US EPA ARCHIVE DOCUMENT

Records Center
Wells G & H
11.9
OTHER: 559188

NUTTER, McCLENNEN & FISH

ONE INTERNATIONAL PLACE
BOSTON, MASSACHUSETTS 02110-2699

(617) 439-2000

TELEX 940790
TELECOPIER (617) 973-9748

HYANNIS
WASHINGTON
SAN FRANCISCO
PALO ALTO
AMSTERDAM

COUNSEL
LONDON
PARIS
TOKYO

SDMS DocID 559188

November 11, 1987
2346-96

HAND DELIVER

Documents enclosed with this copy
MK Ryan

Lisa Gollin Evans, Esq.
Assistant Regional Counsel
Environmental Protection Agency
Region 1
JFK Federal Building, Suite 2203
Boston, MA 02203

Re: Information Requests to Wildwood Conservation Corp. and John J. Riley Company, Inc.

Dear Ms. Evans:

Please find enclosed the interim response of Wildwood Conservation Corporation to the request for information contained in the September 17, 1987 letter of Merrill S. Homan to Wildwood. The documents Wildwood is producing with this response are being forwarded to you by hand this date under separate cover.

To confirm our telephone conversation of November 9, EPA will treat the enclosed response as incomplete until such time as Mr. John J. Riley, Jr. is declared by his physician to be able to review the response to determine its completeness and to make any necessary additions or changes.

As I informed you during our telephone conversation, Mr. Riley presently is expected to be able to perform the necessary review as of Thursday, November 12, 1987. Based upon that expectation, we have agreed that the Wildwood response will be in final form by November 20. I will contact you immediately in the event that there appears to be any problem with this schedule.

With reference to the information request to John J. Riley Company, Inc., we agreed to produce what documents we can by Friday, November 13. Subject again to Mr. Riley recovering as expected, we have agreed that a final response by John J. Riley Company, Inc. will be made on November 20.

I trust that the foregoing accurately states our understanding.

Very truly yours,

Mary K. Ryan

MKR:jap

enclosure

cc: Ms. Barbara Newman, Project Mgr.

0433e

November 9, 1987
2346-47

U.S. Environmental Protection Agency
Barbara Newman, Project Manager
Massachusetts Waste Management Section
Waste Management Division
J.F.K. Federal Building, HRS-1903
Boston, MA 02203

Re: Response of Wildwood Conservation Corp. to Request for Information Pertaining to Wildwood Conservation Corp. Property Located on Salem Street, Woburn, Massachusetts

Dear Ms. Newman:

The following is the response of Wildwood Conservation Corporation ("Wildwood") to the requests for information contained in the September 17, 1987 letter of Merrill S. Hohman, Director, Waste Management Division, to Wildwood. This response is subject to the reservations set forth in a letter of even date to Attorney Lisa Gollin Evans from Attorney Mary

DRAFT

K. Ryan. Wildwood understands that the information requests have been made pursuant to the statutory authority of the Environmental Protection Agency ("EPA") under §3007(a) of the Resource Conservation and Recovery Act of 1976 ("RCRA"), 42 U.S.C. §6927(a), and §104(e)(2) of the Comprehensive Environmental Response, Compensation and Liability Act ("CERCLA"), 42 U.S.C. §9604(e)(2), as amended by the Superfund Amendments and Reauthorization Act of 1986 ("SARA"), P.L. 99-499.

Wildwood objects to the instruction contained in the information request purporting to impose upon Wildwood an obligation of indefinite duration to supplement this response should any information not presently known or available to Wildwood become known or available at any time in the future. Wildwood contests EPA's authority, under the above-referenced statutory provisions, to impose such an undue and continuous burden upon Wildwood. Wildwood will, however, attempt to disclose in this response all relevant, non-privileged information presently available to Wildwood which is responsive to the questions put. Further, should EPA make a specific request for supplementation at any time after receiving this response, Wildwood will endeavor to respond.

DRAFT

Wildwood objects also to the definition of the terms "you" and "Respondent" insofar as it purports to include "contractors" of Wildwood. "Contractors" are, by definition, not agents or employees of Wildwood. Wildwood further objects to the definition of the term "materials" as vague and overbroad. As defined, the term "materials" literally encompasses any tangible substance. Wildwood will interpret the term "materials" as referring to chemical substances, including, but not limited to, all hazardous substances, pollutants and contaminants, hazardous wastes and solid wastes, including those chemical substances specifically listed in the definition of "materials."

Question 1

Identify the person(s) answering these Questions on behalf of Respondent.

Response 1

The questions were answered by John J. Riley, Jr., as President of Wildwood Conservation Corporation, with the assistance of counsel.

Question 2

For each and every Question contained herein, identify all persons consulted in the preparation of the answer.

DRAFT

Response 2

See Response 1.

Question 3

For each and every Question contained herein, identify all documents consulted, examined, or referred to in the preparation of the answer and provide true and accurate copies of all such documents.

Response 3

Wildwood objects to this question as unduly burdensome insofar as it seeks to require Wildwood to "identify" (as that term is defined in paragraph 14 of the Definitions) each and every document consulted, examined, or referred to in the preparation of every response. Wildwood further objects to this question to the extent that it seeks to require the production of documents subject to the work product immunity or the attorney-client privilege. Finally, insofar as this question purports to require production of documents examined in the preparation of responses which do not contain information responsive to the questions put, Wildwood objects to this question as seeking information immune from disclosure as work product.

Wildwood will produce all documents containing information responsive to the questions put except any which may be

DRAFT

withheld on grounds of the work product immunity or attorney-client privilege. Wildwood will organize and label all documents produced to correspond with the numbered questions.

Question 4

List the EPA RCRA Identification Numbers of the Respondent, if any.

Response 4

None.

Question 5

If you have reason to believe that there may be persons able to provide a more detailed or complete response to any Question contained herein or who may be able to provide additional responsive documents, identify such persons and the additional information or documents that they may have.

Response 5

The following persons or companies may have additional information:

(a) Riley Leather Company, 228 Salem Street, Woburn, MA, may have additional information regarding current water usage, but see response to Question 16.

DRAFT

(b) D.L. Maher Company Inc. ("Maher Company"), P.O. Box 127, Concord Street, No. Reading, MA 01864 may have additional information regarding the production well; however, copies of all documents produced by Maher Company at a deposition in Anderson, et al. v. Cryovac, Inc., et al. relating to Production Well No. 1 and Production Well No. 2 are produced;

(c) Beatrice Foods Company ("Beatrice"), 2 North La Salle Street, Chicago, Illinois 60602 may have additional information for the period it owned the property;

(d) Abutter Whitney Barrel Company may have additional information;

(e) Abutter Hemingway Trucking Co. may have additional information;

(f) Richard Warrington, 6 Hilltop Drive, Bedford, MA and Frederick Dufaille, address unknown, may have additional information. Both men visited the Facility in the course of work for the Aberjona River Commission in 1971 and revisited the Facility in March 1986; during the 1971 site visit, no debris, drums or tanks were noted on the property.

(g) Federal or state government officials or contractors may have additional information.

DRAFT

Also see the trial transcripts and exhibits and the deposition transcripts and exhibits from the case of Anderson, et al. v. Cryovac, Inc., et al. (Wildwood assumes that such transcripts and exhibits are available to EPA and therefore will not produce the same.) In connection with those proceedings, many volumes of transcripts and many exhibits were created and/or collected. Wildwood has exerted its best efforts, consistent with the time limitations applicable to this response, to respond fully to these requests but cannot fairly be expected to summarize all the information contained in these voluminous materials. In response to certain questions below, reference is made to these transcripts and exhibits in order to insure that this response is as complete as practicable.

Question 6

Identify all persons, including Respondent's employees, who have knowledge or information about the generation, use, purchase, treatment, storage, disposal or other handling of materials at, or transportation of materials to or from, the Facility.

Response 6

See Response 14 for information which may be responsive to this request. Otherwise, respondent has no knowledge of any persons who have knowledge or information about the generation, use, purchase, treatment, storage, disposal or other handling

DRAFT

of materials at, or transportation of materials to or from the facility with the exception of certain of the witnesses called by the plaintiffs at the trial of Anderson et al. v. Cryovac et al., who purport to have such knowledge. Respondent has no employees.

Question 7

For each and every Question contained herein, if information responsive to this Information Request is not in your possession, custody or control, then identify the persons from whom such information may be obtained.

Response 7

See Response 5.

Question 8

Identify the current owner. State the dates during which the current owner owned, operated or leased any portion of the facility and provide copies of all documents evidencing or relating to such ownership, operation or lease, including, but not limited to, purchase and sale agreements, deeds, leases, etc.

Response 8

Wildwood objects to this question as vague and unduly burdensome insofar as it purports to require production of all documents "relating to" Wildwood's ownership of the Facility.

DRAFT

a. The City of Woburn ("City") owns a portion of the Facility, namely, a 20 foot strip of land, 10 feet on each side of the center line of the City sewer line.

b. The City and the Massachusetts Water Resources Authority ("MWRA"), have easements over a portion of the Facility in connection with sewer lines running through the property.

c. Wildwood owns the Facility, subject to the interests of the City of Woburn and MWRA described above, and further subject to an easement for the use of Production Well No. 2 running to the tannery parcel and flowage rights as set forth in Doc. No. 338765.

Wildwood will produce a copy of the Asset Purchase Agreement pursuant to which it purchased the Facility from Beatrice Foods Co., a copy of the Certificate of Title standing in the name of Wildwood, and other documents it has relevant to the interests described above. A copy of the index to the 1983 closing documents is also submitted; upon request, copies of any additional closing documents will be produced.

Question 9

Identify all prior owners of the Facility. For each prior owner, further identify:

DRAFT

a. The dates of their ownership.

b. Any evidence that hazardous materials were released or threatened to be released at the Facility during the period that they owned the Facility.

Response 9

a. The John J. Riley Company acquired the Facility from the City of Woburn after a tax taking in December 1951. The John J. Riley Company merged with Beatrice Foods Co. in December 1978 as evidenced by the Agreement and Plan of Merger produced herewith. (A copy of the closing index for the 1978 transaction is submitted; upon request, copies of any additional closing documents will be produced.) In January 1983, Beatrice Foods Co. sold the property to Wildwood. At all times of which Wildwood has knowledge, the City of Woburn owned in fee simple a strip of land within the Facility associated with its sewer line.

b. Wildwood has no knowledge of hazardous materials released or threatened to be released at the Facility, but in response to this question, reference is made to the sampling and analysis reports and other information collected by or made available to EPA as part of its study of the Site, and the deposition transcripts and exhibits and the trial transcripts and exhibits from Anderson, et al v. Cryovac, Inc., et al.

DRAFT

Question 10

Describe the physical structures that exist or that existed at the Facility including but not limited to the following:

a. Surface structures (e.g., buildings, tanks, etc.).

b. Groundwater production well(s) and test wells installed for the purpose of groundwater production or for evaluating the Facility for groundwater production wells at the Facility.

c. Underground structures e.g., storm water drainage system, sanitary sewer system, septic tank(s) and subsurface disposal field(s).

d. Underground storage tanks that contain or contained petroleum products, including the age and size of the tank, the type and quantity of petroleum stored, and any leak tests done on the tanks.

e. Any and all additions, removals, demolitions or changes of any kind to physical structures on, under or about the Facility, or to the property itself (e.g., filling regarding or excavation) and state the dates on which such changes occurred.

f. Well production rate or design yield.

Response 10

a. At the time the land was purchased it is believed there were the remains of an old shack and some timbers on the Facility.

In the southwest corner of the property, there is a well house that stands approximately three feet high (Production Well No. 2).

DRAFT

In approximately August or September 1982, a portion of the southern border of the Wildwood property was fenced, which included the dirt road which was blocked by a locked gate. The fence was approximately eighty feet long, six feet high and made of galvanized chain link. The fence was extended around the entire Facility in 1986.

b. Production Well No. 2 is a gravel-packed well approximately 45-50 feet in depth. Test wells were sunk in 1981 to explore the possibility of a new well installation; documents pertinent thereto are provided.

c. The City of Woburn and the Massachusetts Water Resources Authority both have sewer lines with manholes running through the property. There is also a pipe running from the well toward the railroad tracks and then to the tannery.

d. None.

e. Prior to or at the time when the fence was installed in 1982, dirt in the area of the fence near the dirt road was mounded inside the fence.

f. The well production rate is dependent upon production levels of the plant. See Response 16 for further information.

DRAFT

When installed in 1958, Production Well No. 2 was rated at approximately 700 gallons per minute with 13'-8" drawdown or 51 gallons per minute per foot of drawdown.

Question 11

Submit all documentation to support your answers to question 10, including, but not limited to:

a. drilling logs,

b. lithologic and stratigraphic logs,

c. drillers well completion data and construction method.

Response 11

See documents produced herewith. These documents concern both Production Well No. 2 and a second production well not on the Facility (Production Well No. 1, on the main tannery parcel).

Question 12

Describe the acts or omissions of any persons, other than your employees, agents or those persons with whom you had a contractual relationship, that may have caused the release or threat of release of hazardous substances at the Site or at the Facility and the damages relating therefrom and identify such persons. In addition, describe all precautions that you took against foreseeable acts or omissions of any such third parties and the consequences that could foreseeably result from such acts or omissions.

DRAFT

Response 12

Wildwood has no direct knowledge of any events which may have caused the release or threat of release of hazardous substances at the Site or Facility. No employees, agents, or contractors of Wildwood ever caused the release or threat of release of hazardous substances on the Facility. Certain allegations concerning the release or threat of release of hazardous substances at the Site or Facility were made in Anderson, et al. v. Cryovac, Inc. et al. See Response 5, above. In addition, upon information and belief, the sewer lines on the Wildwood property overflowed from time to time, discharging unknown substances onto the property. See also Response 14, concerning Whitney Barrel. Hazardous substances have also been detected on property north of the Facility.

On the date that Wildwood became owner of the Facility, the Site already was listed on the original proposed NPL. The Wildwood land has no public access road, is landlocked on three sides, and the fourth side is wetland or river. A dirt road crosses the property in a north/south orientation. As described above in Response 10.a., in 1982 Mr. Riley erected a fence across a portion of the southern border of the property; this fence included a locked gate across the narrow dirt road. In order to reach the gate, one enters the Aberjona Auto

DRAFT

Company property from Salem Street and follows the dirt road across that property. Except during business hours, the dirt road through the Aberjona property is secured by a gate or blocked by cars; guard dogs were sometimes employed.

The northern end of the property is narrow; much of it is marshy. In the early 1980's, the northern end of the dirt road was closed off with very large blocks of stone.

Since Mr. Riley had been an officer or employee of the former owners since the property was acquired in 1951 (except for a brief period of military service), he knew at the time Wildwood acquired the Facility in 1983 that the prior owners only use of the property was in connection with Production Well No. 2.

Question 13

At the time you acquired the parcels of the Facility, did you know or have reason to know that any material was disposed of on, in, or at the Facility? Describe all investigations of the Facility you undertook prior to acquiring/leasing the Facility and all of the facts on which you base the answer to the preceding question.

Response 13

See Response 12, above. At the time Wildwood acquired the Facility it was aware of the field investigation done by

DRAFT

Ecology and Environment, Inc. for EPA, and was generally aware of other EPA investigations and sampling activity concerning not only the Facility but other portions the Site.

In addition, Wildwood was also aware of reports of chemical analyses of samples taken by tannery employees prior to the time it acquired the Facility. In 1977, water from Production Well No. 2 was tested by the Tanner's Council of America for inorganics only, which reported .009 ppm total chromium, .008 ppm lead, 294.7 ppm chloride, 440 dissolved solids and 135.2 hardness. See documents submitted herewith. — missing

Question 14

Have you every been aware of anyone disposing or storing materials at the Facility? Have you ever been aware of the disposal, storage or removal of materials at the Facility by the John J. Riley Tannery Co. or by the Whitney Barrel Co.? If the answer to any of these questions is yes, please describe:

a. The dates that the disposal or storage occurred;

b. What type of arrangement you had with any of these companies for the use of the Facility;

c. Where the disposal, storage or removal occurred;

d. What was the chemical composition of the material disposed, stored, or removed at the Facility;

e. Who disposed, stored or removed material at the Facility.

DRAFT

Response 14

Wildwood is not aware of the disposal, storage or removal of materials at the Facility by the prior owners. In further response, Wildwood states that in early 1971, Mr. Riley observed a number of tanks, six at most, on the southern end of the Facility near Production Well No. 2. Approximately eighteen months later Mr. Riley observed a few more tanks in the same general area. The tanks looked like underground storage tanks. Mr. Riley believed the tanks belonged to Mr. Whitney; Whitney was asked to remove the tanks and did so. Wildwood has no information as to the contents of the tanks or whether in fact they contained any material at all. The tanks were placed on the property without the consent of prior owners of the property.

Mr. Riley also observed a few drums and pesticide caps on the Facility when he accompanied Ecology and Environment, Inc. on its field investigation of the Facility.

Edwin Kaine, now an employee of Riley Leather, visited the Wildwood property three or four times between the years 1959-1985. On his second visit in approximately 1960, Kaine recalls seeing two or three barrels or parts of barrels just north of the production well. Approximately one year later

DRAFT

Kaine was walking up the access road on the property and saw part of a barrel off the shoulder of the road a few hundred feet from the entrance to the property. During one of his visits Kaine recalls seeing timbers near the area where he saw the barrels on his first visit. Kaine last visited the property in the early 1980's with a lawyer for Beatrice. On that visit he saw a couple of piles of rubble, which appeared to be construction rubble, near the well. He also saw some barrels on the way out with printing or the outside saying fruit juice or pineapple juice. Mr. Kaine had no information as to the contents of any of the barrels he saw in the Facility.

Question 15

Have you ever generated, purchased, stored, treated, disposed, removed or otherwise handled any hazardous materials at the Facility? If the answer to the preceding question is anything but an unqualified "no" identify:

a. In general terms, the nature and quantity of the non-hazardous materials so transported, used, purchased, generated, stored, treated, disposed, removed or otherwise handled.

b. The chemical composition, characteristics, physical state (e.g., solid, liquid) and quantity of each hazardous material so removed, transported, used, purchased, generated, stored, treated, disposed, or otherwise handled.

c. The persons who supplied you with each such hazardous material.

d. How each such hazardous material was used, purchased, generated, stored, treated, transported, disposed, removed or otherwise handled by you.

e. When each such hazardous material was used, purchased, generated, stored, treated, transported, disposed, removed or otherwise handled by you.

DRAFT

f. Specify, with drawings and maps, where each such hazardous material was used, purchased, generated, stored, treated, transported, disposed, removed or otherwise handled by you.

Response 15

No.

Question 16

Explain, and submit all documentation to support, the following information regarding the groundwater production well at the southern end of the Facility.

a. What is the water used for?

b. How often is it currently being used and was used in the past since the well's construction? Specify, hours of the day, days of the week, and weeks of the year. Note if the well was not used for a period of time in the past, and if it is not currently used at specific intervals on a regular basis.

c. What is the rate at which the well is currently being pumped?

d. What were the historical pumping rates beginning with the well's construction up until the present? If pumping rates varied at different periods of time, describe the variances and specify when they occurred and the length of time for which they occurred.

Response 16

a. The water is and was used exclusively as process water in connection with the leather making process at the tannery now operated by Riley Leather Company.

DRAFT

b. Wildwood has no direct information as to current usage, but is informed by Riley Leather that since January 1986, Production Well No. 2 runs continuously from Sunday night to Friday night. In the past Production Well No. 2 was used for as much as eighteen hours a day with principal use during a ten-hour period. It was pumped five, sometimes six, days a week for approximately 50 weeks a year. Production Well No. 2 was not in use when the tannery was not operating, i.e. holidays, vacation or if it broke down. It was not in use for a brief time when the sewage treatment plant was installed at the tannery in approximately 1985.

c-d. Production Well No. 2 is not and has not been pumped at a constant rate during the day. As previously noted, the pumping rate might be as high as 1000 gallons per minute on rare occasions. The well production rate is dependent upon production levels at the tannery. No records are or have been kept of the amount of water pumped from Production Well No. 2, so this response is based on estimates only, including estimates of total water used in the process. From the date of installation in 1958 to 1985, the gallonage per day used in the process is estimated to vary in an approximate range of 250,000 to 400,000 g.p.d. Wildwood is informed that for some portions of the period 1958 to 1985, process water was supplied by both Production Well No. 2 and a second production well not situated at the Facility (Production Well No. 1).

DRAFT

Riley Leather estimates current pumping of Production Well No. 2 at 250,000-350,000 gallons per day.

To the extent the documents submitted provide water volume figures, these numbers may reflect water pumped from both Production Well No. 1 and Production Well No. 2.

Question 17

Identify all liability insurance policies held by Respondent. In identifying such policies, state:

a. The name and address of each insurer and of the insured;

b. The amount of coverage under each policy;

c. The commencement and expiration dates for each policy;

d. Whether or not the policy contains a "pollution exclusion" clause; and

e. Whether or not the policy covers sudden, nonsudden or both types of accidents.

Response 17

None.

Question 18

Provide all financial statements for the past five fiscal years, including, but not limited to, those filed with the federal and State Internal Revenue Service and Securities and Exchange Commission.

DRAFT

Response 18

Wildwood has no financial statements.

Question 19

Identify all of Respondent's current assets and liabilities and the person(s) who currently own or are responsible for such assets and liabilities.

Response 19

Wildwood is a not-for-profit corporation the assets of which consist of real estate constituting a portion of the Site, as identified in the Certificate of Title that accompanies this response, and a bank account having a balance of less than $100.00. Wildwood owes real estate taxes in excess of $17,000.

Question 20

Identify all subsidiaries and parent corporations of Respondent.

Response 20

Wildwood has no subsidiaries and no parent corporation.

Question 21

Provide a copy of the most current Articles of Incorporation and By-Laws of Respondent.

DRAFT

Response 21

A copy of the Articles of Organization and By-Laws of Wildwood accompany this response.

Question 22

Identify the managers and majority shareholders of Respondent and the nature of their management duties or amount of shares held respectively.

Response 22

John J. Riley, Jr., is currently the sole corporate member, officer and director of Wildwood. Wildwood has no shareholders. No persons other than John J. Riley, Jr. "manage" Wildwood.

[3975L]

DRAFT

Asset Purchase Agreement

Effective as of the first day of January, 1983 (the "Effective Date"), Beatrice Foods Co., a Delaware corporation ("Seller"), John J. Riley Company, Inc., a Massachusetts corporation (the "Company"), Wildwood Conservation Corporation, a non-profit Massachusetts corporation ("Wildwood"), and John J. Riley, Jr. and Diana W. Riley (the "Rileys"), in consideration of the mutual covenants, agreements, representations and warranties contained herein, hereby agree as follows:

Article I

Definitions

1.01 As used herein, the following terms shall have the meanings set forth below unless the context otherwise requires:

(a) Division: the John J. Riley Co. Division of Beatrice Foods Co.;

(b) Inventory: all of the Division's inventories of raw materials, work-in-process and finished goods as of December 31, 1982. As of November 30, 1982 the Inventory had a net book value of $441,450.00;

(c) Machinery and Equipment: all of the Division's machinery, equipment, tools, tooling, spare parts and other tangible assets or property used or held for use in connection with the business of the Division as of December 31, 1982 but excluding the Division's Real Property, as hereinafter defined;

(d) Contracts: all of the Division's right, title and interest in, to and under any contract, agreement or commitment which is set forth in the list attached hereto as Exhibit A and made a part hereof and its purchase orders and commitments and sales orders and commitments as of December 31, 1982;

(e) Receivables: all of the Division's accounts receivable, outstanding as of December 31, 1982 as listed in Exhibit B attached hereto and made a part hereof;

(f) Liquid Assets: the cash (including petty cash but excluding central banking cash) and liquid assets of the Division in bank accounts, money market funds or similar demand accounts as of December 31, 1982 as reflected on the books and records of the Division at such date, taking account of transfers to Beatrice between the Effective Date and the Closing Date. The Division's Liquid Assets as of November 30, 1982 are described in Exhibit C attached hereto and made a part hereof

(g) Other Assets: the Division's lists of customers and all of Seller's right, title and interest in and to the name "John J. Riley Company" and the Division's prepaid outside expenses as of December 31, 1982. The Division's prepaid outside expenses as of November 30, 1982 are listed on Exhibit C;

(h) Business Assets: the Inventory, the Machinery and Equipment, the Contracts, the Liquid Assets and the Other Assets;

(i) Real Property: the land, together with the buildings and improvements thereon, described on Exhibit D attached hereto and made a part hereof ("Real Property Parcel I") together with certain appurtenant water rights also described in Exhibit D hereto and the land described on Exhibit E hereto and made a part hereof ("Real Property Parcel II");

(j) Real Property Purchaser: the Pileys with respect to Real Property Parcel I and Wildwood with respect to Real Property Parcel II;

(k) Closing: the actual sale, conveyance, transfer, assignment and delivery of the Business Assets and the Real Property by Seller to, respectively, the Company and the Real Property Purchaser which shall take place at the offices of Nutter, McClennen & Fish,

600 Atlantic Avenue, Boston, Massachusetts 02210 at nine o'clock in the morning on Thursday, January 6, 1983, or on such other date or at such other location as the parties shall mutually agree;

(l) Closing Date: the date of the Closing;

(m) Payables: the accrued expenses and trade and accounts payable of the Division as of December 31, 1982. The accrued expenses and trade and accounts payable of the Division as of November 30, 1982 are listed on Exhibit F attached hereto and made a part hereof;

(n) Base Balance Sheet: the balance sheet of the Division as of November 30, 1982 attached hereto as Exhibit G and made a part hereof;

(o) Closing Balance Sheet: the balance sheet of the Division as of December 31, 1982.

Article II
Assets Being Sold and Purchased

2.01 Upon the terms and subject to the conditions of this Agreement, on the Closing Date, simultaneously with and contingent upon the purchase and sale described in Section 2.02 hereof, Seller shall sell, assign, convey, transfer and deliver to the Company and the Company shall purchase the Business Assets

from Seller for the consideration set forth in Section 3.01 hereof.

2.02 Upon the terms and subject to the conditions of this Agreement, on the Closing Date, simultaneously with and contingent upon the purchase and sale described in Section 2.01 hereof, Seller shall sell to the Real Property Purchaser and the Real Property Purchaser shall purchase from the Seller the Real Property for the consideration set forth in Section 3.02 hereof.

Article III
Consideration

3.01 Upon the terms and subject to the conditions of this Agreement, in consideration of and in exchange for the Business Assets, the Company shall:

(a) pay to Seller, as set forth in Section 3.03 hereof, an amount (the "Business Assets Purchase Price"), equal to:

(i) the net book value (i.e. lower of cost or market on a first-in, first-out basis) of the Inventory as of December 31, 1982; plus

(ii) the net book value of the Machinery and Equipment as of December 31, 1982 plus an additional $35,000 for the Machinery and Equipment;

plus

(iii) The net book value of the prepaid outside expenses plus $1.00 for the Other Assets; plus

(iv) the aggregate amount of the Liquid Assets; minus

(v) the aggregate sum of the Payables assumed by the Company; and

(b) assume, pay, perform and discharge all of the obligations and liabilities of Seller which are assumed by the Company pursuant to Section 3.06(a) hereof.

3.02 Upon the terms and subject to the conditions of this Agreement, in consideration of and in exchange for the Real Property, the Real Property Purchaser shall pay to Seller as set forth in Section 3.05 hereof, an amount (the "Real Property Purchase Price") equal to the sum of (a) the net book value of the land constituting Real Property as reflected on the books of the Division as of December 31, 1982 plus an additional $15,000 and (b) the net book value of the buildings and improvements constituting Real Property as reflected on the books of the Division as of December 31, 1982 plus an additional $50,000. One thousand dollars ($1,000) of the Real

Property Purchase Price is attributable to the Real Property Parcel II.

3.03 At the Closing, the Company shall deliver to Seller (i) a wire transfer of immediately available funds for credit to Seller at a bank account designated by Seller in an amount equal to the Business Assets Purchase Price as estimated based on the Base Balance Sheet and Seller's good faith estimate of changes to the Base Balance Sheet through December 31, 1982 (all as reflected on Exhibit M attached hereto and made a part hereof), less the aggregate amount of the Inventory Note (as hereinafter defined) and (ii) an installment note in substantially the form attached hereto as Exhibit H and made a part hereof in a principal amount equal to the net book value (i.e., lower of cost or market on a first-in, first-out basis) of the Inventory as shown on the Base Balance Sheet (the "Inventory Note").

3.04 The principal amount due under the Inventory Note shall be subject to recalculation and a promissory note in the form of the Inventory Note in a principal amount equal to the Inventory component of the Business Assets Purchase Price as finally determined shall be substituted and exchanged for the Inventory Note as provided in Section 3.08 hereof. The Inventory Note shall be secured by a first lien upon certain stock of Seller owned by John J. Riley, Jr. pursuant to the security agreement attached hereto as Exhibit I (the "Stock Pledge

Agreement").

3.05 At the Closing, the Real Property Purchaser shall deliver to Seller a wire transfer of immediately available funds for credit to Seller at a bank account designated by Seller in an amount equal to the Real Property Purchase Price.

3.06 (a) On the Closing Date the Company shall assume, perform and in due course pay and discharge the debts, obligations and liabilities which have arisen or shall arise (the "Liabilities"):

(i) on behalf of the Division after December 31, 1982 under the Contracts;

(ii) for all expenses of the Division which are incurred, assessed or accrued in the ordinary course of business on or after the Effective Date, including, without limitation, trade accounts payable and income tax, F.I.C.A. and other payroll tax collection and reporting responsibilities under all applicable United States, state and local laws and regulations;

(iii) under any product warranty claim, relating to products of the Division, received on or after the Effective Date;

(iv) for any defective products of the Division which are returned to it, or for which an allowance is requested on or after the Effective Date; and

(v) the Payables.

The Company shall indemnify and hold harmless Seller from any and all loss, cost or expense incurred by Seller arising out of the assertion against it of any of the Liabilities.

(b) The Company shall not assume or pay any debt, obligation or liability of any kind or nature of Seller, except as specifically provided in this Agreement as evidenced by an Assumption Agreement effective as of the Effective Date.

3.07 Seller is not transferring ownership of the Receivables. All of the Receivables will be and remain the property of Seller. By use of normal and usual billing practices, but without being required to bring suit or to refer accounts to collection agencies or attorneys, the Company hereby undertakes to collect the Receivables and will use its best efforts in so doing for and on account of Seller. During the "Collection Period", as hereinafter defined, Seller shall have access during regular business hours to all documentation in the Company's possession relating to the Receivables. Any documentation relating to any particular Receivable shall be

returned to Seller as such Receivable is paid or returned as provided herein. Collections received by the Company from customers common to both the Company and Seller will be applied in a manner consistent with an inter-creditor agreement dated as of the Effective Date by and between the Seller and BayBank Middlesex. The Company agrees to account for and remit to Seller all sums collected with respect to the Receivables within ten (10) business days after the Closing Date and on a weekly basis thereafter until such time as the Company's obligation to collect said sums has terminated. If Seller should receive payment of all or any part of such account directly from the debtor, it will, within two weeks of such receipt, advise the Company in writing of the fact and amount of said payment, and will promptly account for and pay over to the Company any receipts from any customer which, together with amounts accounted for and remitted to Seller hereunder, exceed the amount due to Seller from said customer. Within ten (10) days after the expiration of the Collection Period the Company shall either return to Seller for collection any or all of the Receivables that are uncollected or purchase such Receivables for cash at their face value. As used herein, the "Collection Period" is the period beginning with the Closing Date and ending (a) thirty (30) days after the Closing Date with respect to Receivables that are more than ninety (90) days old as of the Effective Date and (b) sixty (60) days after the Closing Date with respect to Receivables that are less than ninety (90) days old as of the

Effective Date.

3.08 The purchase and sale of the Business Assets shall be effective for accounting purposes as of the close of business on December 31, 1982. All operating expenses of the Division shall be prorated as of that date. Accordingly, notwithstanding anything herein to the contrary, the Company is entitled to the profits of, and other benefits which accrue to, the Division after such date and is responsible for all Liabilities. Promptly after the Closing Date, the Company and Seller shall account to each other and pay any amount owed to the other as a result of profits, benefits and Liabilities attributable to the period between the Effective Date and the Closing Date.

As promptly as practicable after the Closing Date, and, in any event, within thirty (30) days thereafter, Seller shall prepare the Closing Balance Sheet and shall deliver such Closing Balance Sheet to the Company. The Closing Balance Sheet shall be prepared in accordance with Seller's normal internal accounting practices and procedures as historically applied in accounting for the Division. The Company may designate representatives to observe the taking of the Inventory and review the preparation of the Closing Balance Sheet. If either the Company or the Real Property Purchaser (as to the Real Property) disputes Seller's preparation of the Closing Balance Sheet, such party shall submit a statement of its claim in writing to Seller within ten (10) business days after receipt of the

Closing Balance Sheet. If such claim is not settled by the parties within ten (10) days after Seller's receipt of such statement, such claim shall be submitted to arbitration before a single arbitrator in the City of Boston. Any such arbitration shall be governed by the commercial arbitration rules of the American Arbitration Association. The costs of arbitration shall be borne equally by the parties. As soon as practicable after final determination of the Business Assets Purchase Price, and, in any event, within five (5) business days thereafter, (a) the Seller shall return the Inventory Note to the Company and the Company shall execute and deliver to Seller a new promissory note in the same form as the Inventory Note but reflecting the recalculated deferred balance due for the Inventory and (b) to the extent the Business Assets Purchase Price is adjusted based on the Closing Balance Sheet for reasons other than changes with respect to the Inventory, either the Seller or the Company shall promptly pay the other any amount owed as a result of such adjustment. The substitution of the Inventory Note shall not adversely affect the priority of Seller's first lien upon the collateral posted as security for the Inventory Note. In the event a claim is submitted to arbitration and the Inventory Note is paid in full prior to the conclusion of such arbitration, promptly after the conclusion of the arbitration either the Seller or the Company shall pay any amount determined by arbitration to be owed.

3.09 Any and all state and local transfer, stamp, sales or use taxes applicable to, imposed upon or arising out of the transfer to the Company and the Real Property Purchaser of, respectively, the Business Assets and the Real Property shall be borne by Seller.

Article IV
Closing

4.01 (a) The obligations of the Company and the Real Property Purchaser under this Agreement are subject to the condition that as of the Closing Date all representations and warranties made by Seller herein shall be true and correct in all material respects on and as of such date with the same effect as if such representations and warranties had been made on and as of such date, Seller shall have performed and complied with all agreements and covenants on its part required to be performed or complied with on or prior to such date and the Company and the Real Property Purchaser shall have been furnished with a certificate of an officer of Seller, dated the Closing Date, certifying to the fulfillment of the foregoing condition.

(b) The obligations of Seller under this Agreement are subject to the condition that as of the Closing Date all representations and warranties made by the Company and the Real Property Purchaser herein shall

be true and correct in all material respects on and as of such date with the same effect as if such representations and warranties had been made on and as of such date, the Company and the Real Property Purchaser shall have performed and complied with all agreements and covenants on their part required to be performed or complied with on or prior to such date and Seller shall have been furnished with a certificate dated the Closing Date, certifying to the fulfillment of the foregoing condition from the Real Property Purchaser and from the President of the Company.

4.02 At the Closing, Seller shall deliver to the Company and the Real Property Purchaser, as appropriate, the following:

(i) all such bills of sale, deeds, contract assignments and other documents and instruments of sale, assignment, conveyance and transfer to sell, assign, convey and transfer the Business Assets to the Company and the Real Property to the Real Property Purchaser in accordance with the terms of this Agreement;

(ii) the opinion of Winston & Strawn, dated the Closing Date, stating that:

(A) Seller has been duly organized and is validly existing and in good standing under the laws of Delaware.

(B) Seller has the corporate power and authority to enter into and perform this Agreement. The execution, delivery and performance of this Agreement has been duly authorized by all requisite corporate action, and this Agreement has been duly executed and delivered by Seller.

(C) This Agreement is a legal, valid and binding obligation of Seller and is enforceable against Seller in accordance with its terms, except as may be limited by bankruptcy, insolvency or other similar laws affecting the enforcement of creditors' rights in general.

(D) The execution and the delivery of this Agreement and the performance by the Seller of its terms do not conflict with or result in a violation of the Certificate of Incorporation or By-Laws of Seller or of any agreement, instrument, order, writ, judgment or decree known to such counsel to which Seller

is a party or is subject; and

(iii) a Massachusetts release deed or deeds for the Real Property together with a letter of commitment to issue an Owner's title insurance policy dated the Closing Date, on ALTA 1970 Owner's Form B, with extended coverage endorsement guaranteeing over the standard exceptions to title customarily contained in such policies (except as to matters that would require a survey in order to remove the survey exception), and with such other endorsements and provisions as the Real Property Purchaser in its discretion reasonably deems appropriate, covering the Real Property, insuring, as of the Closing Date, the fee simple estate of the Real Property Purchaser in each such parcel of real estate in the amount and subject only to the exceptions set forth in the title insurance policy attached hereto as Exhibit J.

(iv) such other documents as the Company or the Real Property Purchaser or their counsel may reasonably request to carry out the purposes of this Agreement.

4.03 At the Closing, John J. Riley, Jr., the Company or the Real Property Purchaser, as appropriate, shall deliver to Seller the following:

(i) the Inventory Note, the Stock Pledge Agreement, and any related documents required thereby or as otherwise necessary to validly perfect Seller's security interests as therein provided;

(ii) the opinion of Nutter, McClennen & Fish in the form attached hereto as Exhibit L.

(iii) a document evidencing the assumption by the Company of the obligations to be assumed by it under this Agreement.

Article V
Covenants

5.01 Seller, the Company and the Real Property Purchaser shall, on request, on or after the Closing Date, cooperate with one another by furnishing any additional information, executing and delivering any additional documents and/or instruments and doing any and all such other things as may be reasonably required by the parties or their counsel to consummate or otherwise implement the transaction contemplated by this Agreement.

5.02 The Seller shall prepare the Closing Balance Sheet in accordance with Seller's normal internal accounting procedures and practices as consistently maintained and historically applied in accounting for the Division.

5.03 During the period of five(5) years following the Closing Date, the Company shall, upon request, process leather for Braude Bros. Tannery, Moran Leather Co. and Amdur Leather Co. on standard commercial terms provided that the quantities thereof to be processed from time to time shall be reasonably within the Company's capacity to produce. Notwithstanding the foregoing, nothing contained herein shall be deemed to require the Company to stay in business or to process leather if, in the opinion of the Company's Board of Directors, it is not economically advantageous for the Company to do so.

5.04 Seller recognizes and acknowledges that the Closing does not relieve the Seller of any liabilities and obligations relating to its ownership and operation of the Division prior to the Closing except to the extent expressly provided in Section 3.06 hereof. Seller agrees to indemnify and hold harmless the Company and the Real Property Purchaser against any loss, damage or expense with respect to all events occurring or conditions created prior to the Closing Date which relate to the Business Assets or the Real Property unless expressly assumed pursuant to this Agreement.

Following the Closing, Seller shall continue to defend the Woburn pollution litigation described in Exhibit K hereto (the "Woburn Litigation"). The Company and the Real Property Purchaser shall cooperate with Seller in its defense of such litigation, and shall make available to Seller such personnel and records as Seller may reasonably request in connection with such matter. In addition, Seller shall have access to the Real Property for the purpose of inspecting the same and conducting whatever soil or other tests it may reasonably deem necessary in connection with the Woburn Litigation. Seller recognizes and agrees that to the extent it would have any liability with respect to the Woburn Litigation absent a sale of the Business Assets and Real Property, Seller shall continue to be responsible for such liability notwithstanding the Closing. Specifically, Seller shall be responsible for any and all monetary damages, including interest and court costs, awarded against it, the Company, the Real Property Purchaser or any other stockholder, officer or director of the John J. Riley Company prior to its merger into the Seller in such matter, for (except as otherwise provided in the following sentence) any court-ordered remedial action required of it or the Company to change or rectify any environmental condition or situation, and all legal fees and other expenses incurred by it, the Company, the Real Property Purchaser or any other stockholder, officer or director of the John J. Riley Company prior to its merger into the Seller in connection with such defense; except that, if any such monetary

award provides, or if it can be reasonably inferred from the manner in which such monetary damages are calculated, that all or any portion thereof is made in respect of, or if court ordered remedial action relates to, events occurring or conditions created or exacerbated after the Closing Date, the Company shall be responsible for that portion of such award as relates to the events occurring or conditions created or exacerbated by the Company after the Closing Date. If any judgment against Seller or the Company in such matter requires that remedial action be taken with respect to the Company's production process or that any device, system, facility or other improvement be installed or made with respect to the Business Assets, the Company shall, at its expense, be responsible for taking such action or installing or making such improvement. The foregoing allocation of responsibility between Seller and the Company shall also be applicable to any other lawsuit or administrative proceeding to which Seller and/or the Company is a party, or are parties, and which is based upon, related to or arises out of the condition or conditions and matter or matters at issue in the Woburn Litigation.

5.05 Pursuant to this Agreement, the Company is assuming the duty, obligation and liability to perform, pay, satisfy and discharge all duties, liabilities and obligations arising from or in connection with the agreement between Local 22 and the Division. The parties acknowledge that, pursuant to the

aforesaid agreement, Seller contributes to the Leather Worker's Union Retirement Fund ("Multiemployer Plan"), a multiemployer plan as defined in Section 4001(a)(3) of the Employee Retirement Income Security Act of 1974, as amended ("ERISA"). With respect to the Multiemployer Plan:

(a) The Company shall contribute to the Multiemployer Plan after the Effective Date with respect to the operations of the Division for substantially the same number of contribution base units for which Seller has an obligation to contribute to the Multiemployer Plan with respect to the Division, but only to the extent so required by the agreement between Local 22 and the Division.

(b) The Company shall provide to the Multiemployer Plan for a period of five years, commencing with the first plan year beginning after the Effective Date, a bond issued by a corporate surety company that is an acceptable surety for purposes of Section 412 of ERISA, or an amount to be held in escrow by the Multiemployer Plan, in an amount equal to the greater of (i) the average annual contribution required to be made by Seller with respect to the operations of the Division for the three plan years of the Multiemployer Plan preceding the plan year in which the Effective Date occurs or (ii) the annual contribution Seller was

required to make under the Multiemployer Plan with respect to the operations of the Division for the last plan year prior to the plan year in which the Effective Date occurs. The bond or escrow shall provide for payment to the Multiemployer Plan if the Company withdraws from the Multiemployer Plan in a complete or partial withdrawal (as defined in Sections 4203 and 4205 of ERISA) or fails to make a contribution to the Multiemployer Plan, when due, at any time during the first five plan years beginning afer the Effective Date. Seller shall assist in obtaining the aforementioned bond and shall pay any premium due in respect thereof.

(c) If the Company withdraws from the Multiemployer Plan in a complete or partial withdrawal (as defined in Sections 4203 and 4205 of ERISA) with respect to the operations of the Division during the first five plan years beginning after the Effective Date, Seller shall be secondarily liable for any withdrawal liability it would have had to the Multiemployer Plan with respect to the operations of the Division (but for Section 4204 of ERISA) if the liability of the Company with respect to the Multiemployer Plan is not paid.

(d) In the event of the Company's complete or partial withdrawal from the Multiemployer Plan

(i) after the end of the fifth plan year beginning after the Effective Date,

(ii) in connection with the Company's voluntary change of the location of part or all of the business with respect to which the Company contributes to the Multiemployer Plan,

(iii) in connection with any decertification initiated or materially encouraged by the Company or Local 22 or its successor as collective bargaining agent for employees of the Company with respect to whom the Company contributes to the Multiemployer Plan, or

(iv) in connection with coverage of employees of the Company with respect to whom the Company contributes to the Multiemployer Plan under an employee benefit plan established by the Company, if initiated or materially encouraged by the Company,

the Company shall indemnify Seller for any liability which Seller may incur with respect to a complete or partial withdrawal as described in the foregoing clauses (i) - (iv). In the event of the Company's complete or partial withdrawal from the Multiemployer Plan under circumstances that do not entitle Seller to indemnification under the foregoing sentence, Seller shall

indemnify the Company in the amount of (A) any liability which the Company may incur with respect to such complete or partial withdrawal in excess of the liability the Company would have incurred if Section 4024(b) of ERISA did not apply to the Company, or (B) the liability Seller would have had to the Multiemployer Plan with respect to the operations of the Division (but for Section 4204 of ERISA), whichever is less. The amount described in (B) in the foregoing sentence shall be reduced by the amount of any previous indemnity incurred by Seller pursuant to the foregoing sentence. If the Company becomes aware of any facts which could give rise to an indemnification claim against Seller hereunder, the Company agrees to give Seller prompt notice thereof, and Seller may at its sole cost contest any withdrawal liability on behalf of the Company to the extent the Company does not contest such liability. Indemnification pursuant to this Section 5.05 shall not be limited as provided in Sections 10.06 and 10.07 hereof.

Article VI
Representations and Warranties of Seller

Seller hereby represents and warrants to the Company (and, as to the Real Property, to the Real Property Purchaser) as follows:

6.01 Seller is a corporation duly organized, validly existing and in good standing under the laws of Delaware, and is qualified as a foreign corporation to do business in Massachusetts.

000145

6.02 Neither the execution and delivery of this Agreement by Seller nor the consummation of the transaction contemplated hereunder nor the fulfillment by Seller of any of its terms will (a) conflict with or result in a breach by Seller of, or constitute a default by it under, any other terms, conditions or provisions of (i) any indenture, mortgage, lease, deed of trust, pledge, loan or credit agreement or any other contract, arrangement or agreement to which Seller is a party, (ii) its Certificte of Incorporation or By-Laws or (iii) any judgment, order, writ, injunction, decree or demand against Seller of any court or federal, state, municipal or other governmental department, commission, board, bureau, agency or instrumentality, or (b) result in the creation or imposition of any lien, charge or encumbrance or any nature whatsoever upon any of the Business Assets or the Real Property.

6.03 The execution and delivery of this Agreement by Seller and the performance of all acts contemplated to be performed by it hereunder have been duly authorized by all necessary corporate action by Seller. Seller has duly executed and delivered this Agreement and this Agreement constitutes a legal, valid and binding obligation of Seller.

6.04 No consent, approval or authorization of, or filing with, any governmental authority on the part of Seller is required in connection with the execution, delivery and

consummation of this Agreement.

6.05 Seller has good and marketable title to the Business Assets and the Real Property, free and clear of mortgages, pledges, liens, claims, charges, encumbrances or other adverse interest of any kind or nature, except for such imperfections of title and encumbrances, if any, as are not substantial in character, amount or extent and which do not materially detract from the value or materially interfere with the present use of the Business Assets and, except with respect to the Real Property (a) the lien of current taxes not yet due and payable and (b) such imperfections of title, liens and easements as are set forth in the title insurance policy attached hereto as Exhibit J.

6.06 Except as described in the list attached hereto as Exhibit K and made a part hereof, there is no litigation or proceeding before any governmental authority pending or, to Seller's knowledge, threatened against or affecting the business of the Division, the Business Assets or the Real Property.

6.07 Neither Seller nor, to Seller's knowledge, any other person, firm, corporation or entity is in breach of, or default under, any Contract.

6.08 The Base Balance Sheet was prepared in accordance with Seller's normal internal accounting procedures and practices as consistently maintained and historically applied in accounting for the Division.

Article VII
Acknowledgement Of the Business Assets Purchaser

7.01 The Company represents to Seller that it has inspected the Inventory and the Machinery and Equipment and knows the condition thereof and is purchasing the same "AS IS and WHERE LOCATED" as a result of such inspection and not because of or in reliance on any representations made by Seller other than those expressly set forth in this Agreement. The Inventory and the Machinery and Equipment shall be sold without any representations or warranties of any kind or nature, expressed or implied, as to physical condition, value or quality, and Seller specifically disclaims any warranty of merchantability, usage or fitness.

Article VIII
Representations and Warranties Of the Company

The Company represents and warrants to Seller as follows:

8.01 The Company is duly organized, validly existing

and in good standing under the laws of Massachusetts.

8.02 Neither the execution and delivery of this Agreement or the Inventory Note by the Company nor the consummation of the transaction contemplated hereunder or thereunder nor the fulfillment by the Company of any of the terms hereof or thereof will conflict with or result in a breach by the Company of, or constitute a default by it under, any of the terms, conditions or provisions of (a) any indenture, mortgage, lease, deed of trust, pledge, loan or credit agreement or any other contract, arrangement or agreement to which the Company is a party, (b) its Articles of Organization or By-Laws, or (c) any judgment, order, writ, injunction, decree or demand against the Company of any court or federal, state, municipal or other governmental department, commission, board, bureau, agency or instrumentality.

8.03 The execution and delivery of this Agreement and the Inventory Note by the Company and the performance of all acts contemplated to be performed by it hereunder have been duly authorized by all necessary corporate action. The Company has duly executed and delivered this Agreement and it constitutes, and when executed and delivered by the Company the Inventory Note will constitute, a legal, valid and binding obligation of the Company.

8.04 No consent, approval or authorization of, or filing with, any governmental authority on the part of the Company is required in connection with the execution, delivery and consummation of this Agreement.

Article IX
Representations and Warranties of the Real Property Purchaser

9.01 The Rileys hereby represent and warrant to Seller as follows:

(a) Neither the execution and delivery of this Agreement nor the consummation of the transaction contemplated hereunder nor the fulfillment by the Rileys of any of the terms hereof will conflict with or result in a breach by the Rileys of, or constitute a default by it under, any of the terms, conditions or provisions of (i) any indenture, mortgage, lease, deed of trust, pledge, loan or credit agreement or any other contract, arrangement or agreement to which the Rileys are a party, or (ii) any judgment, order, writ, injunction, decree or demand against the Rileys of any court or federal, state, municipal or other governmental department, commission, board, bureau, agency or instrumentality.

(b) The Rileys have duly executed and delivered this Agreement and it constitutes the legal, valid and binding obligation of the Rileys.

(c) No consent, approval or authorization of, or filing with, any governmental authority on the part of the Rileys is required in connection with the execution, delivery and consummation of this Agreement.

9.02 Wildwood hereby represents and warrants to Seller as follows:

(a) Wildwood is duly organized, validly existing and in good standing under the laws of Massachusetts.

(b) Neither the execution and delivery of this Agreement nor the consummation of the transaction contemplated hereunder nor the fulfillment by Wildwood of any of the terms hereof will conflict with or result in a breach by Wildwood of, or constitute a default by it under, any of the terms, conditions or provisions of (i) any indenture, mortgage, lease, deed of trust, pledge, loan or credit agreement or any other contract, arrangement or agreement to which Wildwood is a party, (ii) its Articles of Organization or By-laws, or (iii) any judgment, order, writ, injunction, decree or demand against Wildwood of any court or federal, state, municipal or other governmental department, commission,

board, bureau, agency or instrumentality.

(c) The execution and delivery of this Agreement by Wildwood and the performance of all acts contemplated to be performed by it hereunder have been duly authorized by all necessary corporate action. Wildwood has duly executed and delivered this Agreement and it constitutes the legal, valid and binding obligation of Wildwood.

(d) No consent, approval or authorization of, or filing with, any governmental authority on the part of Wildwood is required in connection with the execution, delivery and consummation of this Agreement.

Article X

Indemnification

10.01 Seller shall indemnify and hold harmless the Real Property Purchaser and the Company against any loss, damage or expense (including reasonable attorneys' fees) suffered by either of them resulting from (i) any breach by Seller of this Agreement, (ii) any inaccuracy in or breach of any of the representations, warranties or covenants made by Seller herein or in any document delivered pursuant hereto, (iii) subject to Section 5.04 hereof, any pending or threatened litigation listed on Exhibit K hereto, or (iv) any liabilities and obligations of Seller relating to Seller's ownership and operation of the Division prior to the Closing, except to the

000152

extent expressly provided in Section 3.06 hereof. With respect to any pending or threatened litigation listed on Exhibit K hereto, the Real Property Purchaser and the Company agree, unless they have reasonable cause to request independent counsel, to be represented by Seller's counsel and further agree to cooperate with Seller and its counsel in the defense of such litigation. Notwithstanding anything contained herein to the contrary, the Company and the Real Property Purchaser acknowledge that the Seller's representations and warranties contained in this Agreement are based primarily on information provided to the Seller by John J. Riley, Jr. and that the Seller shall not be obligated to indemnify the Company or the Real Property Purchaser to the extent that John J. Riley, Jr. had actual knowledge prior to the Closing of any inaccuracy or omission with respect to any of Seller's representations or warranties contained herein giving rise to such claim for indemnity.

10.2 The Company shall indemnify and hold harmless Seller against any loss, damage or expense (including reasonable attorneys' fees) suffered by Seller resulting from (i) any breach by the Company of this Agreement or (ii) any inaccuracy in or breach of any of the representations, warranties or covenants made by the Company herein or in any document delivered pursuant hereto.

10.03 The Real Property Purchaser shall indemnify and hold harmless Seller against any loss, damage or expense (including reasonable attorneys' fees) suffered by Seller

resulting from (i) any breach by the Real Property Purchaser of this Agreement or (ii) any inaccuracy in or breach of any of the representations, warranties or covenants made by the Real Property Purchaser herein or in any document delivered pursuant hereto.

10.04 Upon obtaining knowledge thereof, the indemnified party shall promptly notify the indemnifying party of any claim or demand which it has determined has given or could give rise to a right of indemnification under this Agreement. If such claim or demand relates to a claim asserted by a third party, the indemnifying party shall have a reasonable time to contest any such claim or demand and shall have the right to employ counsel acceptable to the indemnified party and the indemnified party shall cooperate in the defense of any such claim or demand.

10.05 Subject to the indemnifying party's right to defend third party claims as set forth above, the indemnifying party shall reimburse the indemnified party promptly upon demand for any payment made or loss suffered by the indemnified party in respect of any liability, loss, damage or expense to which this Article X relates.

10.06 An indemnified party shall not be entitled to assert any right of indemnification under this Article X for any loss, damage or expense suffered by it after the third (3) anniversary of the Closing, except for pollution litigation

which is based upon, related to or arising out of the condition or conditions and matter or matters at issue in the Woburn Ligitation and except if there shall then be pending any dispute, claim, proceeding or action under this Agreement, the indemnified party shall continue to have the right to be indemnified with respect to such pending dispute, claim, proceeding or action. The pending or threatened litigation described in Exhibit K hereto shall be deemed to be proceedings pending under this Agreement for purposes of this Section 10.06.

10.07 An indemnified party shall not be entitled to indemnification under this Article X until the aggregate losses, damages or expenses suffered by it exceed $50,000 ("Threshold"), whereupon the indemnified party shall be entitled to indemnification hereunder by the indemnifying party for any loss, damage or expense in excess of the Threshold. This Section 10.07 shall not limit Seller's obligation to fully indemnify the Company and the Real Property Purchaser with respect to any pending or threatened litigation listed on Exhibit K hereto and any liability for failure to comply with the so-called Bulk Sales laws of any state.

Article XI
Miscellaneous

11.01 The Company and the Real Property Purchaser and Seller represent and warrant that neither this Agreement nor the sale and purchase of the Business Assets or the Real Property

000155

or any other transaction contemplated by this Agreement was induced or procured through any person, firm, corporation or other entity acting on behalf of, or representing, the Company, the Real Property Purchaser or Seller as broker, finder, investment banker, financial advisor or in any similar capacity.

11.02 Each of the parties hereto will pay their own costs and expenses (including attorneys' fees, accountants' fees and other professional fees and expenses) in connection with the negotiation, preparation, execution and delivery of this Agreement and the consummation of the sale of the Business Assets, the Real Property and the other matters contemplated by this Agreement Seller shall pay the cost of the title insurance delivered pursuant to Section 4.02(a)(iii) hereof.

11.03 This Agreement contains the entire agreement between the parties hereto with respect to the transaction contemplated hereunder, and supersedes all negotiations, representations, warranties, commitments, offers, contracts and writings prior to the date hereof. No waiver and no modification or amendment of any provision of this Agreement shall be effective unless specifically made in writing and duly signed by the party to be bound thereby.

11.04 All notices to third parties and other publicity relating to the transaction contemplated by this Agreement shall be jointly planned, coordinated and agreed to by the Company,

the Real Property Purchaser and the Seller. None of the parties hereto shall act unilaterally in this regard without prior written approval of the others; however, such approval shall not be unreasonably withheld.

11.05 The Company hereby waives compliance by Seller with the provisions of the so-called Bulk Sales Law of any state; provided, however, that Seller shall indemnify the Company and hold it harmless from any claims against it, except for obligations assumed by it hereunder, resulting from Seller's non-compliance with any so-called Bulk Sales Law.

11.06 This Agreement shall be binding upon and inure to the benefit of the respective successors and assigns of the parties hereto.

11.07 The validity, interpretation and effect of this Agreement shall be exclusively governed by, and construed in accordance with, the laws of the State of Massachusetts.

11.08 All notices, requests, demands, and other communications under this Agreement shall be in writing and delivered in person or sent by certified mail, postage prepaid,

and properly addressed as follows:

To Seller:

Beatrice Foods Co.
Two North LaSalle Street
Chicago, Illinois 60602
Attention: Corporate Secretary

To the Company or the Real Property Purch

228 Salem Street
Woburn, Massachusetts 01801
Attention: John J. Riley, Jr.

All notices and other communications required or permitted under this Agreement which are addressed as provided in this Section 11.08 shall, if delivered personally, be effective upon delivery and shall, if delivered by mail, be effective upon deposit in the United States Mail, postage prepaid.

Any party may from time to time change its address for the purpose of notices to that party by a similar notice specifying a new address, but no such notice shall be deemed to have been given until it is actually received by the party sought to be charged with the contents.

11.09 Neither the Company nor Seller shall, unless otherwise consented to in writing by the other party, during the period of 10 years following the date hereof, destroy or otherwise dispose of any of the books or records of the Division acquired hereunder (in the case of the Company) or any of the books or records of the Division retained hereunder (in the

000158

case of Seller) without first offering to surrender such books or records or any portion thereof which such party may intend to destroy or dispose of to the other party. The Company and Seller shall allow the other party's representatives, attorneys, and accountants, at the user's own expense, access to such books or records upon reasonable request and during normal business hours for the purpose of examining and copying.

11.10 This Agreement may be executed in two or more counterparts, each of which shall be deemed an original, but all of which together shall constitute one and the same instrument.

11.11 This Agreement and all of the obligations and provisions contained herein shall inure to the sole and exclusive benefit of and be binding upon the parties hereto, and their respective successors in title and interest, and no others shall have any legal, equitable or other right, remedy or claim under or by reason of this Agreement.

IN WITNESS WHEREOF, the parties hereto have caused this Agreement to be executed on January 6, 1983.

CORPORATE SEAL

BEATRICE FOODS CO.

By: _____
Title Assistant Vice-President

SEAL

_____
John J. Riley, Jr.

SEAL

_____
Diana W. Riley, his wife

CORPORATE SEAL

JOHN J. RILEY COMPANY, INC.

By _____
Its President

CORPORATE SEAL

WILDWOOD CONSERVATION CORPORATION

By _____
Its President

Extract from Chapter 185, Section 46, of the General Laws, as amended.

Every petitioner receiving a certificate of title in pursuance of a decree of registration, and every subsequent purchaser of registered land taking a certificate of title for value and in good faith, shall hold the same free from all encumbrances except those noted on the certificate, and any of the following encumbrances which may be existing:

First, Liens, claims or rights arising or existing under the laws or constitution of the United States or the statutes of this commonwealth which are not by law required to appear of record in the registry of deeds in order to be valid against subsequent purchasers or encumbrances of record.

Second, Taxes, within two years after they have been committed to the collector.

Third, Any highway, town way, or any private way laid out under section twenty-one of chapter eighty-two, if the certificate of title does not state that the boundary of such way has been determined.

Fourth, Any lease for a term not exceeding seven years.

Fifth, Any liability to assessment for betterments or other statutory liability, except for taxes payable to the commonwealth, which attaches to land in the commonwealth as a lien; but if there are easements or other rights appurtenant to a parcel of registered land which for any reason have failed to be registered, such easements or rights shall remain so appurtenant notwithstanding such failure, and shall be held to pass with the land until cut off or extinguished by the registration of the servient estate, or in any other manner.

Sixth, Liens in favor of the United States for unpaid taxes arising or existing under the Internal Revenue Code of 1954 as amended from time to time. As amended St. 1967, c. 242, § 2. and any other federal lien which may be filed in the commonwealth.

CERTIFICATE OF TITLE.

Book 975 *Page* 79

No. 169029

DATE OF REGISTRATION

September 23, 1983

Wildwood Conservation Corporation
Owner

[illegible]
[illegible] & Fusco Otlaga
630 Third St. Suite
Cambridge Mass. 02210

JOHN F. ZAMPARELLI, ESQ.
REGISTER OF DEEDS
ASSISTANT RECORDER
LAND COURT
MIDDLESEX SOUTH REGISTRY DISTRICT
CAMBRIDGE, MASS., 02141

IMPORTANT
See Note on back.

IMPORTANT

★ LAND REGISTRATION OFFICE
SOUTH REGISTRY DISTRICT OF MIDDLESEX COUNTY
(EAST) CAMBRIDGE, MASSACHUSETTS.

NOTE

This certificate must accompany every voluntary instrument relating to this property which is presented for registration at ★ this office.

This certificate should be mailed or delivered to ★ this office upon request when an involuntary instrument affecting this property is registered, so that the same may be noted hereon.

If this certificate is lost, a petition for a new one should be filed at once in the Land Court at Boston.

When a certificate owner dies, a petition for a new certificate after death should be filed in the Land Court at Boston, if the property goes to heirs or devisees.

Owner's Duplicate Certificate

BK.975 PG.79

No. 169029

From Transfer Certificate Nos. 157009 in Registration Book 915, Pages 59
157070 120

Originally Registered December 28, 1978
January 4, 1979 for the South Registry District of

Middlesex County

This is to Certify that

Wildwood Conservation Corporation, a Massachusetts corporation

of Woburn in the County of Middlesex and Commonwealth of Massachusetts

is the owner in fee simple,

of that certain parcel of land situate in Woburn

in the County of Middlesex and said Commonwealth, described as follows:

Westerly by land now or formerly of City of Woburn, five hundred seventy-five and 39/100 feet;
Northerly, one hundred five and 45/100 feet, and
Westerly, four hundred two and 83/100 feet, by land now or formerly of Gerard Realty Co., Inc.;
Northerly by land now or formerly of Massachusetts Rifle Association, about four hundred and fifty feet;
Southeasterly by Aberjona River; and
Southerly by land now or formerly of Mable F. Quinn, about two hundred and seventy feet.

Said parcel is shown as lot 1 on plan hereinafter mentioned, (Plan No. 32181A).

Also another certain parcel of land situate in said Woburn,, described as follows:

Northeasterly by land now or formerly of City of Woburn, ninety-five and 60/100 feet;
Southerly by land now or formerly of Mabel F. Quinn, thirty-seven and 06/100 feet; and
Westerly by land now or formerly of Boston and Maine Corporation, ninety-four and 83/100 feet.

Said parcel is shown as lot 2 on said plan hereinafter mentioned, (Plan No. 32181A).

All of said boundaries, except the water lines, are determined by the Court to be located as shown on a plan, as modified and approved by the Court, filed in the Land Registration Office, a copy of a portion of which is filed in the Registry of Deeds for the South Registry District of Middlesex County in Registration Book 756, Page 36, with Certificate 125186.

So much of said lot 1 as lies within the area marked "20.00 wide M.D.C. Sewer Easement", approximately shown on said plan, is subject to the easement set forth in a Taking made by the Commonwealth of Massachusetts, Metropolitan District Commission, dated July 22, 1959, duly recorded in Book 9434, Page 149.

Said lot 1 is subject to the flow of a natural water course running through the same, shown on said plan as Aberjona River.

Also another certain parcel of land situate in said Woburn, described as follows:

Northwesterly by lands now or formerly of John J. Riley, Co., and of City of Woburn, about three hundred and sixty feet;
Northeasterly by Abajona River;
Southeasterly by lots 1 and 2 as shown on plan hereinafter mentioned, about six hundred and two feet;
Southwesterly, eighty-one and 12/100 feet, and
Southeasterly, two hundred seventy-three and 75/100 feet, by land now or formerly of Hugh A. Quinn et al; and
Westerly by land now or formerly of Boston and Maine Railroad, six hundred sixty-nine and 81/100 feet.

LC—SMR—9

Certificate 169029 cont'd.

Said parcel is shown as lot 3 on said plan, (Plan No. 3507D).

All of said boundaries, except the river line, are determined by the Court to be located as shown on a subdivision plan, as approved by the Court, filed in the Land Registration Office, a copy of which is filed in the Registry of Deeds for the South Registry District of Middlesex County in Registration Book 975, Page 79, with Certificate 169029

The above described land is subject to flowage rights as may legally exist as set forth in Document No. 338765.

The above described land is subject to a Grant of Easement for use of well, electricity &c., Document 633353.

And it is further certified that said land is under the operation and provisions of Chapter 185 of the General Laws and any amendments thereto, and that the title of said

Wildwood Conservation Corporation

to said land is registered under said Chapter subject, however, to any of the encumbrances mentioned in Section forty-six of said Chapter, and any amendments thereto, which may be subsisting and subject also as aforesaid.

Witness WILLIAM I. RANDALL, Esquire, Justice of the Land Court, Department of the Trial Court, at Cambridge in said County of Middlesex

the twenty-third day of September the year nineteen hundred and eighty-three

at 12 o'clock and 5 minutes in the after-noon.

Attest, with the Seal of said Court, John F. Langmaid

Assistant Recorder

Address of owner: c/o John J. Riley, 9 Huntingdon Road, Lynnfield, MA 01940

Land Court Case Nos. 32181 & 3507

ID# 7369a DK# 0187a

648156

DOCUMENT

Memoranda of Encumbrances

No. 169029

345408

KIND: Taking

IN FAVOR OF: Comwlth. of Massachusetts
(Metro. Dist. Commission)

TERMS: Taking of permanent and temporary easements in, through and under part lot 3. Pl. with Doc.

DATE OF INSTR: July 22, 1959

DATE OF REG: Aug. 11, 1959 TIME OF REG: 2:25 PM

SIGNATURE: ..... John J. Zanghetti Asst. Recorder

000168

Form LCS-D-3 316-11-61-451709

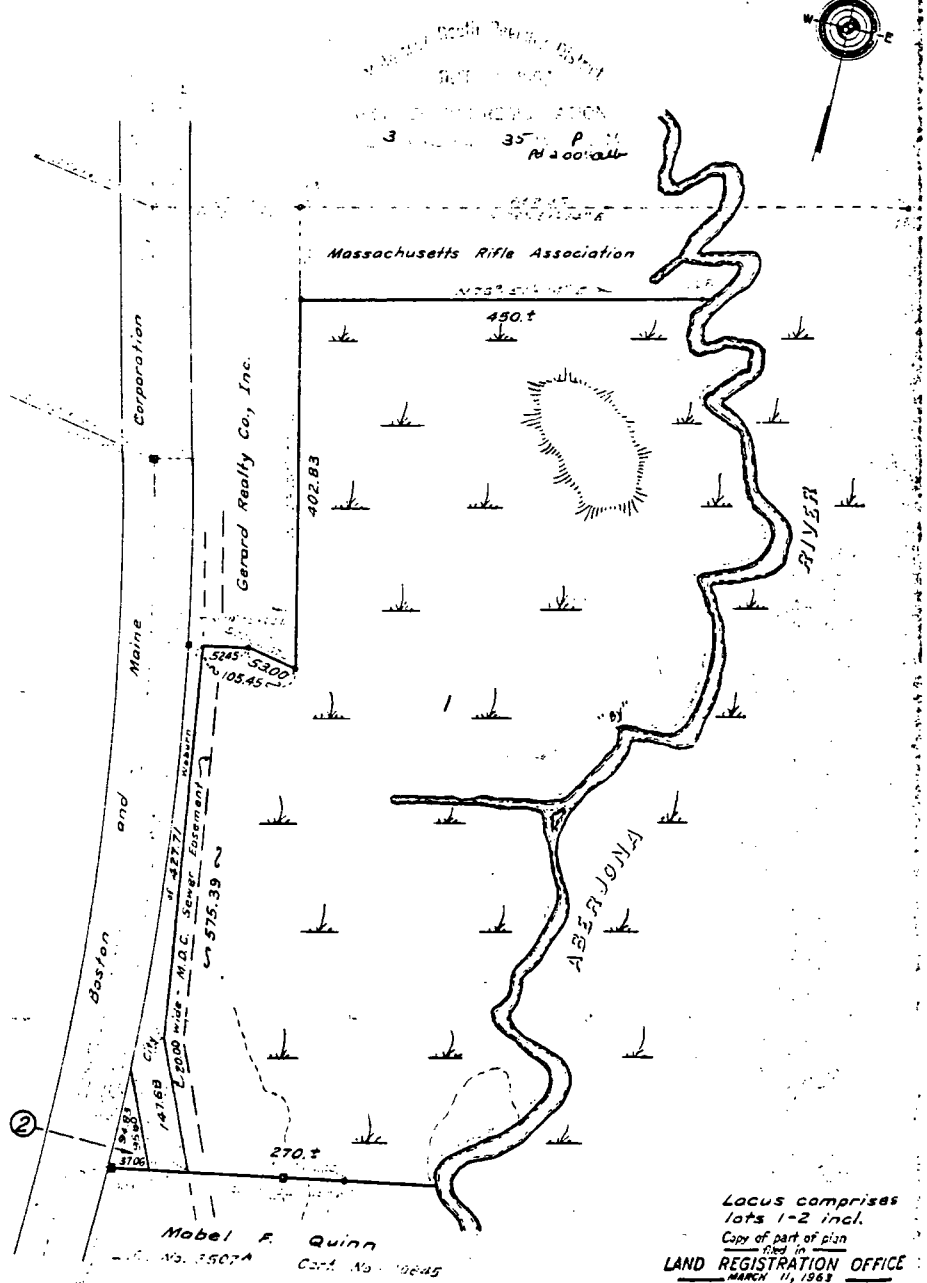
CM 12518 Book 756 Page 36

32181A

PLAN OF LAND IN WOBURN

H. Kingman Abbott, Surveyor

January 3, 1962
November 1966



MEMORANDA OF ENCUMBRANCES ON THE LAND DESCRIBED IN THIS CERTIFICATE

000087

of The City of Woburn, a Municipal Corporation, duly established by law Woburn, Middlesex County, Massachusetts,

xbeingxxxxxxxxxx, for consideration paid, grant to John J. Riley Co., a corporation duly

established by law and having a usual place of business in Woburn, Massachusetts

xxfx

with quitclaim covenants

the land in

PARCEL NUMBER 1: About two (2) acres of land situated in said Woburn being bounded and described as follows: Northerly by other land of Walker Johnson Truck Co; easterly by Aberjona River; southerly by land now or formerly of Anna K. Smith and other land of Walker Johnson Truck Co.; westerly by Boston & Maine Railroad.

For title of the City of Woburn to the above parcel of land see deed of Richard G. McEachern to the City of Woburn said deed being dated October 16, 1923 and recorded with Middlesex South District Registry of Deeds, Book 4668, Page 118. (Land formerly of Walker Johnson Truck Co.)

PARCEL NUMBER 2: About ninety eight thousand twenty eight (98,028) square feet of land situated in said Woburn, being bounded and described as follows: Northerly by land now or formerly of Sarah E. Greenwood; easterly by Aberjona River. southerly by land now or formerly of Lawrence Martin; westerly by land now or formerly of Anna K. Smith and land now or formerly of Lawrence Martin.

For title of the City of Woburn to the above parcel of land see deed of xxxxxxxxx Richard G. McEachern to the City of Woburn said deed being dated October 16, 1923 and recorded with the Middlesex South District Registry of Deeds Book 4668, Page 113. (Land formerly of Walker Johnson Truck Co.)

PARCEL NUMBER 3: About three (3) acres of land situated in said Woburn, being part of Buck Meadow, being bounded and described as follows: Northerly by land now or formerly of Oliver Richardson; easterly by land now or formerly of F. C. Wright; southerly by land late of John Fowle; westerly by Boston & Lowell Railroad.

For title of the City of Woburn to the above parcel of land see deed of Richard G. McEachern to the City of Woburn said deed being dated October 16, 1923 and recorded with Middlesex South District Registry of Deeds Book 4668 Page 109 (land formerly of Walker Johnson Truck Co.)

PARCEL NUMBER 4: About one (1) acre of land situated in said Woburn, being bounded and described as follows: Westerly and Northerly by land of B. & L. R. R.; Easterly by land now or formerly Converse; Southerly by land now or formerly Richardson.

For title of the City of Woburn to the above parcel of land see deed of Michael J. Curran, City Treasurer to the City of Woburn, (land of low value formerly of Melissa Mason) said deed being dated May 11, 1945 and recorded with Middlesex South District Registry of Deeds Book 6859 Page 50.

Excepting however, from each of the above parcels a strip of land twenty (20) feet wide through whidh the City of Woburn sewdr pipes are laid, said strip of land beir ten (10) feet on each side of the center line of said sewer.

For power of Francis H. Murray Jr., Mayor of the City of Woburn to convey the said premises see Revised Ordinances of 1934.

The cbnsideration for this deed is $600.00

US EPA ARCHIVE DOCUMENT

Stamp - Sur (1-2-3-4

1951 Statute Form of

Quitclaim Deed

CITY OF WOBURN
TO

MAIL TO
JOHN J. RILEY CO
Salem St
Woburn, Mass

MIDDLESEX SOUTH DISTRICT DEEDS
SO. DIST.
DEC 4 1951
12 H41 M
RECORDED
$5.00

Cambridge, Dec. 4, 1951

at 12 o'clock and 41 minutes p. m.

Received and Entered with

Middlesex So. Dist. Deeds

Book 7836 Page 234

Attest: Albert F. Gottheim
Register

FROM THE OFFICE OF

SAMUEL NARCUS
BOSTON, MASS.
FORM 20

Parcel #7
See Lease file

000120

SDMS TEMPORARY PLACEHOLDER
US EPA NEW ENGLAND
SUPERFUND DOCUMENT MANAGEMENT SYSTEM

THIS PAGE SERVES AS A TEMPORARY IMAGE IN THIS DOCUMENT.

THE PERMANENT PAGE WILL BE INSERTED BY THE PDF TEAM.

For Further Information Regarding this Document, Please Contact the EPA New England Office of Site Remediation and Restoration Records and Information Center (OSRR RIC)
617-918-1440

AGREEMENT AND PLAN OF MERGER

AGREEMENT AND PLAN OF MERGER (hereinafter called "this Agreement") dated as of December 19, 1978, between BEATRICE FOODS CO., a Delaware corporation (hereinafter called "Beatrice" and sometimes called the "Surviving Corporation"), and JOHN J. RILEY COMPANY, a Massachusetts corporation (hereinafter sometimes called the "Company") and Beatrice and the Company being sometimes hereinafter collectively called "Constituent Corporations";

WHEREAS, Beatrice was incorporated in the State of Delaware pursuant to the General Corporation Law on November 20, 1924, and its registered office in the State of Delaware is located at No. 306 South Street, Dover, Delaware; and

WHEREAS, Beatrice is licensed to transact business as a foreign corporation in the Commonwealth of Massachusetts; and

WHEREAS, Beatrice has an authorized capital stock consisting of 220,000,000 shares of which 200,000,000 shares are common stock, without par value, (hereinafter sometimes called "Beatrice Common Stock"), and 20,000,000 shares are preference stock, without par value (hereinafter sometimes called "Beatrice

Preference Stock"), of which 90,988,474 shares of Beatrice Common Stock, 7,854 shares of Beatrice Preference Stock designated $2.70 Convertible Preference Stock, 56,006 shares of Beatrice Preference Stock designated $4.00 Convertible Preference Stock, Second Series, and 55,971 shares of Beatrice Preference Stock designated $4.50 Convertible Preference Stock. Second Series were issued and outstanding (excluding 48,244 shares of Beatrice Common Stock which were held in its treasury) as of February 28, 1978; and

WHEREAS, the Company was incorporated in the Commonwealth of Massachusetts on August 11, 1915 and is subject to the Business Corporation Law of Massachusetts; and

WHEREAS, the Company has authorized 100,000 shares, with $.50 par value per share, (hereinafter called the "Company's Common Shares"), of which 21,400 shares were issued and outstanding and 28,600 shares were held in its treasury as of February 28, 1978; and

WHEREAS, the Boards of Directors of Beatrice and the Company deem it advisable for the general welfare and advantage of each corporation and their respective stockholders that the Company merge (hereinafter sometimes called the "Merger") with and into Beatrice pursuant to this Agreement, and Beatrice and the Company respectively desire to so merge pursuant to this

Agreement and pursuant to the applicable provisions of the laws of the State of Delaware and the Commonwealth of Massachusetts.

NOW, THEREFORE, in consideration of the premises and the mutual provisions, agreements, covenants, conditions and grants herein contained, and in accordance with the provisions of the Delaware General Corporation Law and the Business Corporation Law of Massachusetts, the parties hereto mutually covenant and agree as follows:

ARTICLE I

Plan of Merger

1.01. On the Effective Date of the Merger (as defined in paragraph 4.01 hereof), the Company shall be merged with and into Beatrice which shall be the Surviving Corporation. The corporate existence of Beatrice with all its purposes, powers and objects shall continue unaffected and unimpaired by the Merger; and as the Surviving Corporation Beatrice shall be governed by the laws of the State of Delaware and succeed to all rights, assets, liabilities and obligations of the Company as set forth in the Delaware General Corporation Law and the Business Corporation Law of Massachusetts. The separate existence and corporate organization of the Company shall cease upon the Effective Date of the Merger and thereafter Beatrice shall continue as the Surviving Corporation under the laws of the State of Delaware.

1.02. If at any time after the Effective Date of the Merger the Surviving Corporation shall consider or be advised that any further assignments or assurances in law or any other things are necessary or desirable to vest, perfect or confirm, of record or otherwise, in the Surviving Corporation, the title to any property or right of the Company acquired or to be acquired by reason of or as a result of the Merger, the directors and officers of the Company shall and will in the name of the Company or otherwise, execute and deliver all such proper deeds, assignments and assurances in law and do all things necessary and proper to vest, perfect or confirm title to such property and rights in the Surviving Corporation and otherwise to carry out the purpose of this Agreement, and the proper directors and officers of the Surviving Corporation are fully authorized in the name of the Company or otherwise to take any and all such action.

1.03. The Surviving Corporation hereby agrees that it may be sued in the Commonwealth of Massachusetts in any proceeding for the enforcement of any prior obligation of the Company and in any proceeding for the enforcement of any obligation hereafter incurred by the Surviving Corporation, including the obligation created by Chapter 156 B, Section 85, of the Business Corporation Law of Massachusetts, so long as any liability remains outstanding against the Surviving Corporation in the Commonwealth of Massachusetts; and the Surviving Corporation hereby irrevocably a[illegible] [illegible]ecretary of the Commonwealth

of Massachusetts as its agent to accept service of process in any action for the enforcement of any such obligation, including taxes.

ARTICLE II

Certificate of Incorporation

By-Laws; Board of Directors; Officers

2.01. The Certificate of Incorporation of Beatrice as in effect on the Effective Date of the Merger shall be the Certificate of Incorporation of the Surviving Corporation, until amended as provided by law.

2.02. The By-Laws of Beatrice as in effect on the Effective Date of the Merger shall be the By-Laws of the Surviving Corporation, until altered, amended or repealed in accordance with law, the Certificate of Incorporation of the Surviving Corporation or said By-Laws.

2.03. The directors and officers of Beatrice on the Effective Date of the Merger shall be the directors and officers of the Surviving Corporation, until their successors shall have been elected and shall qualify or as otherwise provided by law, the Certificate of Incorporation of the Surviving Corporation or the By-Laws of the Surviving Corporation.

2.04. If on the Effective Date of the Merger a vacancy shall exist in the Board of Directors or in any of the offices

of the Surviving Corporation, such vacancy may thereafter be filled in the manner provided by law, the Certificate of Incorporation of the Surviving Corporation or the By-Laws of the Surviving Corporation.

ARTICLE III

Conversion of Shares

The manner of converting the shares of each of the Constituent Corporations into shares or securities of the Surviving Corporation or other consideration to be delivered in exchange for the Company's Common Shares shall be as follows:

3.01. On the Effective Date of the Merger:

(a) All shares of Beatrice Common Stock and Beatrice Preference Stock then issued (including shares held in the treasury of Beatrice) shall continue to be issued shares, and thereafter each certificate of Beatrice evidencing ownership of any such shares shall continue to evidence ownership of the same number of shares of Beatrice Common Stock or Beatrice Preference Stock.

(b) Subject to the provisions of paragraphs 3.01(d) and 3.02 hereof, each of the Company's Common Shares then issued and outstanding shall be changed and converted into 4.6729 shares

of the Beatrice Common Stock (100,000 shares of Beatrice Common Stock in the aggregate).

(c) Each of the Company's Common Shares then issued and held by the Company in its treasury shall be cancelled.

(d) Beatrice shall not be required to issue and no certificate shall be issued for a fraction of a share of Beatrice Common Stock in respect of fractional interests, nor shall any cash payment be made in lieu of any fractional interest, but fractional interests shall be rounded as provided in paragraph 3.02 hereof.

3.02. On and after the Effective Date of the Merger each holder of the Company's Common Shares outstanding on the Effective Date of the Merger, upon presentation and surrender of a certificate or certificates therefor to the Surviving Corporation, or its designated agent, shall be entitled to receive in exchange therefor a certificate or certificates representing the number of whole shares of Beatrice Common Stock (rounded to the nearest whole share) into which the aggregate number of the Company's Common Shares represented by the certificate or certificates so surrendered shall have been changed and converted as aforesaid. Until so surrendered, each outstanding certificate which, prior to the Effective Date of the Merger, represented the Company's Common [illegible] deemed for all purposes

(except as hereinafter provided with respect to the time of payment of dividends) to evidence ownership of the number of whole shares of Beatrice Common Stock into which such of the Company's Common Shares shall have been so changed and converted. Unless and until such outstanding certificates theretofore representing the Company's Common Shares are so surrendered, no dividends payable to the holders of record of Beatrice Common Stock shall be paid to the holders of such outstanding certificates representing the Company's Common Shares, provided; however, that upon surrender and exchange of such outstanding certificates there shall be paid to the record holders of the certificates representing Beatrice Common Stock issued in exchange for such outstanding certificates, the amount, without interest thereon, of dividends and other distributions, if any, which theretofore has become payable with respect to the shares of Beatrice Common Stock represented by such certificates.

ARTICLE IV

General

4.01. This Agreement shall be filed and recorded in the State of Delaware and Articles of Merger which set forth this Agreement in full shall be filed in the Commonwealth of Massachusetts in accordance with the applicable filing and recording requirements of the Delaware General Corporation Law and the applicable [illegible] of the Business Corpo-

ration Law of Massachusetts on such date as may be agreed upon by the Constituent Corporations. The Merger shall become effective upon the latter to occur of such filings with the Secretaries of State of Delaware and Massachusetts. The date upon which the Merger shall become effective is referred to herein as the "Effective Date of Merger".

4.02. This Agreement and the transactions contemplated herein may be terminated at any time prior to the Effective Date of the Merger by mutual consent of the Boards of Directors of Beatrice and the Company.

4.03. This Agreement may be executed in any number of counterparts or may be, where the same is not required, certified or otherwise delivered without the testimonium clause and signatures. Each counterpart hereof shall be deemed to be an original instrument; but all such counterparts together shall constitute but one agreement.

IN WITNESS WHEREOF, this Agreement has been executed as of the date and year first above written by either the Chairman of the Board, the Deputy Chairman of the Board, the Vice Chairman of the Board, the President or a Vice President, and the Treasurer or an Assistant Treasurer, and the Secretary or Clerk or an Assistant Secretary or Assistant Clerk of each corporate party hereto as directed by the Boards of Directors of each corporate party hereto.

BEATRICE FOODS CO.

(CORPORATE SEAL)

Attest:

Secretary

By
VICE PRESIDENT

By
ASST. Treasurer

JOHN J. RILEY COMPANY

(CORPORATE SEAL)

Attest:

Clerk

By
President

By
Treasurer

I, the undersigned, CHARLES HARRISON, hereby do certify under the seal of the corporation that I am the Asst. Secretary of BEATRICE FOODS CO., a corporation organized and existing under the laws of the State of Delaware (the "Surviving Corporation"); that the Agreement and Plan of Merger to which this certificate is attached was duly adopted pursuant to Section 252 of the General Corporation Law of the State of Delaware without any vote of its stockholders (as permitted by Section 252(c) and 251(f) of the General Corporation Law of the State of Delaware), and that the Agreement and Plan of Merger does not amend in any respect the Certificate of Incorporation of the Surviving Corporation; that each share of stock of the Surviving Corporation outstanding immediately prior to the Merger becoming effective shall remain outstanding immediately after the Merger as an identical share of the Surviving Corporation, and the authorized unissued shares or the treasury shares of Common Stock of the Surviving Corporation to be issued or delivered under the Agreement and Plan of Merger do not exceed 20% of the shares of Common Stock of the Surviving Corporation outstanding as of the date of the Certificate and no shares, securities or obligations convertible into Common Stock of the Surviving Corporation are to be issued or delivered under the Agreement and Plan of Merger; and that the Agreement and Plan of Merger was adopted by action of the Board of Directors of said BEATRICE FOODS CO., and is the duly adopted agreement and act of the said corporation.

IN WITNESS WHEREOF, I have executed this certificate on this 19th day of December, 1978.

Charles E. Harrison

CHARLES HARRISON
Asst. Secretary

(CORPORATE SEAL)

THE ABOVE AGREEMENT AND PLAN OF MERGER having been executed on behalf of each corporate party thereto, and having been adopted separately by each corporate party thereto, in accordance with the provisions of the General Corporation Law of the State of Delaware and the Business Corporation Law of Massachusetts, the Chairman of the Board, the Deputy Chairman of the Board, the Vice Chairman of the Board, the President or a Vice President of each corporate party thereto does now hereby execute the said Agreement and Plan of Merger and the Secretary, Clerk or Assistant Secretary or Assistant Clerk of each corporate party thereto does now hereby attest the said Agreement and Plan of Merger under the corporate seals of their respective corporations, by authority of the directors of BEATRICE FOODS CO. and the directors and stockholders of JOHN J. RILEY COMPANY, as the respective act, deed and agreement of each of said corporations, on this 19th day of December, 1978.

BEATRICE FOODS CO.

(CORPORATE SEAL)

By _____
Its VICE PRESIDENT

Attest:

_____
ASST. Secretary

JOHN J. RILEY COMPANY

(CORPORATE SEAL)

By _____
President

Attest:

_____
Clerk

Secretary of the Commonwealth
One Ashburton Place
Boston, MA 02108

Dear Sir:

I, John J. Riley, Jr., President and Treasurer of John J. Riley Company (the "Company"), certify that as of the date hereof:

(1) The Company is authorized to issue 100,000 shares of Common Stock with a par value of $.50;

(2) The Company has 21,400 shares of Common Stock issued and outstanding; and

(3) The Company has 28,600 shares held in its treasury.

Signed under the pains and penalties of perjury this 19th day of December, 1978.

John J. Riley, Jr.

CERTIFICATE AS TO STATUTORY COMPLIANCE

Include an appropriate certificate as to statutory compliance for each constituent corporation.

A. FOR MASSACHUSETTS CORPORATIONS

The undersigned President* ~~Vice President~~* and Clerk* ~~Assistant Clerk~~* of

JOHN J. RILEY COMPANY **a corporation organized**

under the laws of Massachusetts further state under the penalties of perjury that the agreement of ~~consolidation~~* merger* a copy of which is set out under Paragraph 1 has been duly executed on behalf of such corporation and duly approved in the manner required by General Laws, Chapter 156B, Section 78, and in compliance with all pertinent requirements of the articles of organization of such corporation ~~at a meeting of stockholders of such corporation~~ by written consent of stockholders of such corporation dated December 11, 1978.

JOHN J. RILEY, JR. **President* ~~Vice President~~***

EDWARD FOLEY, JR. **Clerk* ~~Assistant Clerk~~***

of JOHN J. RILEY COMPANY

(name of corporation)

B. FOR CORPORATIONS ORGANIZED OTHER THAN IN MASSACHUSETTS

The undersigned VICE PRESIDENT **** and** ASSISTANT SECRETARY *******

of BEATRICE FOODS CO.

a corporation organized under the laws of the State of Delaware

further state under the penalties of perjury that the agreement of ~~consolidation~~* merger* a copy of which is set out under Paragraph 1, has been duly executed on behalf of such corporation and duly approved in the manner required by the laws of the State of Delaware **and in compliance with all pertinent requirements of the articles of organization (or other corresponding instrument) of such corporation, on** December 6, 1977

** RICHARD TRUELICK
VICE PRESIDENT

ASSISTANT SECRETARY
CHARLES E. HARRISON

of BEATRICE FOODS CO.

(name of corporation)

*Delete the inapplicable word.

**Specify the officer having powers and duties corresponding to those of the President or Vice President of a Massachusetts corporation organized under General Laws, Chapter 156B.

***Specify the officer having powers and duties corresponding to the Clerk or Assistant Clerk of such a Massachusetts corporation.

BK-13626 PG-510

2677, 3

RECEIVED

DEC 28 1978

CORPORATION DIVISION
SECRETARY'S OFFICE

THE COMMONWEALTH OF MASSACHUSETTS

ARTICLES OF CONSOLIDATION/MERGER
(General Laws, Chapter 156B, Section 79)

I hereby approve the within articles of consolidation/merger and, the filing fee in the amount of $ 700.00 having been paid, said articles are deemed to have been filed with me this 28th day of Dec, 19 78.

Effective Date

X Paul Guzzi

A TRUE COPY ATTEST
Paul Guzzi
PAUL GUZZI
SECRETARY OF THE COMMONWEALTH
DATE 1/2/79 CLERK RD
(THIS CERTIFICATION STAMP REPLACES OUR PREVIOUS CERTIFICATION SYSTEM.)

Secretary of the Commonwealth
One Ashburton Place
Boston, Mass.

TO BE FILLED IN BY CORPORATION
Photo Copy of Articles of Merger To Be Sent

To: C T Corporation System
10 Post Office Square
Boston, Massachusetts 02109

Copy Mailed JAN 3 1979

000185

MERGER OF
JOHN J. RILEY COMPANY ("COMPANY")
WITH AND INTO
BEATRICE FOODS CO. ("BEATRICE")

CLOSING DATE: December 28, 1978

CLOSING INDEX

Document	Tab No.
Letter of Intent dated April 13, 1977 and February 21, 1978 to John J. Riley, Jr. from Beatrice.	1
Agreement and Plan of Reorganization (hereinafter referred to as the "Agreement") dated August 24, 1978, by and among Beatrice, the Company and the stockholders of the Company (hereinafter the "Stockholders").	2
Amendment to Agreement dated December 28, 1978 between Beatrice, the Company and John J. Riley, Jr. providing for indemnity of John J. Riley, Jr. relating to losses suffered by Beatrice respecting the Company's real estate	3
Amendment to Agreement dated December 28, 1978 between Beatrice, the Company and John J. Riley, Jr. to change date of Closing	4
Agreement and Plan of Merger dated December 19, 1978 between Beatrice and the Company	5
Employment Agreement dated August 24, 1978 between Beatrice and John J. Riley, Jr.	6
The Financial Statements (as that term is defined in Section 7.1(a) of Article VII of the Agreement) signed for identification purposes by the President and Chief Financial Officer of the Company.	7
Disclosure Schedule dated August 24, 1978, delivered by the Company and the Stockholders to Beatrice pursuant to Section 7.1(b) of Article VII of the Agreement (hereinafter the "Letter"), signed on behalf of the Company by its President and signed by the Indemnifying Stockholder (as that term is defined in the Agreement), accompanied or preceded by a copy of each contract, agreement, arrangement, commitment, plan, understanding or other document or instrument referred to therein	8
A copy of the Articles of Organization of the Company, certified by the State Secretary of Massachusetts	9

Document	Tab No.
A copy of the By-laws of the Company, certified by the Clerk of the Company.	10
Resolutions, certified by the Clerk of the Company, adopted by the Board of Directors of the Company approving and adopting the merger of the Company with and into Beatrice (hereinafter the "Merger") and authorizing the execution and delivery of the Agreement by the Company; and resolutions, certified by the Clerk of the Company, adopted by the Stockholders of the Company approving the Merger.	11
Plan entitled "Plan of Land Belonging to John J. Riley Company, dated October 27, 1977, and prepared by Hayes Engineering, Inc.	12
Resolutions, certified by the Secretary, adopted by the Board of Directors of Beatrice on December 6, 1977.	13
Letter from Securities Examiner, Insurance Department, Securities Division, confirming exemption of the issuance or delivery of shares of Beatrice Common Stock provided to be issued or delivered by Beatrice under Article III of the Agreement and Plan of Merger.	14
Listing Application to New York Stock Exchange, Inc., requesting authorization of the listing on the New York Stock Exchange, upon official notice of issuance, of 100,000 shares of Beatrice Common Stock.	15
Application for Listing to Midwest Stock Exchange, Incorporated, requesting authorization of the listing on the Midwest Stock Exchange, upon official notice of issuance, of 100,000 shares of Beatrice Common Stock.	16
Instruments delivered to Continental Illinois National Bank and Trust Company of Chicago evidencing their authorization to act as transfer agent and registrar of 100,000 additional shares of Beatrice Common Stock which are issuable and deliverable pursuant to the Agreement and Plan of Merger	17
Rulings from the Internal Revenue Service referred to in Paragraph 3.2(b) of the Agreement received by the Company.	18
With respect to each bank account of the Company, bank signature cards executed by authorized officers of the Company who will sign checks after the Closing and forms of bank resolutions for each account.	19
A certificate dated the Closing Date and signed by the President and Chief Financial Officer of the Company and by the Indemnifying Stockholder to the effect that the conditions set forth in Section 11.1, 11.2 and 11.3 of Article XI of the Agreement have been satisfied.	20

Document	Tab No.
Opinion of Nutter, McClennen & Fish dated the Closing Date in accordance with Section 11.9(d) of Article XI of the Agreement.	21
Owner's title insurance policy dated the Closing Date, on ALTA 1970 Owner's Form B with extended coverage endorsement pursuant to Section 11.9(a) of Article XI of the Agreement insuring, as of the Closing Date, the fee simple estate of Beatrice in the real estate owned by the Company prior to the Closing Date.	22
Certified copies of deeds recorded with the Registry of Deeds respecting the Company real estate acquired by Beatrice in the merger.	23
Certificates representing the shares of the Company held by the Stockholders.	24
Certificate of Good Standing dated the Closing Date for the Company from the Commonwealth of Massachusetts	25

Certificate of Clerk of the Company dated as of the Closing Date setting forth the following:

(i) Authorized, issued and outstanding and treasury shares of the Company as of the close of business on December, 1977;

(ii) The names of each of the holders of record of the shares of capital stock of the Company as of the close of business on the record date for the vote on the Merger, and on the Effective Date of the Merger;

(iii) The fact that such persons were the only persons entitled as stockholders to vote upon or consent to the authorization and approval of the Merger;

(iv) That the special meetings of the stockholders and directors of the Company were duly and validly called, noticed and held and that a quorum of votes or persons, respectively, were in attendance at such meetings, all in accordance with the Massachusetts statues and the by-laws and articles of the Company;

(v) The number of Company shares voting for the Merger;

(vi) The absence of any change on the Closing Date in the resolutions described in clauses E and F of Paragraph I(4) hereof;

(vii) The number of Company shares issued and outstanding as of the close of business on the Effective Date of the Merger (as defined in the Agreement);

Document	Tab No.
(viii) The address and social security or taxpayer identification number of each such holder of record as it appears on the books of the Company; and	
(ix) The certificate numbers of, and the number of shares represented by, the Company stock certificates held by each such holder of record.	26
Certificate of Clerk of the Company dated as of the Closing Date and regarding the absence of Amendments to the Articles of Association and By-laws of the Company from date of copies certified by the State Secretary and Clerk, respectively, and heretofore delivered to Beatrice.	27
Certificate of Clerk of the Company as of the Closing Date and regarding the incumbency of officers of the Company and their respective specimen signatures	28
Confirmation dated the Closing Date from the State Secretary of Massachusetts concerning the absence of any amendments to the Articles of the Company	29
Escrow Agreement (Exhibit B to the Agreement) executed by each of Beatrice, Continental Illinois National Bank and Trust Company of Chicago and the Indemnifying Stockholder, and a certificate representing 10,000 shares of Beatrice Common Stock with stock powers endorsed in blank by the Indemnifying Stockholder with signature guaranteed pursuant to Section 3.5(c) of Article III of the Agreement, together with other documentation	30
Receipt of Stockholders for Beatrice Common Stock received by each of them on the Closing Date.	31
Instruments from Shareholders not in attendance at Closing authorizing Beatrice to deliver the Beatrice Common Stock which they are entitled to receive to John J. Riley, Jr.	32
Executed Vehicle Registrations.	33
A consent executed by John J. Riley, Jr. to use of the name John J. Riley as an assumed name for a Beatrice division.	34
Endorsements of all insurance policies of the Company from the appropriate insurance company showing Beatrice Foods Co. as an additional name insured thereunder.	35
Certificate executed by the Chairman of the Board, the President or any Vice President of Beatrice in accordance with Section 12.3(b) of Article XII of the Agreement	36

009189

Document | Tab No.

Opinion of Winston & Strawn in accordance with Section 12.3(a) of Article XII of the Agreement. 37

Telegram from the Securities and Exchange Commission dated the Closing Date to the effect that no stop order was issued nor were proceedings instituted or pending to suspend the effectiveness of the registration statements which relate to the Prospectus. 38

15

Deed

Beatrice Foods Co., a Delaware Corporation having its usual place of business at 2 North LaSalle Street, Chicago, Cook County, Illinois, for consideration paid and in full consideration of one thousand no/100 dollars ($1,000.00) hereby remises, releases and quitclaims, without quitclaim covenants, to Wildwood Conservation Corporation, a Massachusetts corporation, the three parcels of registered land and all buildings, structures, improvements, and fixtures, thereon, situate in Woburn, Middlesex County, Massachusetts, together with any and all rights, rights of way, easements, privileges and appurtenances thereunto belonging or appertaining, each such parcel being bounded and described as follows:

Westerly by land now or formerly of City of Woburn, five hundred seventy-five and 39/100 feet;

Northerly, one hundred five and 45/100 feet, and

Westerly, four hundred two and 83/100 feet, by land now or formerly of Gerard Realty Co., Inc.

Northerly by land now or formerly of Massachusetts Rifle Association, about four hundred and fifty feet;

Southeasterly by Aberjona River; and

Southerly by land now or formerly of Mable F. Quinn, about two hundred and seventy feet.

Said parcel is shown as lot 1 on Land Court Plan No. 32181A.

Also another certain parcel of land situate in said Woburn, bounded and described as follows:

Northeasterly by land now or formerly of City of Woburn, ninety-five and 60/100 feet;

Southerly by land now or formerly of Mabel F. Quinn, thirty-seven and 06/100 feet; and

Westerly by land now or formerly of Boston and Maine Corporation, ninety-four and 83/100 feet.

Said parcel is shown as lot 2 on Land Court Plan No. 3281A.

For grantor's title to said lots 1 and 2, see Certificate of Title No. 157009.

Also another certain parcel of land situate in said Woburn, bounded and described as follows:

Southeasterly by Lots 1 and 2 as shown on Land Court Plan 3507C, six hundred one and 84/100 feet, more or less, (six hundred two feet, more or less, according to the Land Court decree in Case No. 3507);

Southwesterly by land now or formerly of Hugh A. Quinn et al, eighty-one and 12/100 feet;

Southeasterly again by land now or formerly of said Quinn, et al, by two lines totalling two hundred seventy-three and 75/100 feet;

Westerly by land now or formerly of the Boston & Maine Railroad by five lines totalling six hundred sixty-nine and 81/100;

Northerly by Lots 1 and 2 as shown on Land Court Plan 32181A three hundred sixty and 7/100 feet, more or less (three hundred forty-five and 30/100 feet more or less, according to the Land Court decree in Case No. 3507);

Northeasterly by the Aberjona River.

Said parcel is shown as Lot 3 on Land Court Plan 3507D, presently on file with the Engineering Department of the Land Court, said Lot 3 being the same premises described in Certificate of Title No. 157070.

For grantor's title see said Certificate of Title No. 157070.

In witness whereof, said Beatrice Foods Co. has caused its corporate seal be hereto affixed and these presents to be signed, acknowledged and delivered in its name and behalf by A. Jerome Becker, its Assistant Vice President, hereunto duly authorized this 1st day of June, 1983.

BEATRICE FOODS CO.

By A. Jerome Becker, Assistant Vice President

State of Illinois

Cook, ss. June 1, 1983

Then personally appeared the above-named A. Jerome Becker and acknowledged the foregoing instrument to be the free act and deed of Beatrice Foods Co., before me,

Notary Public

My commission expires: April 13, 1987

LAND COURT, BOSTON. The land hereto described will be shown on our approved plan to follow as

AUG 23 1983

Plan 3507-D Lot 3

(Examined as to description only)

L.A. Moore Engineer

SAL.

Aug 24, 1983

APPROVED FOR REGISTRATION BY THE COURT

Margaret D. Cronin

CHIEF TITLE EXAMINER

SEP 23 '83

000164

Transfer Certificate of Title.

No. 157070

From Transfer Certificate No. 72809, Originally Registered May 16, 1951, in Registration Book 486 Page 545 for the South Registry District of Middlesex County.

This is to Certify that

Beatrice Foods Co., a Delaware corporation,

having its usual place of business at

~~of~~ Chicago in the County of Cook State of Illinois and ~~Commonwealth of Massachusetts~~,

is the owner in fee simple,

of that certain parcel of land situate in Woburn

in the County of Middlesex and ~~said~~ Commonwealth of Massachusetts bounded and described as follows:

Southeasterly by Salem Street, two hundred forty-six and 01/100 feet;
Southwesterly, five hundred fifty-one and 36/100 feet, and
Southeasterly, two hundred seventy-three and 75/100 feet, by land now or formerly of Hugh A. Quinn et al;
Westerly by land now or formerly of the Boston & Maine Railroad, six hundred seventy-three and 60/100 feet;
Northeasterly by lands now or formerly of Elizabeth Birton et al and of Walker-Johnson Truck Company, measuring on the upland, about three hundred forty-five and 30/100 feet;
Northeasterly by Abajona River; and
Southeasterly by land now or formerly of Daniel J. Quinn, measuring on the upland, about four hundred sixty-eight and 55/100 feet.

Said parcel is shown as lot B on plan hereinafter mentioned, (Plan No. 3507[A]).

All of said boundaries, except the river line, are determined by the Court to be located as shown on a plan as approved by the Court filed in the Land Registration Office, a copy of a portion of which is filed in the Registry of Deeds for the South Registry District of Middlesex County in Registration Book 65, Page 381, with Certificate 10845.

There is excepted and excluded from the above described land lot B[1] shown on plan filed in Registration Book 389, Page 197 and lots 1 and 2 shown on plan filed in Registration Book 612, Page 138.

Said lot B is subject to such flowage rights as may legally exist, as set forth in Document No. 338765.

And it is further certified that said land is under the operation and provisions of Chapter 185 of the General Laws, and any amendments thereto, and that the title of said

Beatrice Foods Co.

to said land is registered under said Chapter, subject, however, to any of the encumbrances mentioned in Section forty-six of said Chapter, and any amendments thereto, which may be subsisting, and subject also to as afore[illegible].

Witness WILLIAM I. RANDALL, Esquire, Judge of the Land Court, at Cambridge, in said County of Middlesex, the [illegible] day of January the year nineteen hundred and [illegible] at [illegible] o'clock and 20 minutes in the afternoon.

Attest, with the Seal of said Court.

Department of the Trial Court

Acting Assistant Recorder

Address of owner: 20 South LaSalle Street, Chicago, Ill.

Land Court Case No. 3507

US EPA ARCHIVE DOCUMENT

MEMORANDA OF ENCUMBRANCES ON THE LAND DESCRIBED IN THIS CERTIFICATE.

DOCUMENT NUMBER	KIND	RUNNING IN FAVOR OF	TERMS	DATE OF INSTRUMENT	DATE OF REGISTRATION	SIGNATURE OF ASSISTANT RECORDER	DISCHARGE
345408	Taking	Comwlth. of Massachusetts (Metro. Dist. Commission)	Taking of permanent and temporary easements in, through and under part within described land. Pl.with Doc.	1959	MONTH 1959	[illegible]	
565609	Note and Mortgage	Nancy J. Walsh	$1,003,550. payable as provided in notes, covering within described (lot B1.Pl.in Bk.389, P.187 and lots 1 and 2, Pl.in Bk.612,P.138 excepted) and other land.	July 22 1977 Dec. 26	Aug. 11 1977 Dec. 28, 1977	[illegible]	

US EPA ARCHIVE DOCUMENT

Transfer Certificate of Title. No. 72809

From Transfer Certificate No. 58176, Originally Registered March 27, 1946

Registration Book 389 Page 193 for the South Registry District of Middlesex County

This is to Certify that

John J. Riley Company, a Massachusetts Corporation, duly established by law and having an usual place of business in

Woburn in the County of Middlesex and Commonwealth of Massachusetts

~~married to~~

is the owner in fee simple

of that certain parcel of land

situate in Woburn

in the County of Middlesex and said Commonwealth, bounded and described as follows:

Southeasterly by Salem Street, two hundred forty-six and 61/100 feet;
Southwesterly, five hundred fifty-one and 36/100 feet, and
Southeasterly, two hundred seventy-three and 75/100 feet, by land now or formerly of Hugh A. Quinn et al.;
Westerly by land now or formerly of the Boston & Maine Railroad, six hundred seventy-three and 60/100 feet;
Northerly by lands now or formerly of Elizabeth Birton et al. and of Walker-Johnson Truck Company, measuring on the upland, about three hundred forty-five and 30/100 feet;
Northeasterly by Abajona River; and
Southeasterly by land now or formerly of Daniel J. Quinn, measuring on the upland, about four hundred sixty-eight and 55/100 feet.

Said parcel is shown as lot B on plan hereinafter mentioned.

All of said boundaries, except the river line, are determined by the Court to be located as shown on a plan as approved by the Court filed in the Land Registration Office, a copy of a portion of which is filed in the Registry of Deeds for the South Registry District of Middlesex County in Registration Book 65, Page 381 with Certificate 10845.

Said lot B is subject to a right of way in favor of said Birton et al. land, as approximately shown on said plan; and it is also subject to such flowage rights as may legally exist.

The above described land is subject to a Taking by the Middlesex County Commissioners of part lot B for relocation of Salem Street, see Filed Plan 683, Document 33795 and to a Taking by the City of Woburn in fee of part lot B for construction of sewer, Document 111000.

There is excepted and excluded from the above described land lot B1 shown on plan filed in Registration Book 389, Page 197.

Address of Owner: Woburn, Mass.

546

And it is further certified that said land is under the operation and provisions of Chapter 185 of the General Laws, and any amendments thereto, and that the title of said John J. Riley Company

to said land is registered under said Chapter, subject, however, to any of the encumbrances mentioned in Section forty-six of said Chapter, and any amendments thereto, which may be subsisting, and subject also as aforesaid.

Witness, John E. Fenton, Esquire, Judge of the Land Court, at Cambridge, in said County of Middlesex, the sixteenth day of May in the year nineteen hundred and fifty-one at 12 o'clock and 0 minutes ~~in the~~ noon.

Attest, with the Seal of said Court,

Albert P. Hutchins
Assistant Recorder.

(Land Court Case No. 3507)

US EPA ARCHIVE DOCUMENT

MEMORANDA OF ENCUMBRANCES ON THE LAND DESCRIBED IN THIS CERTIFICATE.

Document Number.	Kind.	Running in Favor of	Terms.	Date of Instrument.	Date of Registration. (Year & Month; D. H. M. A.M. or P.M.)	Signature of Assistant Recorder.	Discharge.
				1958	1958		
9/335627	Order of Court		Ordered that plan 3507-C be approved; that said plan 3507-C be referred to for any future description of that portion of the land described in this certificate as is shown on said plan 3507-C; that in any new certificate for said portion the description shall found the premises southeasterly by the line of Salem Street and the words "to a taking by the Middlesex County Commissioners of part lot B for relocation of Salem Street as per plan 693, Document 83793" be omitted therefrom; that such new certificate for said portion shall have added thereto the following clause:- together with the fee old soil of so much of Salem Street already on said plan as was included by implication of law in bounding by Salem Street in its former location prior to its relocation by the Middlesex County Commissioners under Document 33336.	Oct. 24	Oct. 29 2 40 P.M.		
				1958	1958		
10/335628	Vote, Deed and Release.	Clifford C. Boutwell et ux	Conveying lot 1. This certificate cancelled as to said lot. Pl. in Bk. 612, P. 138.	Oct. 3	Oct. 29 2 40 P.M.		See Certificate 94488 Book 612 Page 138
				1959	1959		
14/338765	Order of Court		Amending this certificate by striking therefrom the following: "said lot B is subject to a right of way in favor of said Boston and Lowell as appurtenant, shown on said plan, and it is also subject to such flowage rights as may legally exist" and inserting in place thereof the following: "said lot B is subject to such flowage rights as may legally exist"	Jan. 22	Jan. 29 11 0 a.m.		
				1959	1959		
15/338742	Vote and Deed	Clifford C. Boutwell et ux	Conveying lot 2. Bk. certificate cancelled as to said lot. Pl. in Bk. 612, P. 138.	Feb. 2	Feb. 4 12 0 M.		See Certificate 97362 Book 617 Page 12
			Taking of Permanent and Temporary easements in, through and under part within described land. Pl. in Bk. Doc.	1959	1959		
17/345408	Taking	Commonwealth of Massachusetts (Metro. Dist. Commission)		July 22	Aug 11 2 25 PM		

✓ See following page

[SEE OVER]

US EPA ARCHIVE DOCUMENT

MEMORANDA OF ENCUMBRANCES ON THE LAND DESCRIBED IN THIS CERTIFICATE.

Document Number.	Kind.	Running in Favor of.	Terms.	Date of Instrument.	Date of Registration.	Signature of Assistant Recorder.	Discharge.
			Ordered that Plan 3507-C be approved and adopted for all purposes of boundary and description, that the Certificate be cancelled as to Lots 1 and 2 shown on said Plan 3507-C to be filed with Certificate No. 96638, and new certificates to be issued for each of said Lots 1 and 2, pursuant to decree Document 335942 (Lot 2) and 335628 (Lot 1) shall bound same "by line of land marked 'City of Woburn' (sewer location)" as shown on said plan and it is further Ordered that said new certificates shall omit therefrom the following words and appearing in this Certificate: "and to a taking by the City of Woburn in fee of part Lot 13 and construction of sewer, Document 111000."	1959 Dec. 22	1960 Feb. 10 2 56 P.M.		
26 351774	Order of Court						
✓							
✓							
✓							
✓			$1,003,558. Payable as provided in the Collecting City and other Loans	1977 Dec 28	1977 Dec. 28 3 40 PM	Fred Wily Acting	
27 356608	Poly Mortgage	Nancy J. Walsh					

338765

COMMONWEALTH OF MASSACHUSETTS

L A N D C O U R T

CASE NO. 3507-S
(SEAL)

Upon the petition of John J. Riley Company, a duly existing corporation having an usual place of business in Woburn in the County of Middlesex and said Commonwealth, representing that it is the holder of Certificate of Title No. 72809 issued from the Middlesex South Registry District; that said Certificate states that Lot B described therein is subject to a right of way in favor of Bixton et al land as approximately shown on the plan referred to therein; that the petitioner is now the owner of the Bixton land and has both the dominant and servient estates, and it prays that said Certificate be amended by striking therefrom all reference to said right of way; after due proceedings, it is

O R D E R E D that Certificate of Title No. 72809 be amended by striking therefrom the following: "Said Lot B is subject to a right of way in favor of said Bixton et al land, as approximately shown on said plan; and it is also subject to such flowage rights as may legally exist." and inserting in place thereof the following: "Said Lot B is subject to such flowage rights as may legally exist."

By the Court.

Attest: Sybil H. Holmes
RECORDER

DATED: January 22, 1959

A TRUE COPY,
ATTEST
Sybil H. Holmes
RECORDER

2-1

JP

Reg
2/2/31

111000

#532
CITY OF WOBURN
CITY COUNCIL

Whereas: It is deemed adviseable and expedient that the City of Woburn a municipal corporation within the County of Middlesex and Commonwealth of Massachusetts, should take, maintain and hold in fee for the purpose hereinafter set forth, the parcel of land hereinafter described.

NOW THEREFORE BE IT KNOWN AND IT IS HEREBY ORDERED:

That by virtue and in execution of the authority conferred by Section 1 of Chapter 79 of the General Laws and Acts in amendment thereof and in addition thereto, and by virtue and in execution of every other power and authority, it hereto enabling, the said City, by its city council does hereby take in fee and will maintain and hold in fee for the purpose of constructing a sewer, a certain parcel of land with the trees thereon, and all the privileges, easements and appurtenances thereto belonging, situated in said Woburn and bounded and described as follows:

Beginning at a point in the northerly side line of Salem Street and at land of Daniel J. Quinn.
Thence North 58° 47' 30" West 520 feet.
Thence South 79° 24' 30" West 21.22 feet to land of D. J. Quinn
Thence South 24° 24' 00" East by land of Quinn 20.59 feet
Thence North 79° 24' 30" East 8.68 feet
Thence South 59° 47' 30" East 496.21 feet to Salem Street
Thence North 70° 07' 30" West 25.70 feet to point of beginning
Containing 10,461 square feet.

The above described land is owned by the heirs of Mabel F. Quinn and is part of lot B filed with her certificate No. 10845 as shown on plan Reg. Book 65, Page 381.

The above description to conform to a Sub-Division Plan of Case #3507 made and drawn by J. F. McDermott C.E. and dated November 1st, 1930, registered herewith.

IN CITY COUNCIL
DECEMBER 18, 1930

Read once: Ordered to a second reading. Upon invitation, City Solicitor Corrasi appeared, referred to the Committees on Finance and Claims and Bonds sitting jointly.

IN CITY COUNCIL
DECEMBER 29, 1930

Voted that the order be referred to the City Council of 1931. Yeas 7-Nays 5-Absent 3. Voted that the Superintendent of Public Works be invited to appear before the City Council. Yeas 7-Nays 5-Absent 3. Voted that the action of the City Council be reconsidered. Yeas 10-Nays 3-Absent 2. Given second reading, accepted and adopted. Yeas 10-Nays 2-Absent 3.

Presented to the Mayor, January 2, 1931
Mayor's office, January 3, 1931
Approved: Philip J. Gallagher, Mayor

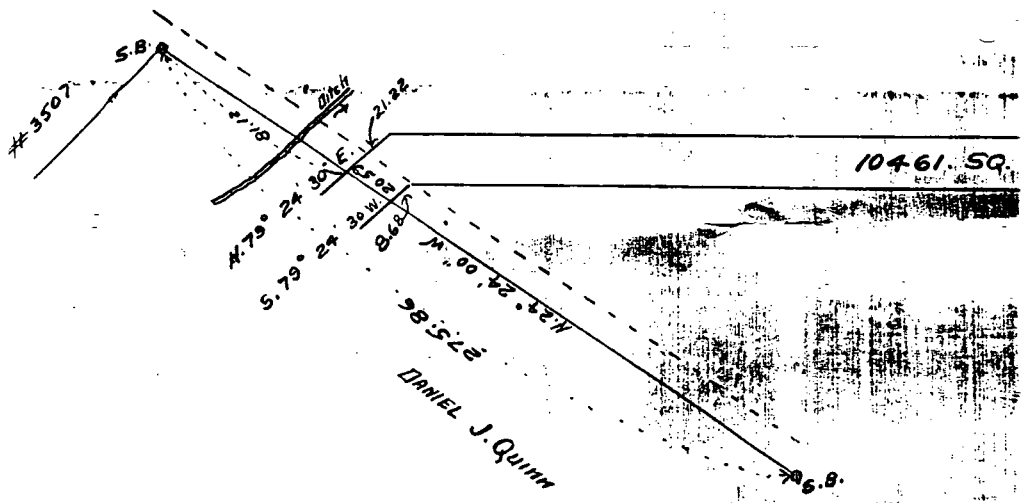
A true copy: Attest:

William J. Kane
City Clerk and Clerk of City Council

1-4

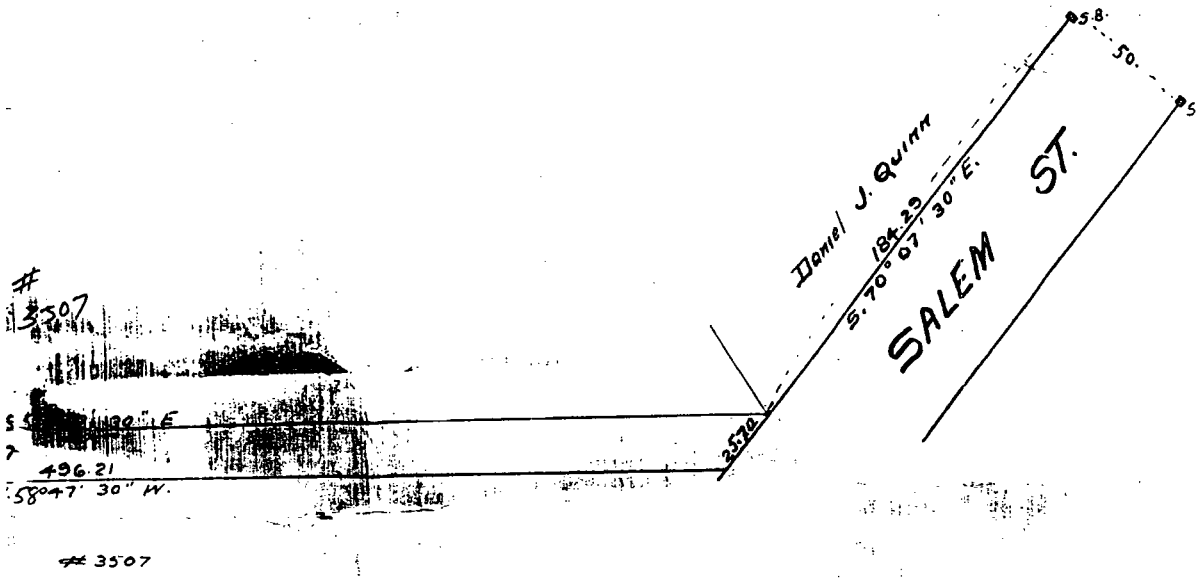
000088

INTERIOR ANGLES	BEAR
138° 12' 00"	N.79°24'
151° 05' 00"	S.58°47'
128° 55' 00"	S.70°07'
221° 48' 00"	N.58°47'
103° 48' 30"	S.79°24'
76° 11' 30	N.24°24'
720°-00'-00"	



000089

Distance	Latitude N.	Latitude S.	Departure E.	Departure W.
21.22	3.90		20.86	
520.00		269.44	444.75	
25.70		8.73		24.17
496.21	257.11			424.40
8.68		1.59		8.53
20.59	18.75			8.51
	279.76	279.76	465.61	465.61



#3507

Land in Woburn

000090

SUB-DIVISION OF CASE #3507
SCALE 40 FT.= 1 INCH.
NOVEMBER 1, 1930. J.F. McDERMOTT C.E.

Extract from Chapter 185, Section 46, of the General Laws, as amended.

Every petitioner receiving a certificate of title in pursuance of a decree of registration, and every subsequent purchaser of registered land taking a certificate of title for value and in good faith, shall hold the same free from all encumbrances except those noted on the certificate, and any of the following encumbrances which may be existing.

First, Liens, claims or rights arising or existing under the laws or constitution of the United States or the statutes of this commonwealth which are not by law required to appear of record in the registry of deeds in order to be valid against subsequent purchasers or encumbrances of record.

Second, Taxes, within two years after they have been committed to the collector

Third, Any highway, town way, or any private way laid out under section twenty-one of chapter eighty-two, if the certificate of title does not state that the boundary of such way has been determined.

Fourth, Any lease for a term not exceeding seven years

Fifth, Any liability to assessment for betterments or other statutory liability except for taxes payable to the commonwealth, which attaches to and in the commonwealth as a lien, but if there are easements or other rights appurtenant to a parcel of registered land which for any reason have failed to be registered, such easements or rights shall remain so appurtenant notwithstanding such failure, and shall be held to pass with the land until cut off or extinguished by the registration of the servient estate, or in any other manner

Sixth, Liens in favor of the United States for unpaid taxes arising or existing under the Internal Revenue Code of 1954 as amended from time to time. As amended Sc 1963, c. 242, § 2

CERTIFICATE OF TITLE

Book 915 Page 120

No. 157070

DATE OF REGISTRATION

January 4, 1979

Beatrice Foods Co. *Owner*

JOHN P. ZAMPARELLI, ESQ.
REGISTER OF DEEDS
ASSISTANT RECORDER
LAND COURT
MIDDLESEX SOUTH REGISTRY DISTRICT
CAMBRIDGE, MASS., 02141

IMPORTANT
See Note on back.

IMPORTANT

LAND REGISTRATION OFFICE
SOUTH REGISTRY DISTRICT OF MIDDLESEX COUNTY
EAST CAMBRIDGE, MASSACHUSETTS

NOTE

This certificate must accompany every voluntary instrument relating to this property which is presented for registration at * this office.

This certificate should be mailed or delivered to * this office upon request when an involuntary instrument affecting this property is registered, so that the same may be noted hereon.

If this certificate is lost, a petition for a new one should be filed at once in the Land Court at Boston.

When a certificate owner dies, a petition for a new certificate after death should be filed in the Land Court at Boston, if the property goes to heirs or devisees

000098

US EPA ARCHIVE DOCUMENT

Owner's Duplicate Certificate.

TRANSCRIPT OF CERTIFICATE OF TITLE REGISTERED IN BOOK 915 PAGE 120 No. 157070

From Transfer Certificate No. 72809, Originally Registered May 16, 1951, in Registration Book 486 Page 545 for the South Registry District of Middlesex County.

This is to Certify that

Beatrice Foods Co., a Delaware corporation,

having its usual place of business at State of Illinois. ~~and Commonwealth of Massachusetts~~

Chicago in the County of Cook

is the owner in fee simple,

of that certain parcel of land situate in Woburn

in the County of Middlesex and ~~said~~ Commonwealth of Massachusetts, bounded and described as follows:

Southeasterly by Salem Street, two hundred forty-six and 51/100 feet;
Southwesterly, five hundred fifty-one and 36/100 feet, and
Southeasterly, two hundred seventy-three and 75/100 feet, by land now or formerly of Hugh A. Quinn et al;
Westerly by land now or formerly of the Boston & Maine Railroad, six hundred seventy-three and 60/100 feet;
Northeasterly by lands now or formerly of Elizabeth Birton et al and of Walker-Johnson Truck Company, measuring on the upland, about three hundred forty-five and 30/100 feet;
Northeasterly by Abajona River; and
Southeasterly by land now or formerly of Daniel J. Quinn, measuring on the upland, about four hundred sixty-eight and 55/100 feet.

Said parcel is shown as lot B on plan hereinafter mentioned. (Plan No. 3507A).

All of said boundaries, except the river line, are determined by the Court to be located as shown on a plan as approved by the Court filed in the Land Registration Office, a copy of a portion of which is filed in the Registry of Deeds for the South Registry District of Middlesex County in Registration Book 55, Page 331, with Certificate 10845.

There is excepted and excluded from the above described land lot B1 shown on plan filed in Registration Book 389, Page 137 and lots 1 and 2 shown on plan filed in Registration Book 512, Page 138.

Said lot B is subject to such flowage rights as may legally exist, as set forth in Document No. 338765.

And it is further certified that said land is under the operation and provisions of Chapter 185 of the General Laws, and any amendments thereto, and that the title of said

Beatrice Foods Co.

to said land is registered under said Chapter, subject, however, to any of the encumbrances mentioned in Section forty-six of said Chapter, and any amendments thereto, which may be subsisting, and subject also as aforesaid.

Witness WILLIAM I. RANDALL, Esquire, Judge of the Land Court, Department of the Trial Court at Cambridge, in said County of Middlesex, the fourth day of January the year nineteen hundred and seventy-nine at 3 o'clock and 20 minutes in the afternoon.

Attest, with the Seal of said Court,

Acting Assistant Recorder

000039

Address of owner: 120 South LaSalle Street, Chicago, Ill.

579874 MEMORANDA OF ENCUMBRANCES ON THE LAND DESCRIBED IN THIS CERTIFICATE. No. 1570

000100

DOCUMENT NUMBER	KIND	RUNNING IN FAVOR OF	TERMS	DATE OF INSTRUMENT	DATE OF REGISTRATION					SIGNATURE OF ASSISTANT RECORDER	DISCHARGE
					YEAR & MONTH	D	H	M	AM PM		
			Taking of permanent and temporary easements in, through and under part within described land.	1959	1959						
345408	Taking	Comwlth. of Massachusetts (Metro. Dist. Commission)	Pl.with Doc.	July 22	Aug.	11	2	25	PM	Brian J. Connor Acting	
			$1,003,558. payable as provided in notes, covering within described (lot B1,Pl.in Bk.389, P.197 and lots 1 and 2, Pl.in Bk.612,P.130 unrecorded) and other land.	1977	1977						
565608	Vote and Mortgage	Nancy J. Walsh		Dec. 20	Dec.	20	3	41	PM	Brian J. Connor Acting	

000101

MEMORANDA OF ENCUMBRANCES ON THE LAND DESCRIBED IN THIS CERTIFICATE.

DOCUMENT NUMBER	KIND	RUNNING IN FAVOR OF	TERMS	DATE OF INSTRUMENT	DATE OF REGISTRATION					SIGNATURE OF ASSISTANT RECORDER	DISCHARG
					YEAR & MONTH	D	H	M	AM PM		

EXHIBIT
Maher #9
1/15/86 WWL

000425

This is a semi-emergency!

Job File

000426

om: D. Maher

Date: 3/4/85

iller:

Rig:

b: J.J. Riley Co. - Woburn

Job No.: 85-022-WS

gineer:

Contact: Charlie Sheehan

one:

Phone: 933-5900

b Site: Salem ST Woburn, MA.

24" dia well 55' deep

(This is a one man surge Job)

ope of Work: The pump has been removed.

Set surge equipment & surge + pump the well for 6-8 hours.

Add 30 gallons of Chlorine w/ 500 gallons of H_2O for back flush

Add 275 gallon of Muriatic Acid w/ 500 gallons of H_2O for back flush

Add 300# of Metaphos w/ 500 gallons of H_2O.

Make sure water is added.

After set the new pump + water that Riley has in stock w/ the boom truck.

ojected Materials to be Needed: 400gpm Pump, 6" surge Pipe, 24" surge block, 30 Ch - 275 Acid - 300# Metaphos

See if it can be done on the week of 3-11

INVOICE

30497

D. L. MAHER CO.
71 CONCORD STREET • P. O. BOX 127
NORTH READING, MA 01864
(617)933-3210

INVOICE DATE	April 9, 1985
OUR ORDER NO.	35-022-WS
YOUR ORDER NO.	
TERMS	NET 15 days
F.O.B.	
SALESPERSON	
SHIPPED VIA	

J.J. Riley
Salem Street
Woburn, MA
01801

PPED TO

PPD OR COLL

QUANTITY	DESCRIPTION	PRICE	AMOUNT
1	Well Sounder		242.00
	5% Mass. sales tax:		12.10
			$254.10

SERVICE CHARGE OF 1½%
PER MONTH WILL BE
MADE ON ALL BALANCES
EXCEEDING 45 DAYS.

4/9

C 14405 RAPIDFORMS, INC., BERLIN, NJ 08091

000427

INVOICE

10443

D. L. MAHER CO.
71 CONCORD STREET • P O BOX 127
NORTH READING, MA 01864
(617)933-3210

Page 2 PD 4/83

INVOICE DATE	March 27,1985
OUR ORDER NO.	85-022-WS
YOUR ORDER NO.	
TERMS / F.O.B.	NET 15 days
SALESPERSON	
SHIPPED VIA	

J.J. Riley
Salem Street
Woburn, MA 01801

PPED TO

PPD OR COLL

QUANTITY	DESCRIPTION	PRICE	AMOUNT
7½ hrs.	Serviceman, including travel @	33.75/hr.	253.13
7½ hrs.	Helper " " @	30.75/hr.	230.63
1 day	Hydraulic rig		280.00
28 mi.	Mileage @	.70/mi.	19.60
	3/26/35		
	0800 to 0815 - Travel		
	0815 to 1145 - Grind well cover, connected water main and lines. Put up riser pipe to top of pit. Ran the pump; 630 GPM at 78 PSI 16'0½" pumping level 115, 125, 112 Amps, pumped to waste. Finished setting with 2" lokking cap on the top of the pit door.		
	1145 to 1200 - Travel		
4 hrs.	Serviceman @	33.75/hr.	135.00
4 hrs.	Helper @	30.75/hr.	123.00
½ day	Hydraulic rig		140.00
14 mi.	Mileage @	.70/mi.	9.80
5.75	Man hours - Shop Labor @	33.75/hr.	194.06
	Materials		
30 gls.	Chlorine @	1.60/gl.	57.20
275 gls.	muriatic @	1.60/gl.	440.00
300#	metaphos @	95./100#	285.00
1	2" x 1 nipple		3.50
	Small stores		49.13
	TOTAL:		$6525.05

SERVICE CHARGE OF 1½% PER MONTH WILL BE MADE ON ALL BALANCES EXCEEDING 45 DAYS

There is an increasing problem with the continuity of the wires that service the pit.

3/27

FM NO. 14405 RAPIDFORMS, INC., BELLMAWR, NJ 08031

000428

INVOICE

30443

D. L. MAHER CO.
71 CONCORD STREET • P. O. BOX 127
NORTH READING, MA 01864
(617)933-3210

Page 1

INVOICE DATE	March 27, 1985
OUR ORDER NO.	85-022=WS
YOUR ORDER NO.	
TERMS / F.O.B.	NET 15 days
SALESPERSON	
SHIPPED VIA	

J.J. Riley
Salem Street
Woburn, MA 01301

SHIPPED TO

PPD OR COLL

QUANTITY	DESCRIPTION	PRICE	AMOUNT
	3/14/85		
	0630 to 1000 - Load equipment, w/jib, surge pipe & pump.		
	1000 to 1030 - Move rig tothe jobsite.		
	1030 to 1680 - Set up the rig with jib, set surge line, unload 3" pump & connected same.		
	1630 to 1700 - Return to shop		
10	Machine hours		
	3/15/85		
	0815 to 1645 - Shorten stroke, add 30 gallons chlorine, 275 gallons muriatic acid, 300# metaphos with backflush and dry surge.		
8¼	Machine hours		
	3/18/85		
	0730 to 1700 - Developing well (Dirty) Pumping 303 gpm at 4'7" drawdown or 66.2 gpm/ft.		
9½	Machine hours		
	3/19/85		
	0730 to 1630 - Developed well 66 gpm/ft. Sand free		
9	Machine hours		
	3/20/85		
	0730 to 0830 - Waited at gate for someone to unlock (company meeting)		
	0830 to 1230 - Pump down the vault, cut off guides, pulled surge pipe, removed jib took down ~~jib~~ and moved out.		
4	Machine hours		
41	Machine hours @	105./hr.	4305.00
	Reinstallation of the Pump		
	3/25/85		
	0900 to 0915 - Travel		
	0915 to 1615 - Started setting pump, couldn't finish. Water was 1ft. above floor of pit and surface plate had to be fitted.		
	1615 to 1630 - Travel		

Continued

FORM NO. 14405 RAPIDFORMS, INC., BELLMAWR, NJ 08031

INVOICE

#0353

D. L. MAHER CO.
71 CONCORD STREET • P. O. BOX 127
NORTH READING, MA 01864
(617)933-3210

PD 3/19

INVOICE DATE	February 13, 1985
OUR ORDER NO.	85-022-WS
YOUR ORDER NO.	
TERMS	NET 15 days
F.O.B.	
SALESPERSON	
SHIPPED VIA	

J.J. Riley Company
Salem Street
Woburn, MA 01801

SHIPPED TO

PPD OR COLL

QUANTITY	DESCRIPTION	PRICE	AMOUNT
	Jan. 21, 1985		
	1000 to 1400 - Removed the pump; motor megged poorly. Brought pump & motor to the shop.		
	1600 to 1700 - Removed hub, inspected wire.		
5 hrs.	Serviceman @	33.75/hr.	168.75
4 hrs.	Helper @	30.75/hr.	123.00
½ day	Hydraulic rig		140.00
14 mi.	Mileage @	.70/mi.	9.80
			$ 441.55

SERVICE CHARGE OF 1½%
PER MONTH WILL BE
MADE ON ALL BALANCES
EXCEEDING 45 DAYS

2/13

FM NO. 14405 RAPIDFORMS, INC., BELLMAWR, NJ 08031

000430

ENVIRONMENTAL
CONTROL
SYSTEMS

THE MAHER CORPORATION

P.O. BOX 127 • 71 CONCORD STREET
NORTH READING, MASSACHUSETTS 01864
617/933-3210

April 30, 1985

Sun Star Electric Inc.
1115A Slaton Highway
Lubbock, TX 79404

Gentlemen:

We have a customer, who would like to know if the carcass of their Byron Jackson motor is worth anything.

The motor failed last month when the pump broke suction, vibrated, and the mercury seal failed.

HP	50	Phase	3
Volts	230	Full Load Amps	130
Pole	4	S/N	10-2612-4-1RB
Hertz	60		

If you are interested, please call, if not, please return the business reply card. Thank you.

Very truly yours,

THE MAHER CORPORATION

Denis L. Maher, Jr.
President

Enc:

DLM:jrs

US EPA ARCHIVE DOCUMENT

000432

Our continued commitment to quality is the cornerstone of the Maher name. It is a commitment that assures our clients of the best product and service available in the industry today. If you'd like to learn more about the Maher name, we'd be happy to discuss the full scope of our services at your convenience.

D.L. Maher Company
The Maher Corporation
71 Concord Street
P.O. Box 127
North Reading, MA 01864-0127
617/933-3210

Yes, I am interested in receiving additional information.

- ☐ Ground Water Development
- ☐ Hydrogeological Consulting
- ☐ Annual Preventative Maintenance Inspections
- ☐ Well Cleaning and Rehabilitation
- ☐ Pumping Equipment
- ☐ Water and Wastewater Treatment Equipment

Name _____ Title _____
Firm Sun Star Electric Inc
Address 1051 Slaton Highway
City/Town Lubbock State TX Zip 79404
Phone Bei Byron Jackson Motor

Primary Business
- ☐ Consultant/Engineer
- ☐ Municipal
- ☐ Industrial
- ☐ _____

We are not Interested ☑

TMC

Sun Star Elec.

We have a customer, who would like to know if the carcass of their Byron Jackson motor is worth anything.
The motor failed last month when the pump broke suction, vibrated, + the mercury seal failed.

HP	50	Phase 3
Volts	230	Full Load Amps 130
Pole	4	Ser # 10-2612-4-1BB
Hertz	60	

If you are interested please call. If not please ~~click~~ return the business reply card

Thank you

Pres.

000433

FROM

D. L. MAHER CO.
P. O. Box 127 • Concord St.
No. Reading, Mass. 01864
(617) 933-3210

Tony Sullivan
John McNeil

SUBJECT: T.P. Policy - B.P. Motor

DATE: 4-10-85

MESSAGE

Need Ser # & name plate data.

SIGNED

DATE

REPLY

SIGNED

FORM 11053 RAPIDFORMS, INC., BELLMAWR, N.J. 08031

LETTER-LIMINATOR

RECIPIENT: RETAIN WHITE COPY, RETURN PINK COPY

DUPLICATE INVOICE

GEORGE MANN & CO., INC.

MERCHANTS AND DISTRIBUTORS OF HEAVY CHEMICALS

OFFICE AND WAREHOUSE HARBORSIDE BOULEVARD
MUNICIPAL DOCK, PROVIDENCE, R.I. 02905
TEL. 401-781-5600

105 CENTRAL STREET
STONEHAM, MASS. 02180
TEL. 617-438-1335

SEND ALL REMITTANCES
TO P.O. BOX 9066
PROVIDENCE, R.I. 02940

SOLD TO:

D L MAHER COMPANY
P O BOX 177
N. READING, MA.
01864

SHIP TO IF DIFFERENT FROM SOLD TO:

D L MAHER COMPANY
CONCORD STREET
N. READING, MA.
01864

HIP DATE	CONTROL	INVOICE DATE	INVOICE NO.	ORDER NO.	CUST. NO.	SHIP VIA	SLSMN	TERMS
3/08/85	42071	03/08/85	06559	251	35820	MAIN TRK 3965 PFD	05	

NTITY ERED	QUANTITY SHIPPED	ITEM NUMBER	DESCRIPTION	WEIGHT	PRICE	PER	LESS %	CODE	AMOUNT
2	2	112522	WILCLOR 2 15G DR	30	.98	G		1	29.40
	2	190410	CONT 15 GAL DEL	2	25.00	E		1	50.00
5	5	303712	ASKEATIC ACID 20 DRG 500# DS PT	2500	.10056			1	251.25
	5	190430	CONTAINERS 55 GAL PLASTI	5	50.00	E		1	250.00
3	3	123700	METAPHOS GR 100# PG	300	.74556			1	223.68

File copy
J. J. Riley
85.022.WS.

CODE EXPLANATION		
-POUND	M—THOUSAND	1—DELIVERED
-GALLON	T—TON	2—X STORE
-HUNDRED	E—EACH	3—FOB WORKS

LOCATION 2

PAY THIS AMOUNT
304.33

Containers remain the property of the Seller and to guarantee their return a deposit is required. Containers returned in good condition within 90 days are to be credited only to BUYER'S account and not to successors, assigns, receivers or trustees of BUYER.
A service charge of one percent (1%) per month will be assessed on all balances which extend beyond terms agreed to by our credit department.

000435

D.L. MAHER CO. DAILY TIME REPORT Date: 21 Mar 85

Owner: J.J. Rhys Location _____ Job. No 85-022-05

Foreman (1) Tom McNal Helper (2) Mike Mage (3) _____ (4) _____

Truck No. 78-Pump MI. 14

From	To	1	2	3	4	DETAILED REPORT
700	0800	1				Get together materials for job - 1½ pump Equipment Grinder - Pipe etc
800	0815	¼	¼			Travel / Pump Down pit
815	1145	3½	3½			Pickup pump + Grind off well from Guides - Put pump Down and - Pickup water maint hose - Put up Risers pipe to Top of pit - Rev pump 130GPM - 75PSI ½-0% P.L. 115-125-112 Amps - Pumped to waste - Finished Taping Guides - Put on 2" locking cap on Top of pit Door
1145	1200	¼	¼			

Materials used or moved on or off job:

2" locking cap 15.96 2"x1' Nipple 3.50 2-1½ Couplings 3.72
1½x5½" Nipple 1.95 8" Ring Gasket 3.00 8-7/16x1½ Bolts 4.80
4 Nuts 4 Tape 16.00

Con time	1	
Travel time	½	½
Site time	3½	3½
Total time	5	4

000436

D.L. MAHER CO. DAILY TIME REPORT Date: Mon March 25, 1985

Owner J.J. Riley Location RJ Submersible Well Job. No 85-029-WS

Foreman (1) John McNeil Helper (2) Tom McNeil (3) (4)

Truck No. 7 & Pump MI. 28 2 trips

From	To	1	2	3	4	DETAILED REPORT
830	1900	1/2	1/2			gassed up truck, loaded RJ Submersible pump - 2 long blockings for [illegible] well
900	0915	1/4	1/4			Travel to jobsite - met with Jim Springer
915	1615	7	7			went back to shop to get weld, RJ location Travel to then shop -
						started setting pump - set pump up to discharge head on pit had a foot up water in it and also had series welded on top of well
15	1630	1/4	1/4			return to shop

D.L. MAHER CO.

DAILY TIME REPORT

Mon
Date: Mon-(35-845

Owner J.J. Pl[illegible] Location Shop Job. No 85-022-WS

Foreman (1) Tom [illegible] Helper (2) _____ (3) _____ (4) _____

1½

Truck No. _____ MI. _____

From	To	1	2	3	4	DETAILED REPORT
0700	0830	1½				Repair adapter from top of submersible pump picked up mercury off floor - tried to get bolt off top of motor - broke a set of drive bolts.

Materials used or moved on or off job:

Shop time	1½
Travel time	
Site time	
Total time	1½

000438

D.L. MAHER CO. DAILY TIME REPORT Date: 3-20-85

Owner J.J. Riley Location #2 well Job. No 85-022-WS

Foreman (1) G. Burns Helper (2) P. Searle (3) (4)

Truck No. 84-2 MI.

m	To	1	2	3	4	DETAILED REPORT
30	0715	3/4	3/4			load 12" Surge Block, Extra Fittings + Blocking
15	0730	1/4	1/4			Travel
30	0830	1	1			Waited for Abraham to unlock Gate (Company Meeting)
30	1230	4	4			Pump down vault. Cut off Guides Pulled Surge Pipe Took off Jib Move Rig to head load Jib, start stem Surge Pipe 3rd Pump Take down Rig load Blocking etc.

Materials used or moved on or off job:

on time	1 3/4	1 3/4
avel time	1/4	1/4
te time	4	4
tal time	6	6

000439

D.L. MAHER CO. DAILY TIME REPORT Date: 3-19-85

Owner: J.J. Riley Location: #2 well Job. No. 85-022-WS

Foreman (1) B. Boring Helper (2) (3) (4)

Truck No. 84-2 MI. 30

From	To	1	2	3	4	DETAILED REPORT
700	0730	1/2				Shop. + Travel
730	1630	9				Develop well Sand free.
30	1700	1/2				Drive to U+P Truck Center for Fuel line
						Plug for 84-2

Oper. time	1/2
Travel time	1/2
Late time	9
Total time	10

Materials used or moved on or off job:

000440

D.L. MAHER CO. DAILY TIME REPORT Date: 3-18-85

Owner J.I. Riley's Co. Location # 2 well Job. No 85-022-w

Foreman (1) G. Burns Helper (2) (3) (4)

Truck No. 84-2 MI.

From	To	1	2	3	4	DETAILED REPORT
630	0715	3/4				unloading Mixing Bannell + Empty Bags fuel ect.
0715	0730	1/4				Travel
730	1700	9 1/2				Develope well 9.5 Hrs Showing 66.2 G.P.F @ 303.G.P.M.

Materials used or moved on or off job:

Shop time 3/4
Travel time 1/4
Site time 9 1/2
Total time 10 1/2

D.L. MAHER CO. DAILY TIME REPORT Date: Friday 3-15-85

Owner Riley Leather Location Riley Leather Job. No 85-022WS

Foreman (1) M. Mage Helper (2) (3) (4)

Truck No. MI.

From	To	1	2	3	4	DETAILED REPORT
630	0930	3				unload 81-5, 76-1 load truck and trailer
930	1000	1/2				Load trailer w/ muriatic Acid metaphos and bleach
00	1400	4				worked w/ 6 hands putting chemicals in well
100	1430	1/2				Travel back to shop
430	1500	1/2				unload trailer and 83-1
top time		8 1/2				
travel time						
site time						
total time		8 1/2				

Materials used or moved on or off job:

000442

D.L. MAHER CO. DAILY TIME REPORT Date: 3-15-81

Owner: TJ Riley Location: Well #2 Job. No. 85-022-WS

Foreman (1) G. Burns Helper (2) (3) (4)

Truck No. 84-2 MI.

From	To	1	2	3	4	DETAILED REPORT
0630	0800	1½				Drill hole in pin, make up new pin
0800	0815	¼				load welder
0815	1645	8½				Shorten stroke - Pumping 225 Muriatic 30 gal
1645	1700	¼				of wilclor 2 mix and added 300 lbs of
						metaphose. + Dry Surge.
						Return to shop + unload welder

Materials used or moved on or off job:

Shop time	1½
Travel time	½
Site time	8½
Total time	10½

000443

D.L. MAHER CO. DAILY TIME REPORT Date: 3-14-85

Owner J.J. Riley Location Well #2 Job. No 85-022-WS

Foreman (1) G. Burns Helper (2) B. Ammon (3) (4)

Truck No. R4-2 60-4WD.

From	To	1	2	3	4	DETAILED REPORT
630	1000	3½	3½			load Rig & Pick up - Jib Surge Pipe Pump
00	1030	½	½			Move Rig to Job & m to Site
030	1630	6	6			Set up Rig w/ Jib Set Surge line
						unload 3" Pump Hookup Pump.
						Pump & Surge 3 Hrs.
						well Showed 50 G.P.M @ 300 G.P.M.
30	1700	½	½			Return to Shop w/ Broken Pin
						degrease & clean threads w/ 3 corner file

Materials used or moved on or off job:

Prep time		3½	3½	
Travel time		1	1	
Site time		6	6	
Total time		10½	10½	

EXHIBIT
Maher #4
1.13.86 VW

105 pages

Kelly - 1745

000191

Well only

CONTRACT

D. L. MAHER CO.

Gravel Wall and
Driven Wells

Municipal
Industrial
Domestic Supplies

38B Brattle Street
Cambridge 38, Massachusetts

Telephones
Kirkland 1438
Woburn 0049

SPECIFICATIONS FOR FURNISHING AND CONSTRUCTING
GRAVEL FILTER WELL
at
JOHN J. RILEY CO. - WOBURN, MASS.

The gravel filter well shall be of the large diameter heavy caisson type, to be installed by excavating inside of the casings.

The casings and screens shall be of heavy construction throughout of such diameter and installed to such depths as the formations encountered may justify and as will, in the Contractor's opinion, best meet the conditions.

The Contractor shall keep an accurate log of the formations penetrated in the installation of the permanent well; shall collect and furnish to the Purchaser samples of the materials taken at each change of formation and at intervals not greater than ten feet, and otherwise as directed by the Purchaser. The samples are to be placed in approved glass containers, properly labeled. It is intended that the log and samples shall indicate fully all significant changes in size, color and type of all materials penetrated in the installation of the wells.

The gravel filter well will start with a 60" caisson to approximately 20 feet and then telescope to a 54" caisson with which the Contractor will finish the well if possible, but there shall be not less than a 48" caisson at the bottom of the well. The bottom of the well will be approximately 38 feet from grade.
35'

There shall be a constant strain maintained on the caissons in order to keep the cutting shoe in advance of the digging process.

The screen shall be Armco iron and be covered with three coats of vitreous enamel, or approved equal. Well screen to be of the louvre type 24" in diameter and 6' in length.

The blank caisson shall be 24" in diameter and shall be flanged to the screen and extend to the top of well.

The openings on the screen shall be determined by the Contractor.

There shall be a minimum of 12" of selected washed gravel enveloping the screen. The gravel shall be well-rounded, well-washed, selected, hard gravel with low iron content of such size as to be retained on a 1/2-inch mesh and to pass through a 1-inch mesh. Samples of the gravel fill to be submitted to the Purchaser for approval.

The Contractor shall notify the Purchaser when the well is ready for the test. The equipment and measuring devices necessary for making the test for productivity shall be provided by the Contractor and shall be such as to meet the approval of the Purchaser.

The test shall be continuous for the period of forty-eight hours in order to determine the safe yield for the well together with a predetermined drawdown. A centrifugal or turbine pump with gas engine for prime mover is to be used.

The pump shall be rated for a capacity of at least 500 G.P.M.

A special seal plate is to be installed at the top of the well, detail of same to be submitted later.

Temporary discharge pipe for testing the well to be furnished and installed by the Contractor. The discharge pipe to waste away from well.

It is agreed that the quantity and quality of the water is not guaranteed by the Contractor.

The Contractor shall take out and maintain during the life of this contract Workmen's Compensation Insurance, Public Liability and Property Damage Insurance as shall protect him and any sub-contractor performing work covered by this contract.

Public Liability Insurance in an amount not less than $5,000 for injuries, including wrongful death to any one person, and subject to the same limit for each person, in an amount not less than $10,000 on account of one accident.

Property Damage Insurance in an amount not less than $5,000 for damages on account of any one accident, and in an amount not less than $10,000 for damages on account of all accidents.

The Contractor warrants all workmanship and material entering into the construction of the well system herein set forth against inherent defects.

The Contractor warrants that he does not infringe on the patent rights of any person, or persons, or corporation, whomsoever, in the construction of the well and hereby agrees, as part consideration hereof, to defend and save the Purchaser harmless from any and all damages, costs and expenses by reason of claims or suits for infringement, resulting from the purchase or use of the same or any part thereof.

The Contractor agreesto comply with the requirements as to conditions of employment, wage rates and hours of labor as set forth by the Commonwealth of Massachusetts.

Contract price for Gravel Filter Well - - - - - $3,800.00

Terms of Payment: Time of payment shall be as follows:

(a) $500.00 when screen is set in well.

(b) Balance of well contract, or $3,300, when forty-eight-hour test is completed.

It is agreed that there are no understandings or agreements relative to this agreement or its subject matter that are not fully expressed herein and that it is not effective until signed by the Purchaser and approved by an executive officer of the Contractor.

IN WITNESS WHEREOF, witness our hands on this day and date first written above.

Approved this 22 day of March 1945. D.L. MAHER CO.

D. L. MAHER CO.

By John J. Riley Co

Purchaser

By Thos. F. Riley

Daniel L. Maher
President

R. L. Walsh
Vice President

48 Hour Test

May 1, 1945

John J. Riley Co.
228 Salem Street
Woburn, Mass.

Gentlemen:

We are enclosing a copy of a forty-eight-hour test conducted on April 26 and 27 in connection with your gravel filter well. The orifice used was a 6x5 and at a 12" reading on the tube the capacity pumped was 420 G.P.M. (at 10", 400 G.P.M.) or an average of 24,600 gallons per hour.

The actual drawdown in the gravel filter well would be 18' at the end of the test when your own Triplex pump was not operating. Subtracting the 3' static (ground) water level from 18' this indicates an actual drawdown of 15' from static (ground) water level when pumping an average of 410 G.P.M. Should you desire 500 G.P.M. (30,000 gallons per hour), the actual drawdown in the well would be between 18 and 19'.

The gravel filter well as installed is 38' deep and we have installed 12' of 24" screen instead of 6' of 24" screen as specified. There is 26' of 24" blank caisson on top of the screen carried up to the top of the well making a total of 38'. The gravel area around the screen and caisson is 15" and 18" respectively.

The well is now complete and when we install the turbine pump at a later date we will arrange to install a concrete seal cover around the pump column. This can only be done after pump has been set in the well.

We would be very glad to assist you in any way we can to complete your entire project and when you have the correct level of your reservoir established we will figure out for you the proper size turbine pump for this application.

Thanking you for this valued business and your co-operation, we remain

Very truly yours,

D. L. MAHER CO.

000195

R. J. Walsh, Field Engineer

JOHN J. RILEY CO.
Pumping Test

6x5

Time	Drawdown Gravel Filter Well	Orifice	Time	Drawdown Gravel Filter Well	Orifice
4/26/45					
3:00 P.M.			4:00 P.M.	20'	10 — 400 G
) — 5:00 P.M.	17' 6"	12	5:00 P.M.	20' [illegible]"	10
6:00 P.M.	16'	12	O — 6:00 P.M.	18' 6"	10
7:00 P.M.	16' 2"	12	7:00 P.M.	16' 8½"	11½
8:00 P.M.	16' 2½"	12	8:00 P.M.	18' 5"	11½
9:00 P.M.	16' 2½"	12	9:00 P.M.	18' 2"	11½
10:00 P.M.	16' 4"	12	10:00 P.M.	18' 5"	11½
11:00 P.M.	16' 2"	12	11:00 P.M.	18' 4"	11½
12:00 M	16' 1"	12	12:00 M	18' 4"	11½
4/27/45			4/28/45		
1:00 A.M.	16' 2"	12	1:00 A.M.	18' 4"	11½
2:00 A.M.	16' 2"	12	2:00 A.M.	18' 4"	11½
3:00 A.M.	16' 3"	12	3:00 A.M.	18' 4"	11½
4:00 A.M.	16' 5"	12	4:00 A.M.	18' 4"	11½
5:00 A.M.	16' 7"	12½	5:00 A.M.	18' 4"	11½
6:00 A.M.	17' 6"	12½	6:00 A.M.	18' 5"	11½
7:00 A.M.	17' 5"	12½	7:00 A.M.	18' 5½"	11½
⊕ — 8:00 A.M.	19' 2"	10	⊕ — 8:00 A.M.	20' 1"	10
9:00 A.M.	19' 2½"	10	9:00 A.M.	20' 8"	10
10:00 A.M.	19' 8"	10	10:00 A.M.	20' 8"	10
11:00 A.M.	19' 10"	10	11:00 A.M.	20' 8½"	10
12:00 N	19' 10"	10	O — 12:00 N	19' 3"	11
1:00 P.M.	19' 10½"	10	⊕ — 1:00 P.M.	19' 2"	11
2:00 P.M.	20'	10	2:00 P.M.	21' 1"	10
3:00 P.M.	20'	10	3:00 P.M.	20' 1"	10

Recovery

	G.F.W.	Test Well
1 min.	14' 9½"	11' 7½"
5 "	11'	10' 8"
10 "	10' 8"	10' 5"
20 "	10' 5"	10' 2½"

O Triplex Pump Stopped
⊕ " " Started
G.F.W. Readings from Top of 24" Casing

000196

JOHN J. RILEY CO.
Pumping Test

Time	Drawdown Gravel Filter Well	Orifice
4/26/45		
3:00 P.M.		
O - 5:00 P.M.	17' 6"	12
6:00 P.M.	16'	12
7:00 P.M.	16' 2"	12
8:00 P.M.	16' 2½"	12
9:00 P.M.	16' 2½"	12
10:00 P.M.	16' 4"	12
11:00 P.M.	16' 2"	12
12:00 M	16' 1"	12
4/27/45		
1:00 A.M.	16' 2"	12
2:00 A.M.	16' 2"	12
3:00 A.M.	16' 3"	12
4:00 A.M.	16' 5"	12
5:00 A.M.	16' 7"	12¼
6:00 A.M.	17' 6"	12½
7:00 A.M.	17' 5"	12¼
⊕ - 8:00 A.M.	19' 2"	10
9:00 A.M.	19' 2½"	10
10:00 A.M.	19' 8"	10
11:00 A.M.	19' 10"	10
12:00 N	19' 10"	10
1:00 P.M.	19' 10½"	10
2:00 P.M.	20'	10
3:00 P.M.	20'	10

Time	Drawdown Gravel Filter Well	Orifice
4:00 P.M.	20'	10
5:00 P.M.	20' ½"	10
O - 6:00 P.M.	18' 6"	10
7:00 P.M.	16' 8½"	11½
8:00 P.M.	18' 5"	11½
9:00 P.M.	18' 2"	11½
10:00 P.M.	18' 5"	11½
11:00 P.M.	18' 4"	11½
12:00 M	18' 4"	11½
4/28/45		
1:00 A.M.	18' 4"	11½
2:00 A.M.	18' 4"	11½
3:00 A.M.	18' 4"	11½
4:00 A.M.	18' 4"	11½
5:00 A.M.	18' 4"	11½
6:00 A.M.	18' 5"	11½
⊕ - 7:00 A.M.	18' 5½"	11½
8:00 A.M.	20' 1"	10
9:00 A.M.	20' 8"	10
10:00 A.M.	20' 8"	10
11:00 A.M.	20' 8½"	10
O - 12:00 N	19' 3"	11
⊕ - 1:00 P.M.	19' 2"	11
2:00 P.M.	21' 1"	10
3:00 P.M.	20' 1"	10

Recovery

	G.F.W.	Test Well
1 min.	14' 9½"	11' 7½"
5 "	11'	10' 8"
10 "	10' 8"	10' 5"
20 "	10' 5"	10' 2½"

000197

O Triplex pump Stopped
⊕ " " Started
G.F.W. Readings from Top of 24" Casing

4/26/45
TEST STARTED
AT
3PM

JOHN J RILEY TEST
WOBURN MASS

	Draw Down G.F.	ORIFICE G.S.		Time	G.P.M.	Test Well	Time	G.P.M.
	Riley Pump Stopped							
5.00 P.M.	17'6"	12		7	16'8½	11½"		
6	16'	12		8	15'5"	11½"		
7	16'2"	12		9	18'2"	11½"		
8	16'2½	12		10	18'5	11½"		
9	16'2½	12		11	15'4	11½		
10	16'4"	12		12	15'4	11½		
11	16'2"	12		4/27/45 1 A.M.	15'4"	11½		
12	16'1"	12		2	15'4"	11½		
4/27/45 1 A.M.	16'2"	12		3	15'4"	11½		
2	16'2	12		4	15'4"	11½"		
3	16'3"	12		5	15'4"	11½		
4	16'5	12		6	15'5	11½		
5	16'7"	12½	⊕	7	15'5½	11½		
				Pump Started 7.30				
6	17'6	12½		8	20'1"	10"		
7	17'5	12½		9	20'5	10"		
Riley pump started								
⊕ 8	19'2	10"		10	20'5	10"	17'4½	
9	19'2½	10"		11	20'3½	10"	17'5	
			O	Riley pump shut down				
10	19'8	10"		12	19'3	11"	15'2	
11	19'10	10"		1 P.M.	19'2	11	15'½	
				Riley pump started 1 P.M.				
12	19'10	10"	⊕	2	20'1"	10	17'9	
1 P.M.	19'10½	10		3	20'1	10	17'9	Test stopped
2	20'	10"		Recovery		Test Well		
				1 min	14'9½	11'7½		
3	20'	10"		5"	11'	10'8		
4	20'	10		10"	10'8	10'5		
				20"	10'5	10'2½		
5 ⊕	20'½	10						
Riley pump stopped 5.30								
O 6	18'6	10						

000198

O TRIPLEX PUMP STOP
⊕ " " STARTED

August 4, 1954

John J. Riley Co.
228 Salem St.
Woburn, Mass.

Re-Turbine Pump
Pulling Pump

Gentlemen:

At the request of Mr. Denis Maher we are submitting to you the following figures in connection with a test which he made on your Turbine Pump.

465 G.P.M. - 70# pressure - 55" on orifice
448 G.P.M. - 75# pressure - 51" on orifice
433 G.P.M. - 80# pressure - 44" on orifice
527 G.P.M. - 60# pressure -

At 50# at shop capacity should be 465 G.P.M. -
At 37# at shop capacity should be 575 G.P.M.

There is approximately 20 to 23# loss in head between Well and Shop, depending on capacity pumped.

Yours very truly,
D. L. Maher Company

Robert J. Walsh

SATURDAY
MAY 14, 1955 TEST

RJW:CMT

G.P.M.	Press	orifice
360 G.P.M -	70#	8"
340 " -	75#	7 1/2"
300 " -	80#	6"
450 "	60#	13"
600 -	50#	24" (Running Test)

Riley Pumps ordered
500 G.P.M - 200' T.D.H
12" - 4 STAGE

000169

Feb. 12, 1945

John J. Riley Company
228 Salem Street
Woburn, Mass.

Gentlemen:

We are enclosing data in connection with your present water supply as computed by Mr. Maher recently. These various meter readings indicate that your peak load Tuesday, the sixth, was between ten A.M. and eleven A.M., 2400 cubic feet (or an average of 300 G.P.M.).

Your average load for Wednesday, the seventh, was 1800 cubic feet (or an average of 230 G.P.M.). The low average for both days was between three and four P.M. Wednesday, the seventh, 1200 cubic feet (or 150 G.P.M.).

The data on your water tank indicates that between nine A.M. and noon there is a lowering of the water level, being approximately 7'.

It is in our opinion that you should have a system which would give you a safe yield of say 400 G.P.M. if same can be developed in your present well field area. In order to determine the feasibility of developing this capacity with our gravel filter well, we would have to drive two test wells; #1 for pumping and rating and #2 for an observation well to determine the drawdown. From this test, we could advise you as to the safe yield you could expect from a gravel filter well.

The price for this test work is based on $3.00 per foot and the average well is forty to fifty feet deep so these test and observation wells would cost approximately $300.

We would be very glad to go into any further detail with you in connection with any phase of this work.

Very truly yours,

D. L. MAHER CO.

R. J. Walsh, Field Engineer

RJW:DW

D. L. MAHER CO.

LOG OF TEST WELL

Log of Well for C. C. Riley Co. Test No. 2

Address [illegible] Texas

Well located at [illegible] in [illegible] County, State of Texas

Date Drilling started July 21 1945 Date Test Hole Completed July 25 1945

Total depth to bottom of Well 28' Diameter Test Hole 2-1/2

Water stands when not pumping 4 feet 10 inches from the surface of the ground.

EACH STRATUM	DEPTH OF STRATA	FORMATION FOUND EACH STRATUM
3	3	Mud [illegible]
15	18'	Mud and [illegible]
5	23	Cemented
15	38	and [illegible]
		to [illegible]

Did Well Clear Up? Yes	
How Long? 10 minutes	
Time Pumped? 8 hours	
Drawdown Ft. 10 In	
Capacity 100	
Time Required for Recovery? 1 minute	
Was Well Pulled? No	
Observation No What Depth? 27'	
Was Observation Well Pulled? No	
Map of Location	

000201

Remarks and opinion of Test This well cleaned out 18' to 23' (Hard well)

Driller N. Porter

Helpers C. Pierce
N. Doherty
R. Martinez

D. L. MAHER CO.

LOG OF TEST WELL

Log of Well for C C Riley Co Test No. #1

Address [illegible]

Well located at [illegible] in [illegible] County, State of [illegible]

Date Drilling started [illegible] Date Test Hole Completed [illegible]

Total depth to bottom of Well 20' 3 Diameter Test Hole [illegible]

Water stands when not pumping 4' feet 10" inches from the surface of the ground.

EACH STRATUM	DEPTH OF STRATA	FORMATION FOUND EACH STRATUM
2	2	[illegible]
1.2	15"	Brown fine sand
5'	10' 3"	Gray fine sand
		To 1 rock.

Did Well Clear Up? [illegible]

How Long?

Time Pumped?

Drawdown Ft. In

Capacity

Time Required for Recovery?

Was Well Pulled?

Observation What Depth?

Was Observation Well Pulled?

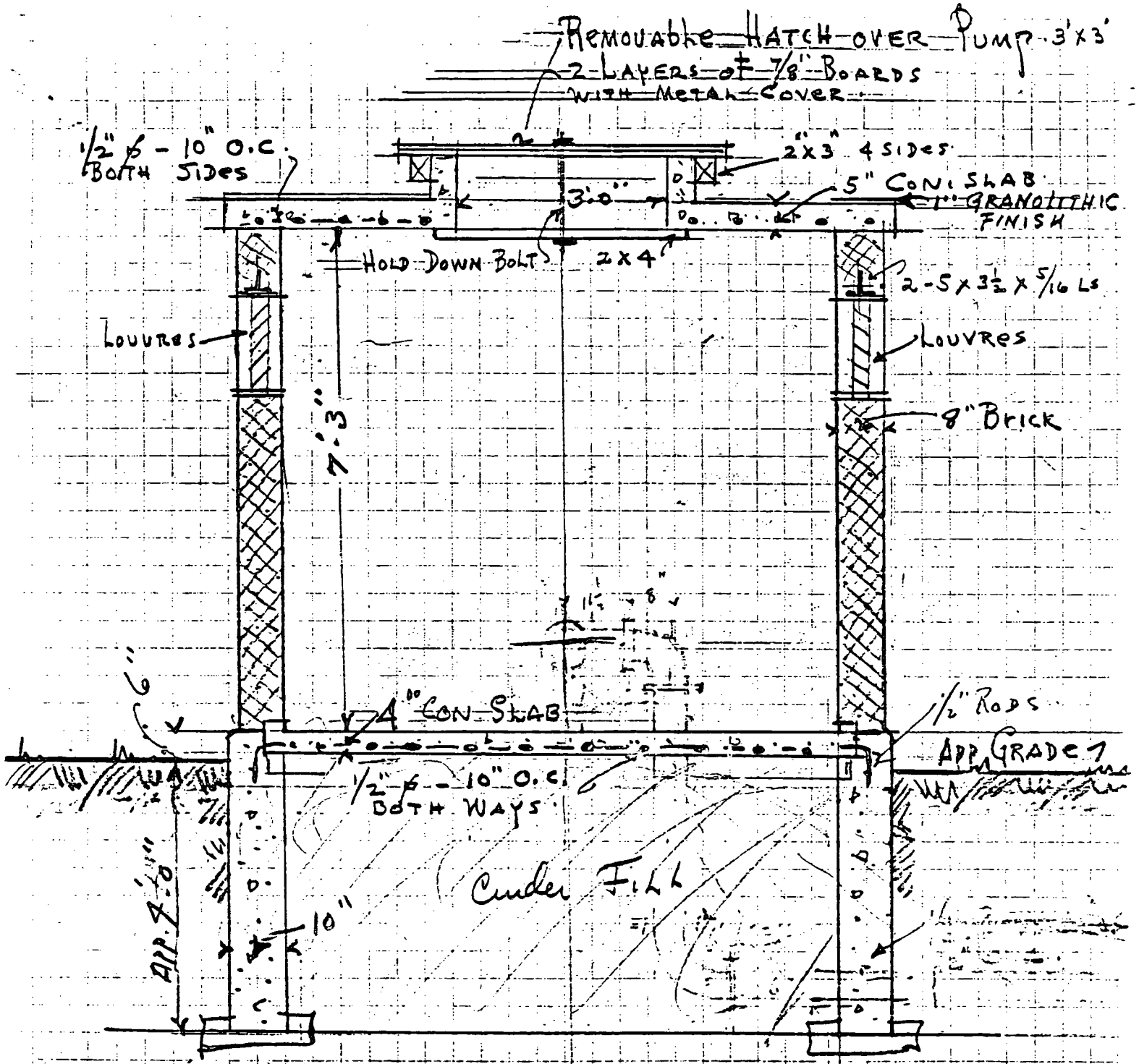
Map of Location

000202

Remarks and opinion of Test

Driller [illegible]

Helpers [illegible]



SECTION THRU A-B

Consolidated Brick Sales Co. John Sullivan

000203

May 3, 1949

John J. Riley Company
228 Salem Street
Woburn, Massachusetts

I N V O I C E

FOR:

Feb. 19..... 2 men, working on pump
26..... 2 men, working on pump and discharge line
27..... 2 men, repairing pump and discharge line
Mar. 1..... 2 men, digging out for seal pipe
5..... 1 man, working on well
Apr. 10..... 2 men, working on well
11..... 3 men, pulling pump & taking it to shop
16..... 3 men, put suction pipe in well, pumped with 6" pump, pulling suction and moving pump out.

Transportation, use of truck and equipment and Mr. Maher's time.

Price.....$ 315.00

J.S.

March 5, 1945

John J. Riley Co.
228 Salem Street
Woburn, Mass.

Gentlemen:

We are submitting herewith a log of test and observation wells as driven by us recently on your property near your present pumphouse.

Test Well #1	
0 - 2'	Loam
2'-15'	Brown medium sand
15'-20'	Gray fine sand to rock
	Tight - did not pump freely.

Test Well #2	
0 - 3'	Mud and loam
3'-18'	Medium sand and gravel
18'-23'	Coarse gravel
23'-38'	Sand and gravel to rock
	Pumped free - 60 G.P.M.
	Observation Well at 37'
	This well tested for both capacity and drawdown.

It is in our opinion that at location #2 we could develop you, with one of our large diameter gravel filter wells, 500 G.P.M. with a safe drawdown andwould run a preliminary test on this well at the above rated capacity for a period of forty-eight hours to determine the actual drawdown on this well.

John J. Riley Co. March 5, 1945

The construction of this well would be as follows: We would use a 60" starter caisson and telescope to a 54" caisson and finish the well with a 48" caisson. Bottom of the well to be approximately 38'.

The screen would be 24" in diameter and approximately 10' in length with a 24" blank caisson attached to same and carried up to the floor of the pumphouse.

We are enclosing a sectionalized drawing showing in detail the construction of this gravel filter well.

We would gladly go into further detail with you regarding any phase of your proposed water system.

We are hoping that you have ironed out the question of locating the well the proper distance from your party line.

May we hear from you?

Very truly yours,

D. L. MAHER CO.

R. J. Walsh, Field Engineer

RJW:DW
Enc.

A. D. COOK, INC.
LAWRENCEBURG, INDIANA

Riley

September 13,1945

John J. Riley Company
228 Salem Street
Woburn, Massachusetts

Attention: Mr. T. F. Riley
Subject: Turbine Pump Order
placed with F.S. Jones

Gentlemen:

Your letter under date of September 4, 1945 relative the above subject matter has been received.

We realize that, no doubt you are disappointed in the fact that we had promised shipment of this pump in August and have been compelled to reschedule to a later date. This is far from our liking, as we are anxious to accommodate each and everyone of our customers insofar as we are able. The facts are; when we are forced to reschedule our orders, it is due to our supplier's inability to produce the delivery of material to us in time to process. No doubt, you are also aware of these handicaps at this time.

Please rest assured that we will do everything within our power to try to meet our last scheduled date, and I am sure that Mr. Jones will do his part to provide your organization with full cooperation with reference to your purchase.

We are taking the matter up with Mr. Jones in regard to the valve, and you will hear from him promptly. Kindly bear with us in regard to this delay, which is beyond our personal control.

We want to thank you for this fine business, and we feel certain that you will be well pleased with our equipment.

Yours very truly,

A. D. COOK, Incorporated

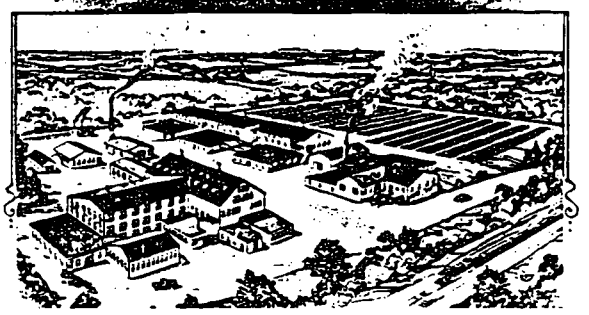
BY:
Robert W. Slee
General Sales Manager

000207

RWS:man

cc: F.S. Jones

JOHN J. RILEY COMPANY
TANNERS



FACTORY: WOBURN, MASSACHUSETTS

PATENT SIDES
SIDE LEATHER
ELK
SPLITS
GLOVE LEATHER

CABLE ADDRESS "RILEACO"

BRANCHES
NEW YORK
PHILADELPHIA
SAINT LOUIS
MILWAUKEE
ROCHESTER
LOS ANGELES
CINCINNATI

MAIN OFFICE
228 SALEM STREET, WOBURN, MASS. U. S. A.

9/5/45
acknowledge
send form
Sec

September 4, 1945.

A. D. Cook Co., Inc.
Lawrenceburg
Indiana

Gentlemen:

We have been informed that we will not receive the turbine pump ordered from you, through your salesman Mr. Frederic S. Jones, until October.

We are quite disappointed, as we were promised this pump in August.

Bob
Note

However, what we should like to mention is that Mr. Jones spoke about a pressure valve for the pump. As we donot know what kind of a valve he had in mind we are asking him to take care of this matter, and to make sure we have the valve here when the pump arrives, so as to prevent further delay in the installation of the pump.

If possible that you could ship along the pump we shall greatly appreciate it.

Very truly yours,

TFR/MLB

John J. Riley Company

Thos F Riley

000208

September 23, 1952

John J. Riley Co.
228 Salem Street
Woburn, Massachusetts

I N V O I C E

FOR: Labor:

June 30, 1952 - 3 men
July 1, 1952 - 3 men

Pulling old pump, cleaning and painting same.

Installed and started new pump.

Price.....$ 148.00

J 200

000209

January 19, 1951

John J. Riley Co.
228 Salem Street
Woburn, Massachusetts

I N V O I C E
Your Order No. 105

FOR:

1 - 12" 4 Stage Cook Deep Well Turbine
Pump No. 7739 - Bronze Impellers.....$ 484.20

2 - 10TR67 1-1/4" x 10-ft. Line Shafts
1 - 10TR614 1-1/4" x 5-ft. Line Shaft
3 - 10TR71 1-1/4" Line Shaft Couplings
1 - 7TR68-43 1-1/4" Head Shaft
3 - Spider Assemblies
1 - TR87RD Packing Box Assembly..... 320.85

1 - Set of Used Pump Bowls cleaned.....No Charge

Having Rewind U. S. Electric Motor, as per invoice as billed to us, enclosed..... 247.41

Total.....$1052.46

9/27

000210

September 13, 1950

John J. Riley Co.
228 Salem Street
Woburn, Massachusetts

I N V O I C E
Your Order No. 105

FOR:

1 - 12" 4 Stage Turbine Pump No. 13249
Curve No. 12TR-39
30 Ft. of 6" FPG Column - 1¼" Shafting
1 - No. 200EZ-6 Head with 6" x 6" Base
1 - 40 HP., 3 phase, 60 cycle, 1760 R.P.M. Motor

Price.....$ 1,680.00

169

000211

John J. Riley Co.
228 Salem Street
Woburn, Massachusetts

I N V O I C E

January 27, 1954

FOR: Labor and Material for pulling Turbine Pump # 12TR-623, and repairing same

Labor.....	$ 85.00
Material:	
Pump Shaft	
Bushings	
Bearings	
Retainers	
Material.....	$ 165.00
Total	$ 250.00

Paid 277 2/20/54

000212

D. L. MAHER CO.

Gravel Wall and
Driven Wells

Municipal
Industrial
Domestic Supplies

38B Brattle Street
Cambridge 38, Massachusetts

Telephones
KIrkland 7-1438
WOburn 2-0049

August 4, 1954

John J.Riley Co.
228 Salem St.
Woburn, Mass.

Re-
Turbine Pump
for Gravel Well

INVOICE

Labor for pulling pump and motor
from Gravel Well

Installing new Pump and putting
same in operation

Labor $150.00

Selice
Q 12
Paid 9/21/54

000213

June 24, 1955

John J. Riley Co.
228 Salem Street
Woburn, Mass.

I N V O I C E

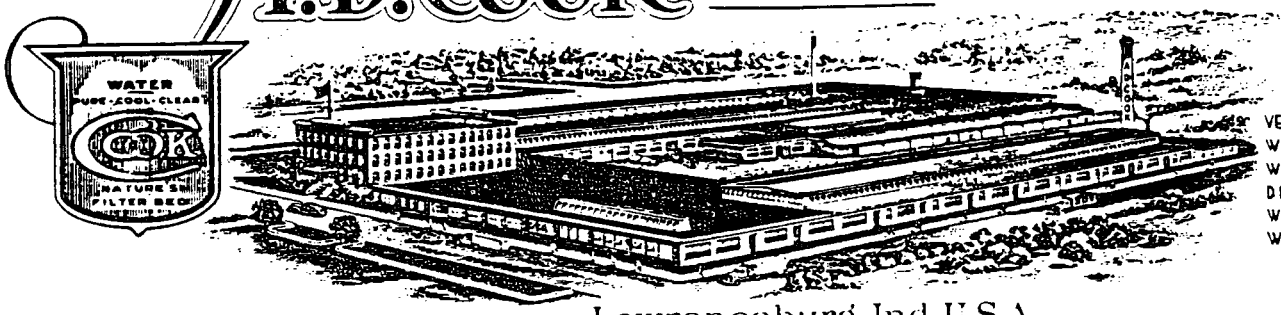
May 14th -- Labor

Installing 6 x 5 Orifice Plate and outside temporary piping for measuring capacity of Gravel Well $ 53.50

Salem
#5
8/3/55

000214

A.D. COOK INCORPORATED



GENUINE COOK

VERTICAL TURBINE PUMPS
WATER SYSTEMS
WELL STRAINERS
DEEP WELL PUMPS
WATER WELL SUPPLIES
WOOD PUMP RODS

Lawrenceburg, Ind. U.S.A.

February 8, 1949

D. L. Maher Co.
38B Brattle St.
Cambridge 38, Mass.

Subject : COOK Turbine Serial No. 7739 - John J. Riley Co.

Gentlemen:

We enclose confirmation of telegram sent you today, in reply to yours of the same date.

We understand from your wire that only a bowl assembly is required. We originally furnished a 12" 4-stage bowl assembly for this turbine, from curve 12TR-37. Our records indicate it was sold for a capacity of 500 GPM, however, the total head is not given, but if you will check this curve you will note the unit will produce 500 GPM at 200-ft. total head, on which we have quoted you. We have recommended that you check with the customer as to the actual requirements before placing an order.

We included a 10-ft. section of 6" FPG column in our quotation as this item is required for connection to the outlet case on the new pump. The old outlet case was for 7" FCG connection.

The list price on the bowl assembly mentioned above is $1100.00, and on the 10-ft. section of column $66.00, or a total list of $1166.00, subject to 50/20% discount, or a net to you of $466.40, f.o.b. Lawrenceburg, with prices in effect at time of shipment applying. Delivery would be two weeks from date of receipt of order.

Yours very truly,

A. D. COOK, Incorporated,

By

T. Zeller
For
Chas. E. Schmidt - Manager
Turbine Sales Division

TZ
Enc.-cc telegram

000215

December 27, 1949

John J. Riley Company
228 Salem Street
Woburn, Massachusetts

Attention: Mr. Thomas F. Riley

Gentlemen:

We are enclosing an invoice for $723.95 for a new Cook Deep Well Turbine Pump, Parts and labor charges in connection with this work. This work was done during the month of May.

Tursting this is satisfactory, we remain

Yours very truly,

D. L. MAHER CO.

Robert J. Walsh
Field Engineer

RJW:MTM
Enc.

C O P Y

D. L. MAHER CO.

Gravel Wall and
Driven Wells

Municipal
Industrial
Domestic Supplies

38B Brattle Street
Cambridge 38, Massachusetts

Telephones
KIrkland 7-1438
WOburn 2-0049

December 27, 1949

John J. Riley Company
228 Salem Street
Woburn, Massachusetts

I N V O I C E

FOR:

1 - 12" 4-Stage Cook Deep Well Turbine Pump
Bronze Impellers - Curve 12-TR-37 ..... $ 438.00

1 - 7TR68-43 1-1/4" Head Shaft 96" Fin. -
12/15 Stainless Steel

3 - 7820 Rubber Bearings
6 - TR84R-3 Retainers
1 - 10TR-92 7" FCG Gasket
1 - 10TR-94 6" FCG Gasket
8 - 10TR 95 6" FPG Gaskets 55.15

New Upper Bracket and Oil Retaining Tube
U.S. Motor No. 478664 ..... 86.80

Labor for pulling old pump and installing new pump
Labor for concrete slab for pump base
Labor for cleaning and painting discharge 144.00

Total ..... $ 723.95

000217

May 3, 1949

John J. Riley Company
228 Salem Street
Woburn, Massachusetts

Attention: Mr. Thomas F. Riley

Gentlemen:

We are enclosing an invoice for $315.00 for work done in connection with your pump and gravel filter well. This work was done during February, March and April.

Trusting this is satisfactory, we remain

Yours very truly,

D. L. MAHER CO.

Robert J. Walsh
Field Engineer

RJW:MTM
Enc.

June 20, 1945

A. D. Cook, Inc.
Lawrenceburg
Indiana

Attention Mr. Downs and Mr. Morgan

Gentlemen: Re: Our order for John J. Riley Co.
Your letter June 15th.

While Mr. Jones is in Boston and we have already discussed this job and your letter with him, it appears adviseable that we air mail a letter to you on the subject. So let us relate the story of this proposition, and detail to you the transaction.

Mr. Jones was here and figured this job and with us when we sold it. A few days passed before the priority was settled and we could send in the order.

The next on Mr. Jones return from factory trip he called us and stated it would be necessary to change the shafting to all stainless steel in place of just the head shaft which had been figured also that he had overlooked adding for non-reverse ratchets in motor. He advised us by changing to screw joint column and using 12-15 chromium shafting that the change including back spin ratchet would add $51.98 to our cost of $997.80, making our cost $1,049.78. We O.K'd. this addition to Mr. Jones and he sent us a detailed estimate sheet with prices. We simply cannot go to John J. Riley Co. and ask for more money and decided to absorb this additional cost.

Now your letter of June 15th asking for an additional cost of $36.10.

As stated before, we cannot go to our customer and get more money for this job and, under the circumstances, if this $36.10 has to be added we will simply have to absorb it ourselves and if you insist on it we hereby agree to same to make our cost $1,085.88 in place of $1,049.78 BUT we do not think it at all fair.

A. D. Cook, Inc. June 20, 1945

However, your letter of June 15th and part estimate sheet is very vague. First you put no prices other than total net price on estimate sheet so that we cannot check it against Mr. Jones revised estimate of June 2d, in addition in your letter you give us no reasons why Mr. Jones revised estimate of June 2d is not in order.

Frankly it appears to us that you and Mr. Jones should get together so that prices we get through Mr. Jones will be accepted on orders we may send in.

We find it adviseable to operate through Mr. Jones because we do get prompt service from him while with letters and telegrams we send to Lawrenceburg we sometimes get replies days later and sometimes no replies.

Let us go back for a minute to this particular order. Our order was sent in on May 31st and Mr. Jones called us late Saturday night, June 2d, on his return from the factory and on June 4th we called Mr. Jones and O.K'd. the addition while now it is June 20th and your letter of June 15th are we to understand that the order is not yet entered in the wheels of progress for twelve to fourteen weeks shipment from the time order was received at factory.

We want you to take into consideration the fact that the original inquiry on this job was sent to you under date of March 9th to which you did not reply and on March 19th we had to wire you and on the 20th you wired us price of $922.00 and confirmed it on the 20th.

We used this price in making up our general estimate and secured the well job. When well was completed and Mr. Jones was here and we were ready to settle pump question Mr. Jones did not favor the enclosed shaft pump on account of short setting with heavy discharge head so changed it over to open shaft and went with us to John J. Riley Co. and overcame one of the Riley's preference for F.M. unit also worked with power company and secured approval for 40 H.P. in place of 30 HP. So if we had used your original figure of $922.00 and added for 40 H.P. we would still be under $1,000.00.

Very truly yours,

D. L. MAHER CO.

R. J. Walsh, Field Engineer

RJW:DW
cc - F. S. Jones

R. 1c-1

May 31, 1945

A. D. Cook, Inc.
Lawrenceburg
Indiana

Gentlemen: Attention Mr. Frederic S. Jones

Would you kindly enter our order for the John J. Riley Company pump, which you visited their plant the last time you were on here, and your estimate sheet is as follows:

1 - 12" four-stage pump Curve 12TR37
500 G.P.M. - 204' head--setting 30' of
FPG type 6" flanged column
1½" line shaft
1 - 8" Rubbish strainer
Head 12A6 - 40 h.p. - 1760 R.P.M.
Discharge flanged for 6" pipe.
Additional for stainless steel head shaft.
Electric control size IV starter #CI
separate start and stop

- Col to fit present Base

Pump price		$903.18 Net
Control price		94.62 "
	Total	$997.80

Motor characteristics 3 phase, 60 cycle, 220 volts.

As I recall it, we gave them the usual twelve to fifteen weeks shipping date.

They had an engineer from the War Production Board go out to their plant and look at the condition of their present pump and they gave them the following priority which they have forwarded to us with their order: AA-3, Field Case #44112. If this priority is not what you require advise us immediately.

Very truly yours,

D. L. MAHER CO.

R. J. Walsh, Field Engineer

000221

RJW:DW

V

April 17, 1950

John J. Riley Company
228 Salem Street
Woburn, Massachusetts

INVOICE

FOR: Turbine Pump No. 7739

1 - 4 Stage Pump Bowl Assembly complete, Curve No. 12TR-37

1 - 10-ft. length of setting consisting of 6" FPG Column with 1-1/4" Stainless Steel Shaft.

1 - Complete Packing Box Assembly.....	$ 565.00
1 - Set of Rubber Bearings	14.00
1 - 6" x 6" Rensselaer Check Valve	125.00
Labor for installing check valve, 2 men	16.00
Total.....	$ 720.00

000222

April 17, 1950

John J. Riley Company
228 Salem Street
Woburn, Massachusetts

Attention: Mr. Thomas F. Riley

Subject : Turbine Pump No. 7739

Gentlemen:

We are enclosing an invoice for parts for the A. D. Cook Turbine Pump No. 7739 in accordance with our letter of February 14, 1950 and your Order #275 dated February 17, 1950, price $565.

We also had to order one complete set of rubber bearing for this pump which was not included, price $14.00.

We were advised by Mr. Maher to order one 6" x 6" Rensselaer flanged end check valve which we installed on April 1, 1950, price for check valve $125.00 and installing same $16.00

Trusting this is satisfactory.

Yours very truly,

D. L. MAHER CO.

Robert J. Walsh
Vice-President

RJW:MTM
Enc.

D. L. MAHER CO.

DAILY TIME REPORT

[illegible]

Date	Name	Hours	
	[illegible]	8 1/2	Relay Drilling [illegible] well 4 1/8"
	[illegible]	8 1/2	& stuck
	[illegible]		
	[illegible]	8 1/2	Picked up hammer at [illegible]
	[illegible]	8 1/2	[illegible] [illegible] & [illegible]
			[illegible]

Comments:

Equipment and material moved on or off job

material needed

000224

D. L. MAHER CO.

DAILY TIME REPORT

J. L. Reilly Co Feb 21 1945

te	Name	Hours	
	N Porter	8 1/2	✓ Developing Test well #2
	C Pierce	8 1/2	✓ Pump all the way down to 35' looks like a good well

Comments:

Equipment and material moved on or off job

Equipment and material needed

060225

D. L. MAHER CO.

DAILY TIME REPORT

Shop

Feb. 22, 1945

Date	Name	Hours	
	J. Doherty	9	Raining; worked at shop
	J.		and went to Boston for
	F. M. Howard	9.	pump.
	J. Doherty		Friday Feb. 16: Sick with Cold
			Sat. Visited N. Portland
			Bridge.

Comments:

Equipment and material moved on or off job

Equipment and material needed

000226

D. L. MAHER CO.

DAILY TIME REPORT

N Reading + A L Riley Feb. 17 1945

te	Name	Hours	
	N Porter	8½	✓ Shoveling ammo at Reading
	R Martin	8½	✓ 2 hours
	N Doherty	8½	✓ Shoveling ammo + unloading in rear at Riley's

Comments:

Equipment and material moved on or off job

Equipment and material needed

000227

D. L. MAHER CO.

DAILY TIME REPORT

N Reading + A Riley Feb 17 1975

ate	Name	Hours	
	N Porter	8 1/2	✓ Shoveling snow at Reading
	R Meeker	8 1/2	✓ 3 hours
			Testing at Riley Test #1
			20' 6" fine brown sand
			To moist

Comments:

Equipment and material moved on or off job

Equipment and material needed

000228

D. L. MAHER CO.

DAILY TIME REPORT

L L Riley Co — Feb 23 1945

Date	Name	Hours	
	T. Potter	4 1/2	Trashing out well
	R. Pierce	4 1/2	

Comments:

Equipment and material moved on or off job

Equipment and material needed

000229

D. L. MAHER CO.

DAILY TIME REPORT

[illegible] & Reading Feb 2 v 1955

te	Name	Hours	
	D. Potter	9	✓ Trucking 2½" pipe [illegible]
	C. Pierce	9	job D. Reading & [illegible]
			Pumping well at Riley's

Comments:

Equipment and material moved on or off job

Equipment and material needed

000230

D. L. MAHER CO.

DAILY TIME REPORT

A J Riley Co Feb 25 1945

Date	Name	Hours	
	C Pierce	8	Pumping Test
			Pumped 60 GPM with 10" DD

Comments:

Equipment and material moved on or off job

Equipment and material needed

000231

D. L. MAHER CO.

DAILY TIME REPORT

Wiley

April 9 1945

Rate	Name	Hours	
	F Capone	9	✓ Trucked plantform
	F Dibertin	9	✓ and set plantform
	B Magee	9	✓
	C Reeves	9	✓

Comments:

Equipment and material moved on or off job

Equipment and material needed

000232

D. L. MAHER CO.

DAILY TIME REPORT

wiling

April 10 1945

Rate	Name	Hours	
	L Capan	9	✓ finish polishing to wiling
	J. Roberts	9	✓ put spaller together
	R. Magee	9	✓
	C. Nieves	9	✓

Comments:

Equipment and material moved on or off job

Equipment and material needed

D. L. MAHER CO.

DAILY TIME REPORT

Riley april 11 1975

te	Name	Hours	
	J Doherty	9	√ dug dead men and
	B. magee	9	√ pulled up poles.
	C pierce	9	√

Comments:

Equipment and material moved on or off job

Equipment and material needed

000234

J.L.	Ridley Co	Jow	9	
	N Porter		9 ✓	
	A McCherney		9 ✓	
	D O'Brien		9 ✓	

Observation What Depth?

1946

Was Observation Well Pulled?

✓

Map of Location

installing pipeline in pumphouse

Remarks and opinion of Test .....

Driller .....

Helpers .....

000235

D. L. MAHER CO.

LOG OF TEST WELL

Log of Well for J J Ricley Co Test No. Jan 10 1946

Address

Well located at in County, State of

Date Drilling started Date Test Hole Completed

Total depth to bottom of Well Diameter Test Hole

Water stands when not pumping feet inches from the surface of the ground.

EACH STRATUM	DEPTH OF STRATA	FORMATION FOUND EACH STRATUM	
	7	Potter 9½	Did Well Clear Up? ✓
	8	McElhenny 9½	How Long? Setting pump & fitting
			Time Pumped?
			Drawdown Ft. In
			Capacity
			Time Required for Recovery?
			Was Well Pulled?

000236

D. L. MAHER CO.

LOG OF TEST WELL

Log of Well for J J Riley Co Test No. Jan 11 1970

Address

Well located at in County, State of

Date Drilling started Date Test Hole Completed

Total depth to bottom of Well Diameter Test Hole

Water stands when not pumping feet inches from the surface of the ground.

EACH STRATUM	DEPTH OF STRATA	FORMATION FOUND EACH STRATUM	
n	Porter	4 ✓	Did Well Clear Up?
a	Tri c Blening	9 ✓	~~How Long?~~ Test not pumped,
			Time Pumped? Tot water bearing
			Drawdown 11 Ft. Infinity
			Capacity
			Time Required for Recovery?
			Was Well Pulled?

000237

D. L. MAHER CO.

DAILY TIME REPORT

May 2 Concord – Riley Leather Co.

Name	Hours	
Donnell	9	Digging well for Frame
Donnelly	9	

Comments

Equipment and material moved on or off job

Equipment and material needed

D. L. MAHER CO.

DAILY TIME REPORT

Riley

april 12 1945

ate	Name	Hours	
	L Ciarone	9½	set 18 feet of 6 ⌀
	B. Magee	9½	jinks Cassisone and
	C Pierce	9½	dug 14 feet.

Comments:

Equipment and material moved on or off job

Equipment and material needed

000239

D. L. MAHER CO.

DAILY TIME REPORT

R. ibey

april 12 1945

ate	Name	Hours	
	I Capone	9	✓ drs. 3 feet ines 60 inches
	B Magee	9	✓ caissons
	C Pierce	9	✓

Comments:

Equipment and material moved on or off job

/

Equipment and material needed

000240

D. L. MAHER CO.

DAILY TIME REPORT

Riley

april 14 1945

ate	Name	Hours	
	E Capone	9	✓ set up 34 feet of 24 inch
	B Drager	9	✓ occasional clay 2 feet
	C Rivera	9	✓

Comments:

Equipment and material moved on or off job

Equipment and material needed

000241

D. L. MAHER CO.

DAILY TIME REPORT

Riley, April 16 1945

ate	Name	Hours	
	I Crosse	9	✓ dug 2 feet in 24 inch
	B Magee	9	✓ radius
	C Pierce	9	✓
	J Chretien	9	✓

Comments:

Equipment and material moved on or off job

Equipment and material needed

000242

D. L. MAHER CO.

DAILY TIME REPORT

Dike

April 17, 1995

Date	Name	Hours	
	[illegible]	9½	[illegible]
	[illegible]	9½	[illegible]
	[illegible]	9½	✓
	[illegible]	9½	✓

Comments:

Equipment and material moved on or off job

Equipment and material needed

000243

D. L. MAHER CO.

DAILY TIME REPORT

Riley

April 15 1944

Date	Name	Hours	
	F. Capone	9 1/2	✓ plug 10 feet in 48 inch
	B. Magee	9 1/2	✓ cashiers
	C. Pierce	9 1/2	✓

Comments:

Equipment and material moved on or off job

Equipment and material needed

000244

D. L. MAHER CO.

DAILY TIME REPORT

Riley

april 19 1994

Rate	Name	Hours	
	L Capone	9½	√ sets 36 feet of 24 inch
	B magee	9½	√ cassisons dug 4 feet
	C Pierce	9½	√

Comments:

Equipment and material moved on or off job

Equipment and material needed

D. L. MAHER CO.

DAILY TIME REPORT

Riley

april 20 1945

Rate	Name	Hours	
	L Crane	9	✓ plus 5 feet in 24 inches
	B magee	9	✓ cassions
	C Pierce	9	✓

Comments:

Equipment and material moved on or off job

Equipment and material needed

000246

D. L. MAHER CO.

DAILY TIME REPORT

Riley

april 21 1945

ate	Name	Hours	
	L. Carone	9	✓ dug 7 feet ins 40 inch.
	B Magee	9	✓ psuisms
	F McGuiam	9	✓

Comments:

Equipment and material moved on or off job

Equipment and material needed

000247

D. L. MAHER CO.

DAILY TIME REPORT

Riley

April 23 1975

ate	Name	Hours	
	L Carone	9	Plug 1 foot in 48 inch
	C Pierce	9	Caissons painted 30
	J Dibartolo	9	feet of 24 inch caissons
			and shoveled off platform

Comments:

Equipment and material moved on or off job

Equipment and material needed

000248

D. L. MAHER CO.

DAILY TIME REPORT

Riley

April 24 1945

te	Name	Hours	
	I Carone	10	✓ gouged 17 feet in 48
	B magee	10	✓ jimmies cassion
	J Dolittle	10	✓ pulled 12 feet of cassin
	C Pierce	10	✓

Comments:

Equipment and material moved on or off job

Equipment and material needed

000249

D. L. MAHER CO.

DAILY TIME REPORT

Riley

April 25 1945

Date	Name	Hours	
	B. Magee	9	√ graveled 18 feet in
	J Doherty	10	√ 60 inch culvert pulled
	C Pierce	9	√ culverts 6 feet.

Comments:

Equipment and material moved on or off job

Equipment and material needed

000250

D. L. MAHER CO.

DAILY TIME REPORT

Riley April 26-1990

Date	Name	Hours	
	L Capone	9	gravelled 7 feet in
	B magee	13	60 inches conditions
	J Doherty	12½	pumping fin well

Comments:

Equipment and material moved on or off job

Equipment and material needed

D. L. MAHER CO.

DAILY TIME REPORT

April 27, 1945

te	Name	Hours	
	L Doherty Jr	9 1/2	✓ Pumping Test at Riley's
	J		Nobelong
	R. Magee	10	✓

Comments:

Equipment and material moved on or off job

Equipment and material needed

000252

D. L. MAHER CO.

DAILY TIME REPORT

April 28, 1945

te	Name	Hours	
	J Doherty	12	✓ Pumping Test at Rulejo Wellfield
	R Magee	13	✓

Comments:

Equipment and material moved on or off job

Equipment and material needed

000253

D. L. MAHER CO.

DAILY TIME REPORT

April 30, 1945

te	Name	Hours	
	J. Doherty	9	✓
	J.		Agitating well at Ruleys &
	R. Magee	9	✓
			moving rig to shop
	F. McGowan	9	✓

Comments:

Equipment and material moved on or off job

Equipment and material needed

000254

D. L. MAHER CO.

DAILY TIME REPORT

May 1, 1945

te	Name	Hours	
	J. Doherty	9	Salvaging down poles at Rubin, and stock pump to Boston
	R. Magee	9	also load to shop.
	F. McGowan	9	✓

Comments:

Equipment and material moved on or off job

Equipment and material needed

000255

D. L. MAHER CO.

DAILY TIME REPORT

Riley Bros. Jan 5

e	Name	Hours	
	Foley	9	✓ Installing pump
	Kelley	9	✓
	Dowell	9	✓

Comments:

Equipment and material moved on or off job

Equipment and material needed

000256

D. L. MAHER CO.

DAILY TIME REPORT

Jan 5, 1946

te	Name	Hours	
	J. Doherty		Relief shop in morning
	Relief	4 1/2	went to Needham afternoon
	Needham	4 1/2	brought home load

Comments:

Equipment and material moved on or off job

Equipment and material needed

000257

225 Salem St.

D. L. MAHER CO.

DAILY TIME REPORT

Billed to J. J. Reley Co. Feb. 14, 1957

Name	Hours	
Rebuilt Pump Bowles ✓		
-5' length of Column Cleaned & Painted		
Spiders with New Rubber Bearings		
- Shaft Couplings		
New Shaft A Needle Bearing		$37.00
		1/4" dia X 57" lon
	Mar 20 '56	S. Steel
3 Spiders —	Repairs	$35.56
3 Rubber Bearings —	Labor Cost	17.00
Col Cleaned & Painted -		
Rebuilt Pump Bowls		

Comments

Equipment and material moved on or off job

Equipment and material needed

$144.56 5/31/57

000258

1955

D. L. MAHER CO.

DAILY TIME REPORT

July 5 - Riley Lockhart Co

Date	Name	Hours	
	O'Donnell	9	Pulling pump
	Murphy	8	
	Read	9	

Comments

Equipment and material moved on or off job

Labor 151.00 - 302

Equipment and material needed

material 30.00 (30) — 40

Mr Maher time — 25

367.

000259

D. L. MAHER CO.

DAILY TIME REPORT

Riley Leather July 7, 1955

te	Name	Hours	
	O'Donnell	5	
	Murphy	4	Cleaning Pump. Took two
	Rosa	5	sections to machine shop

Comments

Equipment and material moved on or off job

Equipment and material needed

000260

D. L. MAHER CO.

DAILY TIME REPORT

Riley Lentter Co July 8, 1955

te	Name	Hours	
	O'Donnell	4	Starting to set pump
	Doherty	4	
	Mackey	4	

Comments

Equipment and material moved on or off job

Equipment and material needed

000261

D. L. MAHER CO.

DAILY TIME REPORT

Sat. 7/9/55

Rate	Name	Hours	
	Charles Mackey	9	Woburn Job (Riley's)
	M. Doherty	9	" " "

Comments

Equipment and material moved on or off job

Equipment and material needed

000262

D. L. MAHER CO.

DAILY TIME REPORT

July 11 - Riley Leather

Date	Name	Hours	
	Donnell	5 ✓	Painting pump base & motor
			Running test on pump.
			Pumps 500 g.p.m. against
			219 ft. head.
			Dedham - White Lodge
	Donnell	4 ✓	Set in 500 gal. tank.
	Doherty	4 ✓	

Comments

Equipment and material moved on or off job

Equipment and material needed

000263

D. L. MAHER CO.

DAILY TIME REPORT

July 6 - Riley Feather 1954

Name	Hours	
Dowell	12	Pulling Bungs resulting it
Young	9	
Dougherty	8	
Lewis	3	
		90.00
		12 - 1.70 — $20.40
		9 — 1.70 — 15.30
		18 — 1.45 — 15.95
		51.65 - July 6
		Drum — 16.00
		8.00
		75.65

Comments

Equipment and material moved on or off job 5

Equipment and material needed 10

10 Hours x 1.60

5 Hrs x 1.60

COST 150

000264

D. L. MAHER CO.

July 7. 1954

DAILY TIME REPORT

1954

Name	Hours	
[illegible]	5 ✓	Riley
~~J. Spoonig~~	~~4~~ ✓*	~~working in Country Club~~
		*(filed under "Woodland Country Club"
[illegible]	5 ✓	working at Riley.
	2	2

Comments

5 X 1.45 = 7.25

5.145 7.21

14.40

Equipment and material moved on or off job

Equipment and material needed

0001265

D. L. MAHER CO.

DAILY TIME REPORT

July 24, 5-4

Name	Hours	
W. Porter	8	Work
L. Dalbaugh	4	"
J. Wendel	4	"
R. Ralph	5	"
L. Allison	6	"
L. Young	5	Riley's Chief J.J.

Comments

Equipment and material moved on or off job

Equipment and material needed

000266

Wm J. Riley Co.

D. L. MAHER CO.

DAILY TIME REPORT

Riley & Tanning

Mar. 14. 1955

Date	Name	Hours	
	L. Capone		Desired of pumping of big needle
			6 to 5
		TIME	orifice pressure
		10	31 lbs
		11	31
		NOON 12	31
		1	31
		2	31
		3	31
		4	pressure 31 6 hours

Comments

Equipment and material moved on or off job

Equipment and material needed

000267

D. L. MAHER CO.

DAILY TIME REPORT

Ridgs / Wabum — May 14, 1955

Name	Hours	
L. Capone	8 ✓	Back up office 6 to 5
T. Humphrey	3 ✓	pump office
		pump 6 hours
		office 23 strokes
		pump 5.90 G.P.M
L. Capone	1	at shop Clyde on porter-o-tum

Comments

Equipment and material moved on or off job

Equipment and material needed

000268

D. L. MAHER CO.

DAILY TIME REPORT

May 31 Concord

e	Name	Hours	
	Donnell	9	Driving well for farm
	Donnelly	9	

Comments

Equipment and material moved on or off job

Equipment and material needed

000269

D. L. MAHER CO.

DAILY TIME REPORT

Riley Landau — May 13 1949

Rate	Name	Hours	
	O'Donnell	2	Scraping and wire brushing
	Carpenter	2	dusting + painting check

Bills for Repairs
$ 72.50

Comments

$1.00 Repairs
$ 4.10
24.21
20.00

Equipment and material moved on or off job

72.50
$153.23

Equipment and material needed

000270

D. L. MAHER CO.

DAILY TIME REPORT

May 14-49 - Riley Leather

Date	Name	Hours	
	O'Donnell	5	Putting new parts in pump
	Carpenter	5	
	Young	5	Brought pump to Milbourn machine to have new holes drilled in top flange to make it fit old adapter
			Shop
	O'Donnell	4	General Shop work
	Carpenter	4	
	Young	4	

Comments

Equipment and material moved on or off job

Equipment and material needed

000271

D. L. MAHER CO.

DAILY TIME REPORT

Riley Lea. May 16, 1949

Rate	Name	Hours	
	O'Donnell	4	Setting pump
	Carpenter	4	

Comments

Equipment and material moved on or off job

Equipment and material needed

000272

D. L. MAHER CO.

DAILY TIME REPORT

Relin Leather May 17, 1949

Rate	Name	Hours	
	J. O'Donnell	5	Setting Pump
	Carpenter	9	

Comments

Equipment and material moved on or off job

Equipment and material needed

000273

D. L. MAHER CO.

DAILY TIME REPORT

Rebuilding Lea. May 18, 1969

Rate	Name	Hours	
	Carpenter	8	removing motor and installing
			our motor working on
	Young	5	their motor at Shop.

Comments

Equipment and material moved on or off job

Equipment and material needed

000274

D. L. MAHER CO.

DAILY TIME REPORT

John O Rile May 31 1949

Rate	Name	Hours	
	G Dennell	4	Making slab for pump
	Cardinale	4	house

Comments

Equipment and material moved on or off job

Equipment and material needed

000275

D. L. MAHER CO.

DAILY TIME REPORT

Oct. 19-49 - Riley Lease

Date	Name	Hours	
	Donnell	9	Working on Riley pump
	Tougill	9	house

Comments

Equipment and material moved on or off job

Equipment and material needed

000276

D. L. MAHER CO.

DAILY TIME REPORT

Feb. 27-49 - Railby Leather

ate	Name	Hours	
	Bonnell	8	Repairing pump + discharge line
	Doherty	8	

Comments

Equipment and material moved on or off job

Equipment and material needed

000277

D. L. MAHER CO.

DAILY TIME REPORT

Feb. 26-49- Pickby Leathes

Rate	Name	Hours	
	Donnell	9	Working on pumps & discharge
	Doherty	9	line

Comments

Equipment and material moved on or off job

Equipment and material needed

000278

D. L. MAHER CO.

DAILY TIME REPORT

J. Riley — Dec. 1 19[illegible]

Rate	Name	Hours	
	[illegible]	9	digging out [illegible] pipe
	[illegible]	9	" "

Comments

Equipment and material moved on or off job

Equipment and material needed

000279

D. L. MAHER CO.

DAILY TIME REPORT

March 5 1949

ate	Name	Hours	
	Carpenter	9	Working on Riely well

Comments

Equipment and material moved on or off job

Equipment and material needed

000280

D. L. MAHER CO.

DAILY TIME REPORT

April 10-49 - Riley Canning

Date	Name	Hours	
	O'Donnell	4	Working on Riley Canning
	Carpenter	4	pump.

Comments

Equipment and material moved on or off job

Equipment and material needed.

000281

D. L. MAHER CO.

DAILY TIME REPORT

April 11-49- Riley Lanning

Rate	Name	Hours	
	Donnell	9	Pulling pump & tubing
	Carpenter	9	at Lo Sloop
	Langill	9	
		Lowell	
	Pettypas	9	Pulling wells

Comments

Equipment and material moved on or off job

Equipment and material needed

000282

D. L. MAHER CO.

DAILY TIME REPORT

April 16 1949

Rate	Name	Hours	
	Carpenter	9	
	Pettipes	9	Reilly Leather putting suction pipe in well and pumping with 6" pump pulling suction and moving pump out
	Porter	5	
	~~Porter~~	~~4~~	~~Essex job~~

Comments

Equipment and material moved on or off job

Equipment and material needed

000283

D. L. MAHER CO.

DAILY TIME REPORT

Peter Lee April 18 1949

Rate	Name	Hours	
	Desmond	3	Pitman Gang & Abutment

Comments

Equipment and material moved on or off job

Equipment and material needed

000284

D. L. MAHER CO.

DAILY TIME REPORT

Jakes Riley Leather April 18 1989

Rate	Name	Hours	
	Diamond	3	Returning pump to Aberdeen

Comments

Equipment and material moved on or off job

Equipment and material needed

000285

D. L. MAHER CO.

DAILY TIME REPORT

March 21 1950 — Riley Co

Date	Name	Hours	
	M Fale	5½	Changing Heaters at Riley Co
	F. Carpenter	5½	
	J Landy	2	

Comments

Equipment and material moved on or off job

Equipment and material needed

000286

D. L. MAHER CO.

DAILY TIME REPORT

April 1, 1950 — Pilot Zero

Rate	Name	Hours	
	F. Carbonetto	3	Installed valve at
	J. W. O'Donnell	3	Pilot.

Comments

Equipment and material moved on or off job

Equipment and material needed

000287

D. L. MAHER CO.

DAILY TIME REPORT

July 6-50 Riley Leathers

Name	Hours	
O'Donnell	9	Pulling pumps Cleaned
Longill	8	Columns & planted Clean Tools
Young	8	Shafts to Jno. Cochran Machine

Comments

Equipment and material moved on or off job

Equipment and material needed

000288

D. L. MAHER CO.

DAILY TIME REPORT

July 10-50 Riley

Name	Hours	
Donnell	10	Setting pumps.
Langill	9	
Young	9	

Comments

Equipment and material moved on or off job

Equipment and material needed

D. L. MAHER CO.

DAILY TIME REPORT

[illegible] Pipe Co. — Oct. 21 1950

Name	Hours	
J. Patton	4	Pulled motor to install gasket
F. Cahoon	4	in stuffing box
W. Pitts	4	
Lowell & Alan	1	Co-Operative
J. Patton	6	Pulled 1½" pump to
F. Cahoon	5	Installed 2" pump
W. Pitts	5	

Comments

Equipment and material moved on or off job

Equipment and material needed

000290

D. L. MAHER CO.

DAILY TIME REPORT

July 22 1950

Name	Hours	
Carpenter	8	6 hrs Reily's Changing motor 2 hrs Shop
Foley	6	Reilys

Comments

Equipment and material moved on or off job 15 Miles Out Reading

Equipment and material needed

000291

D. L. MAHER CO

DAILY TIME REPORT

Name	Hours	
John L. Riley pump		Woburn Mass
Pulled		(pump Serial # - 7739)
		order No 10203
12TR -		a D Cook Pump -
4 STAGE		
1 - pump shaft	1 1/4"	
all bushings	In	Pump
1 Complete Stuff		Box
Set 1 of Rubber		Bearings

Comments 1 Retainers for Rubber Bearings

Equipment and material moved on or off job

Equipment and material needed

000292

D. L. MAHER CO.

DAILY TIME REPORT

July 1 - Friday

Name	Hours	
Ottmer	9	Installed new pump +
Cyprus	8	got it running.
Potter	8	

Comments

Equipment and material moved on or off job

Equipment and material needed

000293

D. L. MAHER CO.

DAILY TIME REPORT

J. J. Riley Co. Aug. 21, 1952

Name	Hours	
J. O'Donnell	2	Pump Broke down
F. Carpenter	1	Going to Riley's to check matter with Jackie Carlson

Comments

Equipment and material moved on or off job

Equipment and material needed

000294

D. L. MAHER CO.

DAILY TIME REPORT

June 30 - Relays

Name	Hours	
Donnell	9	Pulling old pump & cleaning
Cyrone	8	& painting yd
Porter	8	

Comments

Equipment and material moved on or off job

Equipment and material needed

000295

D. L. MAHER CO.

DAILY TIME REPORT

Shop

Jan 3, 1957

L Capone	4	Taking Riley Pumps apart
W Courtney	3	

Comments

Equipment and material moved on or off job

Equipment and material needed

000296

EXHIBIT
Maher #7
1.15.86 VTN
13 pages

000326

D. L. MAHER CO.

P.O. BOX 204 • WOBURN, MASS.

933-3210

INVOICE

No. [illegible]

INVOICE DATE	[illegible]
OUR ORDER NO.	[illegible]
YOUR ORDER NO.	
TERMS	F. O. B.
SALESMAN	
SHIPPED VIA	PPD. OR COLL.

J. J. Riley Company
Salem St.
Woburn, Mass. 01801

SHIPPED TO

QUANTITY	DESCRIPTION	PRICE	AMOUNT
1	4 1/2" Direct reading Dwyridum gauge		17.00
	Machine Work:		
1	Sub 1 1/4 coupling and cut new key way		12.00
	Shop Hrs		
4 man hrs.		[illegible]	[illegible]

Pd 4/15/69

JOHN J. RILEY COMPANY
WOBURN, MASSACHUSETTS 01801

DATE	REFERENCE	AMOUNT	BALANCE	DISCOUNT
APR 11 69	4,467	794.08	794.08	

NCR PAPER PATENTED BY NCR CO.

000327

CS-8261

REMITTANCE ADVICE

D. L. MAHER CO.

P.O. BOX 274 • WOBURN, MASS.

933-3210

INVOICE

No. [illegible]

INVOICE DATE	[illegible]
OUR ORDER NO.	[illegible]
YOUR ORDER NO.	
TERMS	F.O.B.
[illegible]	
SALESMAN	
SHIPPED VIA	PPD. OR COLL.

[illegible]. [illegible] Pilot Company
[illegible]
Woburn, Mass. 01801

PPED TO

QUANTITY	DESCRIPTION	PRICE	AMOUNT
	3/7/80 Set pump up to discharge head		
	Dumpman		
[illegible] hrs.		9.00	72.00
	Helper		
[illegible] hrs.		9.00	72.00
	Mileage		
[illegible] mi.		.10	1.00
	3/12/80 Cleaned too column and repaired base		
	Dumpman		
[illegible] hrs.		9.00	[illegible]
	Dumpman		
[illegible] hrs.		9.00	[illegible]
	Mileage		
[illegible] mi.		.10	1.00
	3/21/80 Welded pipeline - put in new valve Connected motor		
	Dumpman		
[illegible] hrs.	including travel	9.00	72.00
[illegible] hr	overtime	12.00	12.00
	Dumpman		
[illegible] hrs.	including travel	9.00	72.00
[illegible] hr.	overtime	12.00	12.00
	Materials		
1	[illegible] x 3-3/4" S.S shaft - Threaded both ends		60.00
8	5/8 x 4" Medium hex head bolts and nuts		2.40
16	5/8 x 2" Cap Screws		2.00
[illegible]	[illegible] washers		[illegible]

(continued)

000328

1440. REGENT FORMS, PHILA., PA. 19139

D. L. MAHER CO.

P.O. BOX 274 • WOBURN, MASS.

933-3210

INVOICE

No. [illegible]

INVOICE DATE	[illegible]
OUR ORDER NO.	[illegible]
YOUR ORDER NO.	
TERMS	F.O.B.
SALESMAN	
SHIPPED VIA	PPD. OR COLL.

J. J. Riley Tannery
Salem St.
Woburn, Mass. 01801

PPED TO

QUANTITY	DESCRIPTION	PRICE	AMOUNT
	3/21/62 Remove No. 1 Pump		
	Duncan		
hrs.	Including travel	7.00	28.00
hrs.	over time	12.50	[illegible]
	Helper		
hrs.	Including travel	7.50	50.00
hrs.	over time	10.00	15.00
	Mileage		
mi.		.12	1.20
	3/26/62 Piled up discharge head at plant		
	Duncan		
hrs.		7.00	14.00
	Helper		
hrs.		7.50	15.00
	Mileage		
mi.		.12	1.20
	3/6/62 Off shaft coupling - took new shaft to Machine Shop		
	Ridgman		
hrs.		9.00	27.00
	Duncan		
hrs.		9.00	27.00
	Duncan		
mi.		.12	1.20

(continued)

Well No. 1
Location W. Side of R.R. Tracks

D. L. MAHER CO.
RECORD OF TEST

Contract J. J. Riley
Orifice 6x4

8/6/68

Time	Draw Down	gpm	Press.	Remarks
	13'			Static
4pm	26'	305	80#	
		8/7/68		
7:15Am	26'	305	80#	
8:30	26'	305	80#	
9:30	26'	305	80#	
10:30	26'	305	80#	13' Actual Draw down

The well shows approximately 25+ gpm / FT. of Draw down

It is also possible that the line leading to the plant is leaking.

0001330

WOBURN MACHINE COMPANY

201 MAIN ST., WOBURN, MASS.
TEL. 933-0330
AREA CODE 617

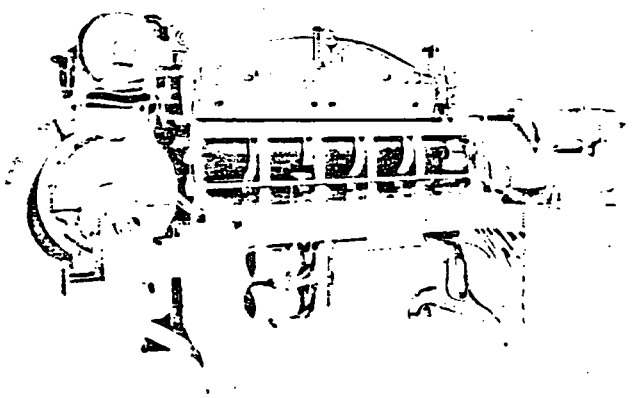
SOLD TO
D. L. Maher Co.
P. O. Box 274
Woburn, Mass. 01801

DEPT. MS

INVOICE 17119

CUSTOMER'S ORDER NO.	DELIVERY SLIP NO.	TERMS	DATE
	S33325	1% 10 DAYS. NET 30 DAYS	4/7/69

DATE	OUR ORDER	DESCRIPTION	LABOR	MATERIAL	TOTAL
11	3661	Cut off your coupling and cut new keyway (J.J. Riley job)	15.50		
					15.50



SPLIT-O-MATIC

J J Riley
PR 2-4-69
Job file copy

No goods may be returned without our written permission. 10% handling charge on all returned merchandise.

000331

WOBURN MACHINE COMPANY

201 MAIN ST., WOBURN, MASS.
TEL. 933-0330
AREA CODE 617

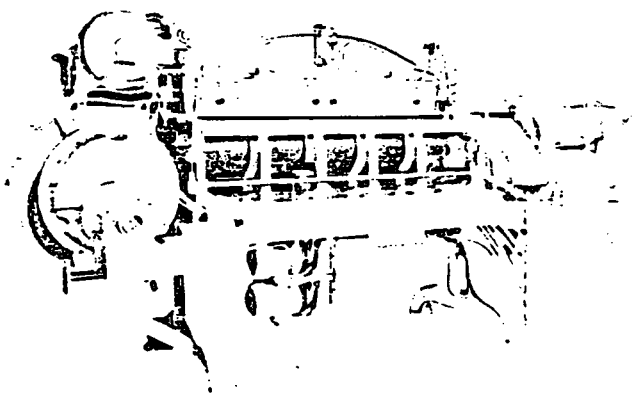
SOLD TO
D. L. Maher Co.
P. O. Box 274
Woburn, Mass 01801

DEPT. MS

INVOICE 17120

STOMER'S ORDER NO.	DELIVERY SLIP NO.	TERMS	DATE
10888	S33273	1% 10 DAYS. NET 30 DAYS	4/7/69

DATE	OUR ORDER	DESCRIPTION	LABOR	MATERIAL	TOTAL
7	3597	Cut 5' from your 1¼" shaft and thread both ends as directed	15.50		
					15.50



SPLIT-O-MATIC

J. J. Riley
PR 2-4-69
not full copy

No goods may be returned without our written permission. 10% handling charge on all returned merchandise.

000332

PRZ-4-69

D. L. MAHER CO.

DAILY TIME REPORT

Job J. J. Riely's ~~[illegible]~~

Date Feb 21-69

Name	Hours	Hours on Job	Hours at Warehouse and to Job	Report of Work Done
C Kelly	9½	9½		Pulling pump at
S Kelly	9½	8½	1	Riley's leather
				plant
Name of Truck Driver FROM Job	Hours			

Comments

Equipment and material moved on or off job

Equipment and material needed

D. L. MAHER CO.

DAILY TIME REPORT

Monday

Job T. J. Rielly's

Date 2/24/69

Name	Hours	Hours on Job	Hours at Warehouse and to Job	Report of Work Done
Denis Maher Sr.	9	1	8	Mr Maher and Steve
Steve Kelley	9	1	8	Kelley went to Rielly's
				to pickup Pump base
				and return it to shop)
				Started to snow
Name of Truck Driver FROM Job	Hours			

Comments

Equipment and material moved on or off job

Equipment and material needed

PR2-4-69

D. L. MAHER CO.

DAILY TIME REPORT

Job J. J. Riley Co

Date March 6-69

Name	Hours	Hours on Job	Hours at Warehouse and to Job	Report of Work Done
J. O'Donnell	3	3		Cutting shaft coupling.
D. L. Maher	2	2		Took new shaft to
				Wob. Machine with old
				shaft to machine.
ame of Truck Driver FROM Job	Hours			

Comments

Equipment and material moved on or off job

Equipment and material needed

PR2-4-69

D. L. MAHER CO.

DAILY TIME REPORT

To J. J. Riley Co. Date March 7-69

Name	Hours	Hours on Job	Hours at Warehouse and to Job	Report of Work Done
J. O'Donnell	8	7	1	Setting pump up to
D. L. Maher	8	7	1	discharge head.
ame of Truck Driver FROM Job	Hours			

Comments

Equipment and material moved on or off job

Equipment and material needed

PR 2-4-69

D. L. MAHER CO.

DAILY TIME REPORT

Watson Riley Leather Date Mar 10-69

Name	Hours	Hours on Job	Hours at Warehouse and to Job	Report of Work Done
C Kelly	5	5		Changed Top Column
D L Maher	5	5		Cemented Bars
of Truck Driver FROM Job	Hours			

mments

uipment and material moved on or off job

uipment and material needed

000337

PR 2-4-69

D. L. MAHER CO.

DAILY TIME REPORT

Woburn Riley Leather

Date Mar 11-69

Name	Hours	Hours on Job	Hours at Warehouse and to Job	Report of Work Done
C Kelly	9	8	1	Welded pipeline put
D L Maher	9	8	1	in gate Valve in line
				hooked up motor finished
				Cementing base had Top
				Block cut at Wob
				machine
f Truck Driver FROM Job	Hours			

mments

ipment and material moved on or off job

ipment and material needed

000338

EXHIBIT
Maher #14
1.15.86 VTW
20 pages

7-5-91

000339

INVOICE

7929

D. L. MAHER CO.
P. O. BOX 127 • CONCORD ST.
NO. READING, MA 01864
(617) 933-3210

 pd 2/12/81

INVOICE DATE	January 29, 1981
OUR ORDER NO.	T 1-5-81
YOUR ORDER NO.	
TERMS / F.O.B.	Net 15 days
SALESMAN	
SHIPPED VIA	

J.J RILEY
Salem Street
Woburn, MA 01801

SHIPPED TO

PPD. OR COLL.

QUANTITY	DESCRIPTION	PRICE	AMOUNT
	2½" Test wells driven, sampled, and tested (Continued)		
	1-20-81		
	Loaded rig and samples and moved to the shop		
	Job Time 2½ hours		
	Test well work based on $625.00 per day of at least 8 hours per day on the job.		
	5.31 days @ $625.00		3,313.7
	MATERIALS		
84'	of 2½" Test pipe @	3.95/ft.	323.
2	Test Screens @	75.00/ea	150.
	5% mass tax		23.
	Total		$ 3,815.

SERVICE CHARGE OF 1½% PER MONTH WILL BE MADE ON ALL BALANCES EXCEEDING 45 DAYS.

000340

M 14405. REGENT FORMS. BELLMAWR, N. J. 08031

INVOICE

7929

D. L. MAHER CO.

P. O. BOX 127 • CONCORD ST.
NO. READING, MA 01864
(617) 933-3210

INVOICE DATE	January 29, 1981
OUR ORDER NO.	T 1-5-81
YOUR ORDER NO.	
TERMS	Net 15 days
F.O.B.	
SALESMAN	
SHIPPED VIA	

J.J RILEY
Salem Street
Woburn, MA 01801

PPED TO

PPD. OR COLL.

QUANTITY	DESCRIPTION	PRICE	AMOUNT
	2½" Test wells driven, sampled, and tested		
	1-13-81		
	Well No. 81-1 Drove 2½" pipe to 21' washed out drove to 26' and hit refusal. Pulled out		
	Job time 9½ hours		
	1-14-81		
	Well 81-2 Drove well down to 21' washed out drove and washed to 49'0" washed every 7'		
	Job Time 9½ hours		
	1-15-81		
	Drove and washed well 81-3 to 56', Refusal Pulled well back to 49' and set a 40 slot screen and pump 20 gpm @ 26" vacuum. Moved rig over beside swamp, drove and washed well 81-3 to 28'.		
	Job Time 9½ hours		
	1-16-81		
	Drove and washed 81-3 to 57'0" Refusal pulled back to 49' set a 40 slot screen. Developed and pumped 50 GPM @ 22" vacuum		
	Job Time 9 hours.		
	1-19-81		
	Drove and washed an observation well beside 81-3 2' on center and set a 30 slot screen. Developed and pumped. Moved rig over and pulled well 81-3 with screen Pump test 81-3 for 4 hours.		
	Job Time 11 hours		

000341

M 14405 REGENT FORMS, BELLMAWR, N.J. 08031

COPY

D. L. MAHER CO.
GROUND WATER DEVELOPMENT

1941 — 1981
SERVING YOU FOR 40 YEARS
THANK YOU

P.O. BOX 127 • 71 CONCORD STREET • NORTH READING • MA 01864 • 617/933-3210

February 12, 1980

J.J. Riley
Salem ST
Woburn, MA 01801

Att: Mr. Jack Riley

Dear Jack:

On January 13, 1981, we began testing by driving and washing 2½" pipe on the easterly side of the railroad track. Wells were driven at three locations with the following results.

Well 81-1

This site was 300' north of the existing gravel packed well parallel with the railroad track. The well was driven to 26' through fine to coarse brown sand. Refusal was at 26', then the well was pulled.

Well 81-2

This site was located northeast from the existing well adjacent to the dirt road.

The material found was:

0 to 28'	Fine brown sand
28' to 35'	Fine to coarse brown sand with traces of clay
35' to 42'	Fine to coarse brown sand with traces of clay
42' to 49'	Fine to coarse brown sand with fine to medium gravel
49' to 56'	Fine to coarse brown sand with fine gravel

The well was pulled back to 49' and a 40 slot screen was set. The well pumped 20 GPM @ 26" vacuum. No observation well was driven and this well was removed after tests on 81-3.

Well 81-3

The site is located approximately 15-20' from the edge of the swamp, northeast from the existing well, east of the dirt road and sewer main.

The well was driven and washed to refusal at 57' through the following materials.

0 to 35'	Fine to coarse brown sand with traces of clay
35' to 42'	Fine to coarse brown sand, fine gravel with traces of clay
42' to 49'	Fine to coarse brown sand and fine to medium gravel
49' to 57'	Fine to coarse brown sand

The well was pulled back to 49' and a 30 slot screen was set. The well pumped 50 GPM @ 21" vacuum. An observation well was driven to 49', two feet from well 81-3. A 30 slot screen was set.

Well 81-3 was test pumped at 50 GPM with a drawdown in the observation well of 1 foot 4 inches, a specific capacity of 37 GPF.

On January 23, 1981, the existing well was pumped at 586 GPM for an hour fifteen minutes. Well 81-3 had a drawdown of 6".

After analyzing the material and studying the test results, we recommend and propose the following:

To furnish all equipment, labor, and materials to construct a 24" x 18" gravel packed well to a depth of 49' with 10' of stainless steel well screen. Developed and test pumped for one hour.

The well will have a capacity of up to 700 GPM as determined by the pump test.

PRICE: $ 40,600.00

Not included: Site preparation, permits, access across MDC right of way, taxes, structures.

The pumping equipment would be sized after the pumping test, but ad budget figure could be $17,000.00 to duplicate what you presently have. An alternate would be a turbine pump at approximately $11,000.00. Neither price includes installation, an additional $1,500.00.

Not included: Discharge gate valve, check valve, electrical, structures, taxes.

On January 23rd the existing well was test pumped at 586 GPM for one hour fifteen minutes with a drawdown of 27'-6½" or a specific capacity of 21.3 gallons per minute per foot of drawdown (gpf). The well when originally installed showed 51 GPF after a 24 hour pump test. A similar test (1.25 hr.) in 1977 showed a capacity of 66 GPF after chemical treatment and redevelopment. During the test, grab samples were taken without any trace of sand. The well is plugged by either mineral encrustation, iron bacteria growth or sand locking and has fallen off 65% since 1977.

Immediate treatment would involve injecting chlorine into the well followed by 1000 gallons of water to push it into the formation. This if followed by muriatic acid and another 100 gallons of water. Let this stand overnight and then pump to waste. There is a good chance this will temporarily improve the GPM/ft. of drawdown. Two days would be sufficient to accomplish this treatment. Labor would be at the published service rates for chemical injection and setting up the discharge. Pumping to waste, monitoring PH and line neutralizing will be done by Riley personnel.

This treatment is at best a temporary solution that may improve the condition of the well. The more conventional method is to redevelop

the well using a drill rig, removing the pump, chemically treating and surging, tying the well up. This is similar to work performed when the well came back to the 66 GPF in 1977.

The plugging now evident appears to be caused by a rapid growth of either iron bacteria or iron on manganese encrustation formed in the formation immediately surrounding the well screen. This plugging further causes particles, which normally from time to time pass through the screen, to bridge and further plugging results.

The redevelopment with a drill rig not only cleans the immediate area of the screen, but further works the formation to break up this bridging of smaller particles. In practice most wells in unconsolidated materials with known iron analysis and bacterial growth tend to plug within 5 years. Some naturally last longer, some less, depending on many variables.

We cannot forecast the results, if any, of the chemical injection alone. Adding chlorine and muriatic acid is the manner we propose, does not require any removal of equipment nor the use of a drill rig. It will dissolve and break up some encrustation, but to what extent is not known. It is an immediate attempt with little time involved and the results could be beneficial.

In any case, the projected time it will retard the plugging is measured in months, not years. We suspect the well will re-plug rapidly to a condition that full redevelopment is necessary at some time in the near future.

The addition of a second well would reduce the burden thus the rapidity at which plugging occurs.

The submersible motors will be sent to L.A. after M.E.C. returns one they are inspecting. The accompanying pump will be dismantled, cleaned and inspected and then you will receive a written report of the condition and estimated repair costs. A 50HP exchange motor and cable are on order and are scheduled for the third week of March. Byron Jackson made a mistake when they said there were eight 220 volt motors - there were 400. We apologize for Byron Jackson's error and they will do everything to expedite the delivery.

I believe this covers everything, but should you have any further questions, please do not hesitate to call.

Sincerely,

D.L. MAHER CO.

Denis L. Maher Jr.

pag

D. L. MAHER CO.

LOG OF TEST WELL

Log of Well for J. J. Riley Test No. 81-1

Address Salem St

Well located at J. J. Riley in Wo Burn County, State of Mass.

Date Drilling started 1/13/81 Date Test Hole Completed 1/13/81

Total depth to bottom of Well 26' Diameter Test Hole 2 1/2"

Water stands when not pumping ..... feet ..... inches from the surface of the ground.

ACH RATUM	DEPTH OF STRATA	FORMATION FOUND EACH STRATUM
0'	26'	Fine Brown Sand to Coarse Brown Sand
26'		"Re Fusal"

Did Well Clear Up?

How Long?

Time Pumped?

Drawdown Ft. In.

Capacity

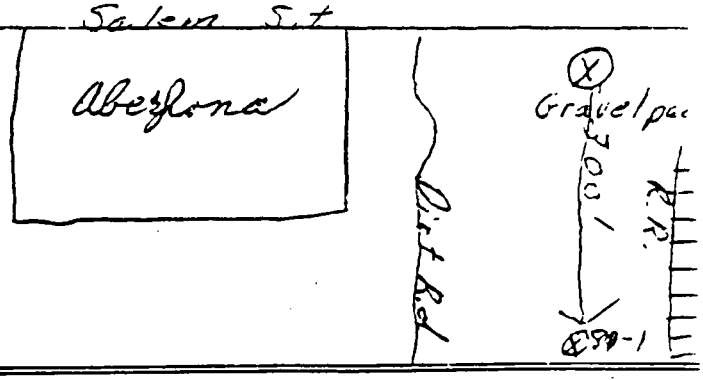
Time Required for Recovery?

Was Well Pulled? yes

Observation no What Depth?

Was Observation Well Pulled?

Map of Location



Remarks and opinion of Test pulled well out

Driller Fred Francis

Helpers Joe Anderson

000345

D. L. MAHER CO.

LOG OF TEST WELL

Log of Well for J. J. Riley Test No. 81-2

Address Salem S.t.

Well located at J. J. Riley in Wo Burn County, State of Mass.

Date Drilling started 1/16/81 Date Test Hole Completed 1/17/81

Total depth to bottom of Well 56' Diameter Test Hole 2 1/2"

Water stands when not pumping 4' feet 7" inches from the surface of the ground.

EACH STRATUM	DEPTH OF STRATA	FORMATION FOUND EACH STRATUM
0'	28'	Fine Brown Sand
29'	35'	Fine Brown Sand to Coarse Sand and traces of Clay
35'	42'	Fine Brown Sand to Coarse Sand and traces of Clay
42'	49'	Fine Brown Sand to Coarse Sand and Fine to med Gravel
49'	56'	Fine Brown Sand to Coarse Sand and Fine Gravel
56'		"Refusal"

Did Well Clear Up? yes

How Long? 3 1/2 hrs

Time Pumped? 1 hr

Drawdown Ft. In.

Capacity 20 GPM 26" Vac at 49'

Time Required for Recovery?

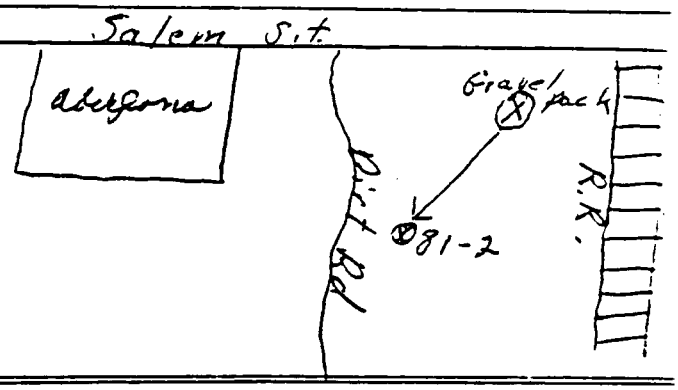
Was Well Pulled? no

Observation no What Depth?

Was Observation Well Pulled?

Map of Location

Salem S.t.



Remarks and opinion of Test pulled Well Back to 49' set a 40 slot Screen. Well pumped 20 GPM 26" Vac.

Driller Fred Lavoie

Helpers Joe Anderson

000346

D. L. MAHER CO.

LOG OF TEST WELL

Log of Well for: J. J. Riley — Test No. 81-3-3A

Address: J. J. Riley in Woburn

Well located at: J. J. Riley in Woburn County, State of Mass.

Date Drilling started: 1/15/81 — Date Test Hole Completed: 1/19/81

Total depth to bottom of Well: 57' — Diameter Test Hole: 2 1/2"

Water stands when not pumping: 1' feet 10" inches from the surface of the ground.

EACH STRATUM	DEPTH OF STRATA	FORMATION FOUND EACH STRATUM
0'	35'	Fine Brown Sand and some Coarse and traces of Clay
35'	42'	Fine Brown Sand Coarse Sand and Fine Gravel and traces of Clay
42'	49'	Fine Brown Sand Coarse Sand and Fine to med Gravel
49'	57'	Fine Brown Sand and Coarse Sand
57'		"Refusal"

Did Well Clear Up? yes

How Long? 5 hrs Developing Time 9 hrs Total

Time Pumped? 3 hrs and 4 hrs pump Test

Drawdown 1' Ft. 4" In.

Capacity 50 GPM 21" Vac at 49'

Time Required for Recovery? 1/2 hr.

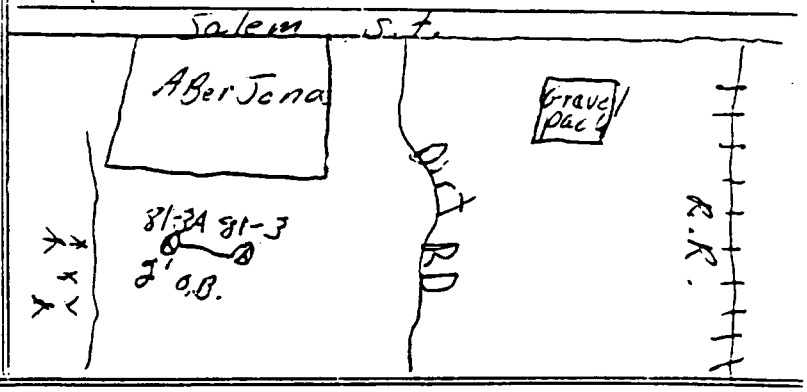
Was Well Pulled? no

Observation yes What Depth? 49'

50 GPM 22" at 49'

Was Observation Well Pulled? no

Map of Location



Remarks and opinion of Test: pulled Well Back to 49' Refusal is 57' and O.B. well is 49' set a 30 slot screen in well and a 30 Slot screen in O.B 2' well and O.B. pumped 50 G.P.M

Driller: Fred Lavoie

Helpers: Joe Anderson

000347

US EPA ARCHIVE DOCUMENT

000248

J. J. Riley 81-3
49'-57'

2½ inch [illegible]

1	Grams retained on No.	8	% Passed 99.50
2		10	99
6		20	97
43		40	78.50
137		60	31.50
182		100	9
197		200	1.50
198		270	1

T. J. Riley 81-3
42 - 49

Grams retained on No.	1/4	% Passed
9	4	95.50
31	6	90.50
43	8	84.50
51	10	78.50
38	20	74.50
121	40	56
45	60	39.50
67	100	27.50
193	200	16.50
95	270	3.50
97	325	2.50
		1.50

J. J. Riley 81-3
35'- 42

	Grams retained on No.		% Passed
2		3/8	99
[illegible]		1/4	98
3		4	96
3		6	93.50
21		8	89.50
27		10	86.50
57		20	71.50
100		40	50
137		60	31.50
160		100	20
190		200	5
194		270	3
196		325	2

J. J. Riley 81-3

28' - 35'

Grams retained on No.		% Passed
2	8	99.50
7	10	99
56	20	96.50
43	40	72
76	60	28.50
194	100	12
196	200	3
197	270	2
	325	1.50

D. L. MAHER CO.

PREVENTIVE MAINTENANCE INSPECTION PROGRAM FOR WATER WELLS & PUMPING EQUIPMENT

Owner R/EYS Location & Unit No. 23rd

Date of inspection Jan 81

PUMPING UNIT NOT RUNNING

1. Motor:

Name plate data:

Make ..... Serial No. ..... Horsepower .....

Speed ..... Type ..... Frame No. .....

Phase ..... Cycle ..... Volt .....

Full Load Amps .....

A: Change oil (grease) in upper and lower bearing reservoirs — Yes ..... No .....

Note: Once yearly or 2000 hrs., whichever occurs first.

B: Checked Non Reverse ratchet — Yes ..... No .....

C: Meggar Readings:

Ground to Leg

Leg 1 .....

Leg 2 .....

Leg 3 .....

Leg to Leg

Leg 1 to 2 .....

Leg 1 to 3 .....

D: Remarks .....

2. Right Angle Gear Drive
Name Plate Data:

Make ..... Serial No. .....

Model ..... Ratio .....

Brake Horsepower ..... Rpm .....

A: Change oil in reservoir ..... Yes ..... No

Note: Once yearly or 2000 hrs., whichever occurs first.

B: Greased fitting on flexible shaft ..... Yes ..... No

C: Remarks: .....

D. L. MAHER CO.

Daily Time Report

Date: 1/20/81

Owner: J. J Riley

Job Site: Woburn Mass.

Tuesday

Job No. T1-5-81

Truck No.	Total Mileage	Starting Time	Arrival Time at Job Site	From Lunch	To	Departure Time From Job Site	Arrival Time at Shop	Driving Time From Job Site	Total Allowed Travel Time	Total Job Site Time	Total Daily Time	
301		7:00	7:00	—	—	9:30	—	—	—	2½	2½	T. Lauri
		7:00	7:00	—	—	9:30	—	—	—	2½	2½	J. Anderson

Work Performed

loaded rig on truck and brought samples in to shop.

Materials moved on or off job

000354

D. L. MAHER CO.
Daily Time Report

Date: 1/19/81 Monday
Owner: J.J. Riley
Job Site: Woburn Mass.
Job No. T1-5-81

Truck No.	Total Mileage	Starting Time	Arrival Time at Job Site	From Lunch	To	Departure Time From Job Site	Arrival Time at Shop	Driving Time From Job Site	Total Allowed Travel Time	Total Job Site Time	Total Daily Time	
3-1	7:00	7:00	—	—		6:00	6:00	—	—	11	11	T. Lavoie
	7:00	7:00	—	—		6:00	6:00	—	—	11	11	J. Andrews

Work Performed

Unloaded Truck Drove 2' O.B. at 81-3 Down to 49' and Wash out set a 30 slot screen and Develop and pump moved Rig over and pulled well # 81-2 and pulled screen and pumped well #81-3 for 4 hrs. and loaded Truck.

Materials moved on or off job

000355

D. L. MAHER CO.

Daily Time Report

ate: 1/16/81
wner: J. J. Riley
ob Site: Woburn

Friday
Job No. T1-5-81

Truck No. -1	Total Mileage	Starting Time	Arrival Time at Job Site	From Lunch	To	Departure Time From Job Site	Arrival Time at Shop	Driving Time From Job Site	Total Allowed Travel Time	Total Job Site Time	Total Daily Time	
	7:06	7:00	12:00	12:30		4:30	4:30	—	—	9	9	T. Lovoi
	7:00	7:00	12:00	12:30		4:30	4:30	—	—	9	9	J. Anderson

Work Performed

Unloaded Truck Drove from 28' to 57' and Wash
+ every 7' pulled Back to 49' set a 40 Slot
reen and pulled Back 7' and Develop and pumped
nd loaded Truck

Materials moved on or off job

000356

D. L. MAHER CO.

Daily Time Report

te: 1/15/81 Thursday

ner: J.J. Riley

o Site: Woburn

Job No. T1-5-81

uck lo.	Total Mileage	Starting Time	Arrival Time at Job Site	From Lunch	To	Departure Time From Job Site	Arrival Time at Shop	Driving Time From Job Site	Total Allowed Travel Time	Total Job Site Time	Total Daily Time	
		7:00	7:00	12:00	12:30	5:00	5:00	—	—	9½	9½	[illegible]
		7:00	7:00	12:00	12:30	5:00	5:00	—	—	9½	9½	J. Anderson

Work Performed

'rove well Down to 56' pulled well Back to
9' and set a 40 slot screen and Develop and
umped moved rig over and Drove Down
o 21' and washout Drove well to 28'

Materials moved on or off job

000357

D. L. MAHER CO.

Daily Time Report

ite: 1/14/81 Wednesday

wner: J.J. Riley

b Site: Wo Burn Job No. T1-5-81

Truck No.	Total Mileage	Starting Time	Arrival Time at Job Site	From Lunch	To	Departure Time From Job Site	Arrival Time at Shop	Driving Time From Job Site	Total Allowed Travel Time	Total Job Site Time	Total Daily Time	
	7:00	7:00	12:00	12:30		5:00	5:00	—	—	9½	9½	F. Lovice
	7:00	7:00	12:00	12:30		5:00	5:00	—	—	9½	9½	J. Anderson

Work Performed

Drove well Down to 21' Washout Drove Down to 49' and Washout every 7'

Materials moved on or off job

000358

D. L. MAHER CO.

Daily Time Report

ate: 1/13/81

wner: J. J. Riley

ob Site: Woburn Mass.

Tuesday

Job No. T1-5-81

ruck No.	Total Mileage	Starting Time	Arrival Time at Job Site	From Lunch	To	Departure Time From Job Site	Arrival Time at Shop	Driving Time From Job Site	Total Allowed Travel Time	Total Job Site Time	Total Daily Time	
-1	7:00	7:00	12:00	12:30	5:00	5:00	—	—	9 1/2	9 1/2		F. Lavoie
	7:00	7:00	12:00	12:30	5:00	5:00	—	—	9 1/2	9 1/2		J. Andrea

Work Performed

Unloaded Truck Drove 2 1/2" pipe Down to 21' Wash out Drove to 26' hit Refusal pipe was Driving Very hard pulled out 26' of 2 1/2" pipe and loaded Truck.

Materials moved on or off job

000359

EXHIBIT
Maher #45
1.15.86 VW
22 pages

Nigh

PR 9-1-11

000360

INVOICE ✓

6881

D. L. BARKER CO.

P. O. BOX 127 • NO. READING, MASS. 01864

[illegible]

pg.2 Rd. 10/6/77

INVOICE DATE	September 28, 1977
OUR ORDER NO.	PR9-1-77
YOUR ORDER NO.	
TERMS	net 15 days
F.O.B.	
SALESMAN	
SHIPPED VIA	

John J. Riley Co.
Salem St.
Woburn, MA 01801

SHIPPED TO

PPD. OR COLL.

QUANTITY	DESCRIPTION	PRICE	AMOUNT
16 hrs.			
chine hrs.)		70.00	1,120.0
	9/28/77		
	7:30 to 2:00 Used pump rig to set pump		
6 hrs.	service man, including travel	16.00	96.0
6 hrs.	helper, including travel	14.25	85.5
	hydraulic rig		105.0
	2:00 to 5:00 Finished dismantling rig and moved to shop		
hrs.			
chine hrs.)		70.00	210.0
	Materials		
0 gals.	bleach @ $1.10		33.0
0 gals.	acid @ $1.25		312.5
1	8" ring gasket		2.0
4 rolls	tape		10.0
5'	3/4" SS Bandit		3.2
2	3/4" SS buckels		1.5
	TOTAL		$4,047.0

SERVICE CHARGE OF 1½%
PER MO. [illegible]
ADDED ON ALL BALANCES
EXCEEDING 45 DAYS.

FORM 1440, REGENT FORMS, PENNSAUKEN, N.J. 08100

000361

INVOICE
6881

R. L. HARPER CO.
P. O. BOX 127 • NO. READING, MASS. 01864
[illegible]

INVOICE DATE: September 29, 1977
OUR ORDER NO.: PR9-1-77
YOUR ORDER NO.:
TERMS: net 15 days
F.O.B.:
SALESMAN:
SHIPPED VIA:

John J. Riley Co.
Salem St.
Woburn, M A 01801

SHIPPED TO:
PPD. OR COLL.:

QUANTITY	DESCRIPTION	PRICE	AMOUNT
	Redeveloping Well #2 Original yield: 51 gallons/foot of drawdown (51 GPF)		
	9/22/77 - 20 GPF		
5 hrs. chine hrs.)	12:00 to 4:30 PM Set up the rig and jib 4:30 to 6:00 PM Started pulling the pump	70.00	420.00
	9/23/77		
	7:00 to 8:00 AM Loaded the truck & went for chemicals 8:00 to 11:00 Finished pulling pump and added bleach with hydraulic rig		
3 hrs. 3 hrs.	service man, including travel helper, including travel hydraulic rig	16.00 14.25	48.00 42.75 52.50
	11:00 to 12:00 Set surge pipe 12:30 to 4:00 Pumped bleach to waste 4:00 to 5:00 Added acid and dry surged		
5½ hrs. chine hrs.)	Well showing 28 GPF	70.00	385.00
	9/26/77		
16 hrs. chine hrs.)	7:00 to 8:00 AM Loaded drill bar 8:00 to 11:00 AM Put on drill bar and hooked up pump 11:00 to midnight surge and dry surge	70.00	1,120.00
	9/27/77		
	Midnight to noon Surge and dry surge 12:00 to 4:00 PM Pulled surge pipe and took jib down Well showing 66 GPF		

FORM 1440. REGENT FORMS, PENNSAUKEN, N.J. 08109

000362

INVOICE

6878

Pd 10/6/77

B. L. BAKER CO.

P.O. BOX 127 • NO. READING, MASS. 01864

[illegible]

page 2

INVOICE DATE	September 23, 1977
OUR ORDER NO.	PR9-1-77
YOUR ORDER NO.	
TERMS	net 15 days
F.O.B.	
SALESMAN	
SHIPPED VIA	

John J. Riley Company
Salem Street
Woburn, MA . 01801

SHIPPED TO

PPD. OR COLL.

QUANTITY	DESCRIPTION	PRICE	AMOUNT
. can	Scotch Kote		3.50
	TOTAL		$1,940.97

SERVICE CHARGE OF 1½% PER MONTH WILL BE MADE ON ALL BALANCES EXCEEDING 45 DAYS.

FORM 1440, REGENT FORMS, PENNSAUKEN, N.J. 08100

000363

INVOICE
6873

D. L. BAKER CO.

P.O. BOX 127 • NO. READING, MASS. 01864
[illegible]

INVOICE DATE: September 23, 1977
OUR ORDER NO.: DR9-1-77
YOUR ORDER NO.:
TERMS: net 15 days
F.O.B.:
SALESMAN:
SHIPPED VIA:

John J. Riley Company
Salem Street
Woburn, MA 01801

SHIPPED TO:
PPD. OR COLL.:

QUANTITY	DESCRIPTION	PRICE	AMOUNT
	9/6/77 - Pulled discharge column and cable. Pump and motor broken off. Returned to the shop for retrieving tool. Pulled pump and motor.		
8 hrs.	service man, including travel	16.00	128.00
8 hrs.	helper, including travel	14.25	114.00
	hydraulic rig		140.00
22 mi.	mileage	.28	4.20
	9/8/77 - Setting pump and motor.		
8 hrs.	service man, including travel	16.00	128.00
1 hr.	" overtime	19.50	19.50
8 hrs.	helper, including travel	14.25	114.00
1 hr.	" overtime	16.75	16.75
	hydraulic rig		140.00
15 mi.	mileage	.28	4.20
	9/9/77 - Run test on the well to determine yield, finished setting pump.		
5½ hrs.	service man, including travel	16.00	88.00
5½ hrs.	helper, including travel	14.25	78.38
	hydraulic rig		96.25
15 mi.	mileage	.28	4.20
9½ hrs.	Shop Labor - making fishing tool and wire splice	16.00	152.00
	Materials		
33'-0"	of 8" x blk steel pipe threaded both ends, extra heavy		528.51
2	8" x steel couplings, extra heavy		99.50
1	8" x 6" blk bushing extra heavy		11.44
1	6"x12" blk steel nipple extra heavy		33.44
1	8" ring gasket		2.00
2	1/8" brass plugs		.70
6 rolls	electrical tape		15.00
12	1/2" x 2" hex cap screws and nuts		6.00
8	3/4 x 3-1/2" " "		11.20
2 cans	pipe dope		2.20

FORM 1440, REGENT FORMS, PENNSAUKEN, N.J. 08109

000364

TELEPHONE
617-24 44

Walden Industrial Supply Co.

910 MAIN STREET • WAKEFIELD, MASSACHUSETTS 01880

DUPLICATE INVOICE

CUSTOMER'S ORDER NO. AND DATE	REQUISITION	OUR ORDER NO	INVOICE DATE	DATE SHIPPED
125000		17483	9/23/77	9/8/77

SOLD TO
D. L. MAHER CO.
P.O. BOX 127
CONCORD ST.
NORTH READING, MA 01864

SHIP TO
SAME

SHIPPED VIA: CALL
SHIPPED FROM:
GROSS WEIGHT:
REMARKS:

TERMS: CASH DISCOUNT 1% 10 DAYS - NET 30
FOB:

QUANTITY SHIPPED	DESCRIPTION	LIST	EXTENSION	DISCOUNT	NET
1	8" X 6" BLK CI BUSHING	14.58	14.58	35	9.48
1	8" WROT STEEL COUPLING	49.45	49.45		
1	6" X 12" BLK STEEL NIPPLE	28.08	28.08		
			77.53	20	62.02
					71.50
	5% MASS SALES TAX				3.58
					75.08

J. J. Riley
PR 9-1-77
file copy

000365

Jamesbury Ball Valves & Operators, Ashcroft Gauges, Thermometers, Regulators, Trane Fans, Unit Heaters, Steam Specialties, Rigid, Oster, Toledo-Beaver & Reed Die Stocks & Pipe Machines, Jenkins Bronze, Iron, Steel & Stainless Valves.

DUPLICATE INVOICE

END ALL REMITTANCES
TO P.O. BOX 1535
ROVIDENCE, R. I. 02901

GEORGE MANN & CO., INC.

MERCHANTS AND DISTRIBUTORS OF HEAVY CHEMICALS

OFFICE AND WAREHOUSE HARBORSIDE BOULEVARD
MUNICIPAL DOCK, PROVIDENCE, R.I. 02901
TEL 401-781-5600

105 CENTRAL STREET
STONEHAM, MASS. 02180
TEL 617-729-2910

1212 POST ROAD
FAIRFIELD, CONN. 06430
203 255-2857

D TO:
C L MAHER COMPANY
P O BOX 127
N. READING, MA.

01864

SHIP TO IF DIFFERENT FROM SOLD TO:

P DATE	CONTROL	INVOICE DATE	INVOICE NO.	ORDER NO.	CUST. NO.	SHIP VIA	SLSMN	TERMS
/23/77	1007	9/26/77	28357		35820	CUSTOMER CALL PPD	12	

TITY RED	QUANTITY SHIPPED	ITEM NUMBER	DESCRIPTION	WEIGHT	PRICE	PER	LESS %	CODE	AMOUNT
5	2	304052	MURIATIC ACID 20 TECH 500# DR	1000	.0805	P		2	80.50
	2	190422	CONTAINERS 55 GAL PE	2	50.00	E		2	100.00
2	2	112522	WILCLOR 2 15G DR	30	.88	G		2	26.40
	2	190392	CONTAINERS 15 GAL WILCLOR DRUMS	2	25.00	E		2	50.00
3	3	303722	MURIATIC ACID 20 DEG PE 500# DR	1500	.0805	P		2	120.75
	3	190112	CONTAINERS 55 GAL ACID PE DRUMS	3	50.00	E		2	150.00

J.J. Riley
PR9-1-77
file copy

CODE EXPLANATION		
D	M—THOUSAND	1—DELIVERED
N	T— TON	2—X STORE
ED	E— EACH	3—FOB WORKS

LOCATION 2

PAY THIS AMOUNT
527.65

tainers remain the property of the Seller and to guarantee their return a deposit is required. Containers returned in good condition within 90 days are to edited only to BUYER'S account and not to successors, assigns, receivers or trustees of BUYER.
A service charge of one percent (1%) per month will be assessed on all balances which extend beyond terms agreed to by our credit department.

NO DISCOUNT ALLOWED ON CONTAINERS

000366

US EPA ARCHIVE DOCUMENT

METROPOLITAN PIPE AND SUPPLY CO.

DUPLICATE INVOICE

303 BINNEY ST. 617 - 492 - 6400 CAMBRIDGE, MASS. 02142

43494

CONTROL No. 000362

PAGE ____ of ____

SOLD TO: 102 - 0 - TP
D. L. MAHER CO.
P. O. BOX 127
CONCORD STREET
NO. READING, MASS. 01864

SHIP VIA

SHIP TO

USE THIS NUMBER ON ALL REMITTANCES

DATE OF ORDER	DATE WANTED	DATE SHIPPED	CUSTOMER ORDER NO.	JOB NO.	DELIVERY	TERMS	INVOICE DATE	INVOICE NO.
9/7/77		9/8/77				102	9/12/77	14417

QUANTITY SHIPPED	QUANTITY ORDERED	DESCRIPTION	QUANTITY SHIPPED	UNIT PRICE	DISCOUNT	NET PRICE
✓	2	8" Poly Pipe Sleeve 33' Coil T.C.F.	1	437.96	NET	437.96
✓	1	8" Poly Pipe Fitting Coupling	1	41.20	NET	41.20

Riley 9-1-77

CUSTOMER SIGNATURE	MERCHANDISE TOTAL	SALES TAX	FREIGHT	MISC.	INVOICE TOTAL
	479.16	22		.00	503.12

PAY THIS

Rileys

Sept 22, 1977

Thur 12:00 - 4:30 Set up rig + TIB
4:30 - 6:00 Pulling Pump

Sept 23, 1977

Fri 7:00 - 8:00 Load Truck Go to MANNS for Chemicals
8:00 - 11:00 Pull Pump Put in Bleach
11:00 - 12:00 Set Surge Pipe
12:00 - 12:30 Lunch
12:30 - 4:00 Pump Bleach to Waste
4:00 - 5:00 Put in Acid + Dry Surge
well showing 28 G.P.F.

Sept 26, 1977

Mon. 7:00 - 8:00 Load Drill Bar
8:00 - 11:00 Put on Drill + Hook up 4" Pump
Adjust Clutches on rig
11:00 - 12:00 mid. Surge + Dry Surge

Sept 27, 1977

Tues 12:00 mid - 12:00 noon Surge + Dry Surge
12:00 - 4:00 Pull ~~Surge~~ Surge Pipe Take down TIB - Load Truck
well showing 66 G.P.F.

Materials - 30 GALS Bleach - 200 lbs Acid

D. L. MAHER CO.

Daily Time Report

Date: 9 Nov 77 Wednesday

Owner: Rileys

Job Site: Sob

Job No. Service

Truck No.	Total Mileage	Starting Time	Arrival Time at Job Site	From Lunch	To	Departure Time From Job Site	Arrival Time at Shop	Driving Time From Job Site	Total Allowed Travel Time	Total Job Site Time	Total Daily Time	
5-1	0	930	945			1045	11	1/4	1/2	1	1 1/2	Tom Mitchell

Work Performed

went down to pate well had to wait for Charlie to get out of meeting

Materials moved on or off job

000369

D. L. MAHER CO.
Daily Time Report

Saturday

e: 29 July 78
ner: Rulego
Site: Shop

Job No. PR9-1-77

uck o.	Total Mileage	Starting Time	Arrival Time at Job Site	From Lunch	To	Departure Time From Job Site	Arrival Time at Shop	Driving Time From Job Site	Total Allowed Travel Time	Total Job Site Time	Total Daily Time	
		10:30				12					1½	Tom McNeil
		10:30				12					1½	Joe McNeil

Work Performed

Filled motor with oil - Installed balance tube

Materials moved on or off job

000370

D. L. MAHER CO.
Daily Time Report

te: Sept 26, 1977 Monday
ner: Rileys
Site:
Job No. PR9-1-77

uck o.	Total Mileage	Starting Time	Arrival Time at Job Site	From Lunch	To	Departure Time From Job Site	Arrival Time at Shop	Driving Time From Job Site	Total Allowed Travel Time	Total Job Site Time	Total Daily Time
2		7:00	8:00			7:00				12	12	S. Kelly
		7:00 A.M	8:00			11:00				4	4	T. McNeil
		7:00 P.M				12:00 P.M.				5	5	T McNeil

Work Performed

Put on Drill Bar + Hook up 4" Pump
Adjust Cluches on Rig

Materials moved on or off job

7:00 - 8:00 Load Drill Bar

000371

#6878

D. L. MAHER CO.
Daily Time Report

Thursday

ate: 8 Sept 77
wner: Pelaya
ob Site: #1

Job No. PR9-1-77

Truck No.	Total Mileage	Starting Time	Arrival Time at Job Site	From Lunch	To	Departure Time From Job Site	Arrival Time at Shop	Driving Time From Job Site	Total Allowed Travel Time	Total Job Site Time	Total Daily Time	
	9-30	10				6-30	6-30		1/2	8 1/2	9	Tom [illegible]
	9-30	10				6-30	6-30		1/2	8 1/2	9	[illegible]

Work Performed

Loading pipe on truck cutting pump & water 35' of 4" pipe

Materials moved on or off job

000372

#6878

D. L. MAHER CO.
Daily Time Report

Tuesday

ate: 6 Sept 77
wner: Pilcup
ob Site: Well #1

Job No. PR 9-1-77

Truck No.	Total Mileage	Starting Time	Arrival Time at Job Site	From Lunch	To	Departure Time From Job Site	Arrival Time at Shop	Driving Time From Job Site	Total Allowed Travel Time	Total Job Site Time	Total Daily Time	
	7	7 30			11			1/2	3 1/2	4		Tom McKeid
	7	7 30			11			1/2	3 1/2	4		Joe McKeid
	1				5					4		Tom McKeid
	1				5					4		Joe McKeid

Work Performed

pulling pump column pump and motor fill off
1-5 testing set pump and motor

Materials moved on or off job

000373

#16878

D. L. MAHER CO.
Daily Time Report

Date: 9 Sept 77 Friday
Owner: Pelanz
Job Site: well #1
Job No. PR9-1-77

Truck No. -3	Total Mileage	Starting Time	Arrival Time at Job Site	From Lunch	To	Departure Time From Job Site	Arrival Time at Shop	Driving Time From Job Site	Total Allowed Travel Time	Total Job Site Time	Total Daily Time
	7	8			12 30			1	4 1/2	5 1/2	Tom McNeil
	7	8			12 30			1	4 1/2	5 1/2	Gene McNeil

Work Performed

Setting fitting together to run test - run test test around drilling allow and set valve

2-in stroke 550 GPM 28'-2" Drawdown

Materials moved on or off job

060374

#6878

D. L. MAHER CO.

Daily Time Report

ıte: 8 Sept 77

ɔwner: Ruleyer

ɔ Site: Shop

Thursday

Job No. PR 7-1-77

ıuck No.	Total Mileage	Starting Time	Arrival Time at Job Site	From Lunch	To	Departure Time From Job Site	Arrival Time at Shop	Driving Time From Job Site	Total Allowed Travel Time	Total Job Site Time	Total Daily Time
	7					8:30				1½	Tom Michel

Work Performed

[illegible] Tape on [illegible] splices

Materials moved on or off job

000375

6676

D. L. MAHER CO.
Daily Time Report

Date: 7 Sept 77
Owner: Rebage
Job Site: Shop

Wednesday

Job No. PR9-1-77

Truck No.	Total Mileage	Starting Time	Arrival Time at Job Site	From Lunch	To	Departure Time From Job Site	Arrival Time at Shop	Driving Time From Job Site	Total Allowed Travel Time	Total Job Site Time	Total Daily Time
	7				11					4	Term Mikal

Work Performed

they spent finding tool to just pump out — splicing otherwise

Materials moved on or off job

000376

#6878

D. L. MAHER CO.

Daily Time Report

ate: 6 Sept 77

wner: Rodeys

ob Site: Shop

Tuesday

Job No. PR9-1-77

Truck No.	Total Mileage	Starting Time	Arrival Time at Job Site	From Lunch	To	Departure Time From Job Site	Arrival Time at Shop	Driving Time From Job Site	Total Allowed Travel Time	Total Job Site Time	Total Daily Time
	11				1					2	Tom McNeill
	11				1					2	Lee McNeill

Work Performed

welding up parking tools loading truck

Materials moved on or off job

000377

D. L. MAHER CO.
Daily Time Report

Date: 28 SEPT 77 Wednesday
Owner: Rileys
Job Site: well #2
Job No. PR 9-1-77

Truck No.	Total Mileage	Starting Time	Arrival Time at Job Site	From Lunch	To	Departure Time From Job Site	Arrival Time at Shop	Driving Time From Job Site	Total Allowed Travel Time	Total Job Site Time	Total Daily Time	
1-3												
0	7	7 30	11 30	12	5			½	9½	9½		Tom McNeil
	7	7 30	11 30	12	5			½	9½	9½		Steve Kelly

Work Performed

Brought Acid Barrels Back to Manns - Set motor pump 3' of 8" column - Ran pump and Adjusted Gate valve so Drawdown was 14' - 2-5 Took Down Rig Picked up Blocking Brought Rig Back to shop Amps 125-125-130

Materials moved on or off job

1-8" Ring Gasket 4 Rolls Tape 5'-3/4 Bandiola 2 Buckles

2-7 30 Bringing Back Barrels

000378

D. L. MAHER CO.
Daily Time Report

:te: Sept 27, 1977 Tuesday
:ner: Rileys
ɔ Site:
Job No. PIR9-1-77

uck ło. 2	Total Mileage	Starting Time	Arrival Time at Job Site	From Lunch	To	Departure Time From Job Site	Arrival Time at Shop	Driving Time From Job Site	Total Allowed Travel Time	Total Job Site Time	Total Daily Time	
ɔ	7:00	7:00				4:00	4:00			9	9	J. Kelly
	12 00 mio					8 00 A.M				8	8	T. McNeil
ɒ	8					9				1	1	T McNeil
	12:00					4:00				4	4	T McNeil

Work Performed

Take out 6" Nipple out of Pump
Surge + Dry Surge
Pull Surge pipe take down T.B

Materials moved on or off job

8:00-9:00 Grinding of Bushing AT Shop

000379

D. L. MAHER CO.

Daily Time Report

ate: Sept 22, 1977 Thursday

wner: Rileys

b Site:

Job No. PA 9-1-77

ruck No. 2	Total Mileage	Starting Time	Arrival Time at Job Site	From Lunch	To	Departure Time From Job Site	Arrival Time at Shop	Driving Time From Job Site	Total Allowed Travel Time	Total Job Site Time	Total Daily Time	
		12:00	12:00			6:00	6:00			6	6	S. Kelly
		12:00	12:00			6:00	6:00			6	6	T. McNeil

Work Performed

Set up rig + TIB. - Start to Pull Pump

Materials moved on or off job

000380

D. L. MAHER CO.
Daily Time Report

ate: Sept. 23, 1977 Friday
wner: Riley's
ob Site:
Job No. 8 8 9-1-77

Truck No. 52	Total Mileage	Starting Time	Arrival Time at Job Site	From Lunch	To	Departure Time From Job Site	Arrival Time at Shop	Driving Time From Job Site	Total Allowed Travel Time	Total Job Site Time	Total Daily Time	
0		7:00	8:00	12:00	12:30	5:00				9½	9½	S. Kelly
		7:00	8:00	12:00	12:30	5:00				9½	9½	T. McNeil

Work Performed

Pull Pump - Put in Bleach - Surge Bleach to Waste - Put in Acid.

Materials moved on or off job

7:00-8:00 Load Truck Go to Mann's for Chemicals

000381

D. L. MAHER CO.
Daily Time Report

Wednesday

e: 12 July 78
ner: Riley
Site: Shop

Job No. PR9-1-77

uck o.	Total Mileage	Starting Time	Arrival Time at Job Site	From Lunch	To	Departure Time From Job Site	Arrival Time at Shop	Driving Time From Job Site	Total Allowed Travel Time	Total Job Site Time	Total Daily Time
	10 30				12					1½	Tom Mitchell

Work Performed

cut off old coupling and welded on new ½ coupling

Materials moved on or off job

000382

US EPA ARCHIVE DOCUMENT

EXHIBIT
Maher #16
1.15.86 VTW

35 pages

INVOICE

7963

PD 3/10/81

D. L. MAHER CO.
P. O. BOX 127 • CONCORD ST.
NO. READING, MA 01864
(617) 933-2210

J.J. Riley Co.
Salem Street
Woburn, MA

INVOICE DATE	Febraury 27, 1931
OUR ORDER NO.	CW 2-12-31
YOUR ORDER NO.	
TERMS	Net 15 days
F.O.B.	
SALESMAN	
SHIPPED VIA	

SHIPPED TO

PPD. OR COLL.

QUANTITY	DESCRIPTION	PRICE	AMOUNT
90 gals.	Wilchor	1.35	121.50
250 gals.	Mureatic Acid	1.35	337.50
			755.1[illegible]
	M.E.C. inspection (expense) of 50 HP motor		100.0[illegible]
	Total		$ ~~855.1[illegible]~~ 916.40

PAYMENT DUE ON ALL BALANCES EXCEEDING 45 DAYS.

000384

PM 14435 REGENT FORMS, BELLMAWR, N.J. 08031

INVOICE

7963

D. L. MAHER CO.
P. O. BOX 127 • CONCORD ST.
NO. READING, MA 01864
(617) 933-3210

INVOICE DATE	Febraury 27, 1981
OUR ORDER NO.	C.W 2-12-81
YOUR ORDER NO.	
TERMS	Net 15 days F.O.B.
SALESMAN	
SHIPPED VIA	

J.J. Riley Co.
Salem Street
Woburn, MA

SHIPPED TO

PPD OR COLL.

QUANTITY	DESCRIPTION	PRICE	AMOUNT
	February 13, 1981 Pick up acid and bleach to the site and unload Add 90 gallons bleach with H20 back flush added 250 gallons of acid.		
4.5 hrs.	Service man Including travelttime	24.50	110.
4.5 hrs.	Helper Including travel time	22.00	99.
14 mi.	Mileage	.70	9.
	February 17, 1981 Made 6" x 4" orifice with 2½ gate valve and fire hose fittings - installed disk in check valve and set up to pump to waste		
2.5 hr.	Service man Including travel time	24.50	61.
1.5 hr.	Helper Including travel time	22.00	33.
14 mi.	Mileage	.70	9.
	February 13, 1981 Spread 5 bags of lime and checked drawdown		
1 hr.	Service man Including travel time	24.50	24.
14 mi.	Mileage	.70	9.
	MATERIALS		

000385

FORM 14409. REGENT FORMS, BELLMAWR, N.J. 08031

INVOICE
7999

D. L. MAHER CO.
P. O. BOX 127 • CONCORD ST.
NO. READING, MA 01864
(617) 933-3210

PD 5/6

INVOICE DATE	March 30, 1981
OUR ORDER NO.	CW2-12-81
YOUR ORDER NO.	
TERMS	net 15 days
F.O.B.	
SALESMAN	
SHIPPED VIA	

J.J. Riley Company
Salem ST
Woburn, MA 01801

SHIPPED TO

PPD. OR COLL.

QUANTITY	DESCRIPTION	PRICE	AMOUNT
	Installation of Submersible Pump		
	3/23/81 - Load equipment, pump, motor and install same.		
7½ hrs.	service man	24.50	183.75
6½ hrs.	helper	22.00	143.00
	Hydraulic rig		180.00
	Materials		
8	3/4" x 3½" bolts, nuts		12.00
2	8" gaskets		3.50
	TOTAL		$ 522.25

SERVICE CHARGE OF 1½%
PER MONTH WILL BE
MADE ON ALL BALANCES
EXCEEDING 45 DAYS.

000386

PM 14405. REGENT FORMS. BELLMAWR, N.J. 08031

INVOICE

7995

D. L. MAHER CO.
P. O. BOX 127 • CONCORD ST.
NO. READING, MA 01864
(617) 933-3210

pg.3

INVOICE DATE	March 27, 1981
OUR ORDER NO.	CW2-12-81
YOUR ORDER NO.	
TERMS / F.O.B.	net 15 days
SALESMAN	
SHIPPED VIA	

J.J. Riley Co.
Salem ST
Woburn, MA 01801

SHIPPED TO

PPD. OR COL

QUANTITY	DESCRIPTION	PRICE	AMOUNT
	24" well 55 ft. deep to top of vault		
	Static water level March 5 - 1' below surface plate March 20 - 7" above plate		
	Shop Labor - loading and unloading equipment		
4 hrs.		24.50	98.0
	TOTAL		9,165.5
		pd 5/4	6549.-
		pd 5/13	2616.2

000387

FORM 14405. REGENT FORMS. BELLMAWR, N.J. 08031

INVOICE

7995

D. L. MAHER CO.
P. O. BOX 127 • CONCORD ST.
NO. READING, MA 01864
(617) 933-3210

pg.2

INVOICE DATE	March 27, 1981
OUR ORDER NO.	CM2-12-81
YOUR ORDER NO.	
TERMS	net 15 days
F.O.B.	
SALESMAN	
SHIPPED VIA	

J.J. Riley
Salem ST
Woburn, MA 01801

SHIPPED TO

PPD OR COLL.

QUANTITY	DESCRIPTION	PRICE	AMOUNT
	3/13/81		
	6:30 to 8:00 load truck, went to Mann's for chemicals		
	8:00 to 12:00 hook up surge pipe, mix and add 1000 lbs. metaphos		
	12:00 to 3:00 dry surge		
	3:00 to 4:30 take rig down		
8½ machine hrs.		85.00	722.5[illegible]
	3/16/81		
	7:00 to 9:00 set up rig		
	9:00 to 5:00 surge and dry surge - sand GPM - 250, 4 ft., GPF - 62		
.0 machine hrs.		85.00	850.0[illegible]
	3/17/81		
	7:00 to 5:00 surge and dry surge - sand GPM - 250, D.D. 3'-8", GPF - 65		
.0 machine hrs.		85.00	850.0[illegible]
	3/18/81		
	7:00 to 5:00 surge and dry surge - sand GPM - 250, D.D. 3'-8", GPF - 65		
.0 machine hrs.		85.00	850.0[illegible]
	3/19/81		
	6:30 to 5:00 surge and dry surge - some sand GPM - 300, D.D. 4½' - GPF - 66		
.0½ machine hrs.		85.00	892.5[illegible]
	3/20/81		
	6:30 to 7:00 unload truck		
	7:00 to 2:00 surge well GPM - 300, D.D. 4½', GPF - 66		
	2:00 to 4:00 take rig down, move to shop		
9 hrs.		85.00	765.0[illegible]
	Additional materials used:		
1000 lbs.	metaphos @ $ 69.00/100#		695.0[illegible]

000388

FORM 14405. REGENT FORMS, BELLMAWR, N.J. 08031

INVOICE

7995

D. L. MAHER CO.
P. O. BOX 127 • CONCORD ST.
NO. READING, MA 01864
(617) 933-3210

INVOICE DATE: March 27, 1981
OUR ORDER NO.: CW2-12-81
YOUR ORDER NO.:
TERMS: net 15 days
F.O.B.:
SALESMAN:
SHIPPED VIA:

J.J. Riley
Salem ST
Woburn, MA 01301

SHIPPED TO

PPD. OR COLL.

QUANTITY	DESCRIPTION	PRICE	AMOUNT
	Well Maintenance and Redevelopment work completed.		
	3/5/81		
	6:30 to 9:30 unload and load truck		
	9:30 to 10:00 unload jib and drill bar at job site		
	10:00 to 11:00 went to Mann's for chemicals		
	11:00 to 4:30 pullppump with pump truck, put on 24" riser pipe, add 90 gallons bleach		
	Previously billed.		
	3/6/81		
	6:30 to 7:00 load truck		
	7:00 to 10:00 set up rig and jib		
	10:00 to 12:00 add acid and metaphos		
	12:00 to 5:00 dry surge		
	Previously billed.		
	3/9/81		
	6:30 to 7:00 load truck		
	7:00 to 8:00 set up rig		
	8:00 to 5:00 dry surge		
10 machine	hrs.	85.00	850.00
	3/10/81		
	6:30 to 7:00 load truck		
	7:00 to 5:00 surge and dry surge - sand		
	GPM - 340, D.D. - 6 ft., G.P.F. 56		
10 machine	hrs.	85.00	850.00
	3/11/81		
	7:00 to 5:00 surge and dry surge - sand		
	GPM - 340, D.D. - 6 ft., GPF - 56		
10 machine	hrs.	85.00	850.00
	3/12/81		
	6:30 to 5:00 surge and dry surge - sand		
	GPM - 340, D.D. - 6 ft., GPF - 56		
10½ machine	hrs.	85.00	892.50

000389

RM 14405. REGENT FORMS. BELLMAWR, N.J. 08031

INVOICE
7986

D. L. MAHER CO.
P. O. BOX 127 • CONCORD ST.
NO. READING, MA 01864
(617) 933-3210

INVOICE DATE	March 12, 1981
OUR ORDER NO.	CW2-12-81
YOUR ORDER NO.	
TERMS	net 15 days
F.O.B.	
SALESMAN	
SHIPPED VIA	

J.J. Riley
Salem ST
Woburn, MA 01301

SHIPPED TO

PPD. OR COLL.

QUANTITY	DESCRIPTION	PRICE	AMOUNT
	Well maintenance and redevelopment work completed as of 3/6/81		
	3/5/81 - Picked up chemicals, pulled pump, added 24" riser to the well because of high water		
6 hrs.	service man (operated pump rig)	24.50	147.00
8 hrs.	foreman (22W)	24.50	196.00
1½ hrs.	" overtime	28.50	42.75
8 hrs.	helper	22.00	176.00
1½ hrs.	" overtime	25.50	38.25
	hydraulic rig		160.00
	3/6/81 - Set up rig and jib, added chemicals, backflushed, set surge pipe and dry surged		
½ machine	hrs.	85.00	807.50
	Shop Labor - loading and unloading equipment		
man hrs.		24.50	73.50
	Materials		
90 gals.	Wilclorz	1.35	121.50
50 gals.	muriatic acid	1.35	337.50
50#	metaphos	69.50	347.50
	TOTAL		$2,467.50

SERVICE CHARGE OF 1½%
PER MONTH WILL BE
MADE ON ALL BALANCES
EXCEEDING 45 DAYS.

RM 14403. REGENT FORMS. BELLMAWR, N.J. 08031

000390

DUPLICATE COPY

GEORGE MANN & CO., INC.

MERCHANTS AND DISTRIBUTORS OF HEAVY CHEMICALS

OFFICE AND WAREHOUSE HARBORSIDE BOULEVARD
MUNICIPAL DOCK, PROVIDENCE, R.I. 02901
TEL. 401-781-5600

SEND ALL REMITTANCES
TO P.O. BOX 9066
PROVIDENCE, R.I. 02940

105 CENTRAL STREET
STONEHAM, MASS. 02180
TEL. 617-729-2910

2600 DIXWELL AVENUE
HAMDEN, CT. 06514
203-248-1840

SOLD TO:
D L MAHER COMPANY
P O BOX 127
N. READING, MA.
01864

SHIP TO IF DIFFERENT FROM SOLD TO:

SHIP DATE	CONTROL	INVOICE DATE	INVOICE NO.	ORDER NO.	CUST. NO.	SHIP VIA	SLSMN	TERMS
03/05/81	69201	03/05/81	36809	2190	35820	CUSTOMER PICKUP PPD	05	

QUANTITY ORDERED	QUANTITY SHIPPED	ITEM NUMBER	DESCRIPTION	WEIGHT	PRICE	PER	LESS %	CODE	AMOUNT
6	6	112522	WILCLOR 2 15G DR	90	.99	G		2	89.10
	6	19041D	CONT 15 GAL DEL	6	25.00	E		2	150.00
5	5	303712	MURIATIC ACID 20 DEG 500# DR PT	2500	.0785	P		2	196.25
	5	19043D	CONTAINERS 55 GAL PLASTI	5	50.00	E		2	250.00
5	5	123702	METAPHOS GRANULAR 100# BAG	500	55.50	C		3	277.50
			FRT. PROV.-READING	505	4.390	C			22.17

file copy
CW 2-12-81

VISIT US AT 1981 EXPO/PROVIDENCE
CIVIC CENTER, MAR 22-25, BOOTH 105

CODE EXPLANATION		
POUND	M—THOUSAND	1—DELIVERED
GALLON	T—TON	2—X STORE
HUNDRED	E—EACH	3—FOB WORKS

LOCATION 2

PAY THIS AMOUNT
965.02

Containers remain the property of the Seller and to guarantee their return a deposit is required. Containers returned in good condition within 90 days are to be credited only to BUYER'S account and not to successors, assigns, receivers or trustees of BUYER.
A service charge of one percent (1%) per month will be assessed on all balances which extend beyond terms agreed to by our credit department.

NO DISCOUNT ALLOWED ON CONTAINERS

PURCHASE ORDER

D. L. MAHER CO.

P. O. BOX 127 • NORTH READING, MA 01864

933-3210

NO. 2190

THIS NUMBER MUST APPEAR ON INVOICES, B/L, BUNDLES, CASES PACKING LISTS AND CORRESPONDENCE.

T.J. Billing 6-12-91

DATE 3/5/91

DATE WANTED

TERMS

FOB

SHIP VIA

George Mann Co

Billing

QUANTITY	DESCRIPTION	PRICE	AMOUNT
6	15 Gal Wilclor		
250	Muriatic		
500	lbs Mutapkos		

Tax Exempt

BY [signature]

AUTHORIZED SIGNATURE

000392

FORM 15504 REGENT FORMS BELLMAWR N J 08031

DUPLICATE COPY

SEND ALL REMITTANCES
TO P.O. BOX 9066
PROVIDENCE, R.I. 02940

GEORGE MANN & CO., INC.

MERCHANTS AND DISTRIBUTORS OF HEAVY CHEMICALS

OFFICE AND WAREHOUSE HARBORSIDE BOULEVARD
MUNICIPAL DOCK, PROVIDENCE, R.I. 02901
TEL. 401 781-5600

105 CENTRAL STREET
STONEHAM, MASS. 02180
TEL. 617-729-2910

2600 DIXWELL AVENUE
HAMDEN, CT 06514
203-248-1840

LD TO:
D L MAHER COMPANY
P O BOX 127
N. READING, MA.

SHIP TO IF DIFFERENT FROM SOLD TO:

01454

P DATE	CONTROL	INVOICE DATE	INVOICE NO.	ORDER NO.	CUST. NO.	SHIP VIA	SLSMN	TERMS
/13/81	69746	03/13/81	37368	2206	35820	CUSTOMER PICKUP PPD	06	2%

TITY ERED	QUANTITY SHIPPED	ITEM NUMBER	DESCRIPTION	WEIGHT	PRICE	PER	LESS %	CODE	AMOUNT
10	10	123702	METAPHOS GRANULAR 100# BAG	1000	55.50	C		3	555.00
			FRT. F.O.B. PROV. RI-STONEHAM, MA	1010	4.390	C			44.34

file copy
J. J. Riley's
C.W. 2-12-81

VISIT US AT 1981 EXPO/PROVIDENCE
CIVIC CENTER, MAR 22-25, BOOTH 105

CODE EXPLANATION

OUND	M—THOUSAND	1—DELIVERED
GALLON	T—TON	2—X STORE
UNDRED	E—EACH	3—FOB WORKS

LOCATION 2

PAY THIS AMOUNT
599.34

Containers remain the property of the Seller and to guarantee their return a deposit is required. Containers returned in good condition within 90 days are to be credited only to BUYER'S account and not to successors, assigns, receivers or trustees of BUYER.
A service charge of one percent (1%) per month will be assessed on all balances which extend beyond terms agreed to by our credit department.

NO DISCOUNT ALLOWED ON CONTAINERS

000393

PURCHASE ORDER

D. L MAHER CO.

P. O. BOX 127 • NORTH READING, MA 01864

933-3210

NO 2208

THIS NUMBER MUST APPEAR ON INVOICES, B/L, BUNDLES, CASES PACKING LISTS AND CORRESPONDENCE.

Riley Cw 2-12-91

DATE

3/13/91

DATE WANTED

TERMS

F.O.B.

SHIP VIA

TO

George Mann Co.
105 Central St.
Stoneham, MA.

Pickup

QUANTITY	DESCRIPTION	PRICE	AMOUNT
1000	lbs Mintophos Granular		

Tax Exempt

BY Dan Mirko

AUTHORIZED SIGNATURE

000394

REGENT FORMS, BELLMAWR, N.J. 08031

CUSTOMER'S COPY

GINN OIL COMPANY

PETROLEUM PRODUCTS
57 WINN ST. - P. O. BOX 87
WOBURN, MASS. 01801
OFFICE AND PLANT - 933-6100
NEW OIL BURNER—SALES AND SERVICE

900 90

Date 3-11 19 81

Sold to O. R. Smaker

Address Kelly Park

CASH | X | REG. NO.

	Gals. Range Oil		
	" #2 Fuel Oil		
15	" Diesel	125	1875
	Gals. Gas - Reg.		
	" " - No Lead		
	" " - Ethyl		
	Qts. Oil		
	Received on Account		
	TAX		
	TOTAL		1875

No. 24692 Rec'd By

file copy

000395

DUPLICATE COPY

GEORGE MANN & CO., INC.

MERCHANTS AND DISTRIBUTORS OF HEAVY CHEMICALS

OFFICE AND WAREHOUSE HARBORSIDE BOULEVARD
MUNICIPAL DOCK, PROVIDENCE, R.I. 02901
TEL. 401-781-5600

SEND ALL REMITTANCES
TO P.O. BOX 9066
PROVIDENCE, R.I. 02940

105 CENTRAL STREET
STONEHAM, MASS. 02180
TEL. 617-729-2910

2600 DIXWELL AVENUE
HAMDEN, CT. 06514
203-248-1840

SOLD TO:

D L MAHER COMPANY
P O BOX 127
N. READING, MA.

SHIP TO IF DIFFERENT FROM SOLD TO:

C1664

SHIP DATE	CONTROL	INVOICE DATE	INVOICE NO.	ORDER NO.	CUST. NO.	SHIP VIA	SLSMN	TERMS
2/12/81	67917	02/12/81	35403	2151	35620	CUSTOMER PICKUP PPD	00	

QUANTITY ORDERED	QUANTITY SHIPPED	ITEM NUMBER	DESCRIPTION	WEIGHT	PRICE	PER	LESS %	CODE	AMOUNT
6	6	112522	WILCLOR 2 15G DR	90	.99	G		2	89.10
	6	19041D	CONT 15 GAL DEL	6	25.00	E		2	150.00
5	5	303852	MURIATIC ACID 22 DEG FT 500# DR FT	2500	.0890	P		2	222.50
	5	19043D	CONTAINERS 55 GAL PLASTI	5	50.00	E		2	250.00

file copy
c. w.
2-12-81

CODE EXPLANATION		
—POUND	M—THOUSAND	1—DELIVERED
—GALLON	T—TON	2—X STORE
—HUNDRED	E—EACH	3—FOB WORKS

LOCATION 2

PAY THIS AMOUNT 711.60

Containers remain the property of the Seller and to guarantee their return a deposit is required. Containers returned in good condition within 90 days are to be credited only to BUYER'S account and not to successors, assigns, receivers or trustees of BUYER.
A service charge of one percent (1%) per month will be assessed on all balances which extend beyond terms agreed to by our credit department.

NO DISCOUNT ALLOWED ON CONTAINERS

000396

Rikeys

March 5, 1981	6:30-9:30	Unload + Load Truck.
	9:30-10:00	- Unload T.B + Drill Bar AT TOB Sight
	10:00-11:00	Went to MANDS for Chemicals
	11:00-4:30	Pull Pump with Pump Truck. - Put on 24" riser Pipe - Add 90 Gals Bleach
March 6, 1981	6:30-7:00	Load Truck
	7:00-10:00	Set up rig + T.B
	10:00-12:00	Add Acid + MetaFos
	12:00-5:00	Dry Surge
March 9, 1981	6:30-7:00	Load Truck
	7:00-8:00	Set up rig
	8:00-5:00	Dry Surge
March 10, 1981	6:30-7:00	Load Truck.
	7:00-5:00	Surge + Dry Surge G.P.M. 340 - DD - 6FT - G.P.F 56
Mar. 11, 1981	7:00-5:00	Surge + Dry Surge G.P.M 340 - DD - 6FT - G.P.F 56

Riley's

March 12, 1981 6:30-5:00 Surge + Dry Surge
G.P.M 340-DD-6FT-G.P.F56

March 13, 1981 6:30-8:00 Load Truck - Went to
Mann's for Chemicals
8:00-12:00 Hook up Surge Pipe
Mix + Add 1000 lbs
MetAFos
12:00-3:00 Dry Surge
3:00-4:30 Take rig down

March 16, 1981 7:00-9:00 Set up rig
9:00-5:00 Surge + Dry Surge
G.P.M 250-4FT-GPF62

March 17, 1981
7:00-5:00 Surge + Dry Surge
G.P.M 250-DD 3FT8"-GPF65

March 18, 1981 7:00-5:00 Surge + Dry Surge
G.P.M 250-DD 3-8" GPF 65

March 19, 1981 6:30-5:00 Surge + Dry Surge
G.P.M 300-DD 4½FT-GPF66

Riley's

March 20, 1981 6:30-7:00 Unload Truck.
7:00-2:00 Surge Well
GPM 300- DD 4½ - GPF 66
2:00-4:00 Take rig down
Move to Shop.

Meterials used
90 Gals Bleach
250 Gals Acid.
1500 lbs MetaFos

24" well.
55 FT. Deep to top of Valut

D. L. MAHER CO.

Daily Time Report

Date: 23 March 81

Owner: Rileys

Job Site:

Monday

Job No. CW2-10-8

Truck No.	Total Mileage	Starting Time	Arrival Time at Job Site	From Lunch	To	Departure Time From Job Site	Arrival Time at Shop	Driving Time From Job Site	Total Allowed Travel Time	Total Job Site Time	Total Daily Time	
8-1	8	9 30			3 30			1½	6	7½		Tom Niplid
	9	9 30			1			½	3½	4		Kevin Maher
	1				3 30					2½		Fred Lavoie

Work Performed

~~Set~~ load pump motor blocking set pump put in check valve

Jim Maher

Materials moved on or off job

8-3/4 x 3½ Bolts 8-3/4 Nuts 2-8" Gaskets

000400

D. L. MAHER CO.
Daily Time Report

Date: March 20, 1981 Friday
Owner:
Job Site: Riley's Job No. GW 2-12-81

Truck No.	Total Mileage	Starting Time	Arrival Time at Job Site	From Lunch	To	Departure Time From Job Site	Arrival Time at Shop	Driving Time From Job Site	Total Allowed Travel Time	Total Job Site Time	Total Daily Time	
79-1 2W	6:30	7:00	12:00	12:30		4:00				9	9	S. Kelly
	6:30	7:00	12:00	12:30		4:00				9	9	D. Brady

Work Performed

Developing well 66 GPF - Pull Surge Pipe - Take Rig down Move to Shop.

Materials moved on or off job

6:30-4:00 - UnLoad Truck.

000401

D. L. MAHER CO.
Daily Time Report

Date: March 19, 1981 Thursday

Owner:

Job Site: Ripleys Job No. CW2-12-81

Truck No.	Total Mileage	Starting Time	Arrival Time at Job Site	From Lunch	To	Departure Time From Job Site	Arrival Time at Shop	Driving Time From Job Site	Total Allowed Travel Time	Total Job Site Time	Total Daily Time	
79.1		6:30	6:30	12:00	12:30	5:00				10	10	S. Kelly
		6:30	6:30	12:00	12:30	5:00				10	10	D. Brad.

Work Performed

J.M. Ahm
Developing Well
66 G.P.F.

Materials moved on or off job

000402

D. L. MAHER CO.
Daily Time Report

Date: March 18, 1981 Wednesday

Owner:

Job Site: Riley Job No. CWF-12-81

Truck No.	Total Mileage	Starting Time	Arrival Time at Job Site	From Lunch	To	Departure Time From Job Site	Arrival Time at Shop	Driving Time From Job Site	Total Allowed Travel Time	Total Job Site Time	Total Daily Time	
79-1		7:00	7:00	12:00	12:30	5:00				9½	9½	S. Kelly
		7:00	7:00	12:00	12:30	5:00				9½	9½	J. Brady

Work Performed

Surging 24" Well

Materials moved on or off job

000403

D. L. MAHER CO.
Daily Time Report

Date: March 17, 1981 Tuesday
Owner:
Job Site: Rileys Job No. CW 3-12-91

Truck No.	Total Mileage	Starting Time	Arrival Time at Job Site	From Lunch	To	Departure Time From Job Site	Arrival Time at Shop	Driving Time From Job Site	Total Allowed Travel Time	Total Job Site Time	Total Daily Time	
79-1		6:30	7:00	12:00	12:30	5:00				10	10	S. Kelly
		7:00	7:00	12:00	12:30	5:00				9½	9½	D. Brady

Work Performed

J.M. [illegible]

Surging 24" Well.

Materials moved on or off job

000404

D. L. MAHER CO.
Daily Time Report

Date: MARCH 16, 1981 Monday

Owner:

Job Site: RILEY'S Job No. CW2-13-81

Truck No.	Total Mileage	Starting Time	Arrival Time at Job Site	From Lunch	To	Departure Time From Job Site	Arrival Time at Shop	Driving Time From Job Site	Total Allowed Travel Time	Total Job Site Time	Total Daily Time	
	7:00	7:00	12:00	12:30	5:00				9½	9½		S. Kelly
	7:00	7:00	12:00	12:30	5:00				9½	9½		D. Brady

Work Performed

J.M. Hall

- Set up rig - Surge + Dry Surge
62 G.P.F.

Materials moved on or off job

000405

D. L. MAHER CO.
Daily Time Report

Date: MARCH 13, 1981 Friday
Owner:
Job Site: RILEYS Job No. GW2-12-81

Truck No.	Total Mileage	Starting Time	Arrival Time at Job Site	From Lunch	To	Departure Time From Job Site	Arrival Time at Shop	Driving Time From Job Site	Total Allowed Travel Time	Total Job Site Time	Total Daily Time	
7-1	6:30	8:00	12:00	12:30		4:30	4:30			9½	9½	S. Kelly
	7:00	8:00				12:00				5	5	Joe McColl
		3:00				4:30				1½	1½	B. Davis

Work Performed

Hook up Songe Pipe + Dry Songe - While Mixing 1000 lbs Metafos - Take rig down + Move from Riley

Materials moved on or off job

6:30-8:00 Load Truck Went to MADDS

000406

D. L. MAHER CO.
Daily Time Report

Date: March 12, 1981

Thursday

Owner:

Job Site: Rikeys

Job No. CW2-12-81

Truck No.	Total Mileage	Starting Time	Arrival Time at Job Site	From Lunch	To	Departure Time From Job Site	Arrival Time at Shop	Driving Time From Job Site	Total Allowed Travel Time	Total Job Site Time	Total Daily Time	
	6:30	6:30	12:00	12:30		5:00				10	10	S. Kelly
	6:30	6:30	12:00	12:30		5:00				10	10	D. Brady

Work Performed

JT Mill Surge + Dry Surge
56 G.P.F.

Materials moved on or off job

000407

D. L. MAHER CO.
Daily Time Report

Date: MARCH 11, 1981 Wednesday

Owner:

Job Site: Riley's Job No. CW 2-12-81

Truck No.	Total Mileage	Starting Time	Arrival Time at Job Site	From Lunch	To	Departure Time From Job Site	Arrival Time at Shop	Driving Time From Job Site	Total Allowed Travel Time	Total Job Site Time	Total Daily Time
7-1	7:00	7:00	12:00	12:30	5:00				9½	9½	S. Kelly
	7:00	7:00	12:00	12:30	500				9½	9½	D. Brady

Work Performed

Surge + Dry Surge.

Materials moved on or off job

000408

D. L. MAHER CO.
Daily Time Report

Date: March 10, 1981 Tuesday

Owner:

Job Site: Riley 5 Job No. CW2-12-81

Truck No.	Total Mileage	Starting Time	Arrival Time at Job Site	From Lunch	To	Departure Time From Job Site	Arrival Time at Shop	Driving Time From Job Site	Total Allowed Travel Time	Total Job Site Time	Total Daily Time
9-1	6:30	7:00	12:00	12:30	5:00				10	10	S. Kelly

Work Performed

Surge + Dry Surge

J.M. Mc

Materials moved on or off job

6:30-7:00 Load Truck 4" Pump + hose

000409

D. L. MAHER CO.

Daily Time Report

Date: 10 March 81

Tuesday

Owner: Rileys

Job Site:

Job No. CW2-12-81

Truck No.	Total Mileage	Starting Time	Arrival Time at Job Site	From Lunch	To	Departure Time From Job Site	Arrival Time at Shop	Driving Time From Job Site	Total Allowed Travel Time	Total Job Site Time	Total Daily Time
	7				8					1	Tom McKiel

Work Performed

helped crew get set up and running

TM.

Materials moved on or off job

D. L. MAHER CO.
Daily Time Report

Date: MARCH 9, 1981 Monday

Owner:

Job Site: R. Keys

Job No. CW 2-12-81

Truck No.	Total Mileage	Starting Time	Arrival Time at Job Site	From Lunch	To	Departure Time From Job Site	Arrival Time at Shop	Driving Time From Job Site	Total Allowed Travel Time	Total Job Site Time	Total Daily Time
91											
	6:30	7:00	12:00	12:30	5:00				10	10	S. Kelly
	6:30	7:00	12:00	12:30	5:00				10	10	D. Brady

Work Performed

J.M. [illegible]

Set up rig - Dry Surge

Materials moved on or off job

6:30-7:00 Load Truck

000411

D. L. MAHER CO.
Daily Time Report

Date: March 6, 1981 Friday
Owner:
Job Site: Ryleys Job No. CW2-12-51

Truck No.	Total Mileage	Starting Time	Arrival Time at Job Site	From Lunch	To	Departure Time From Job Site	Arrival Time at Shop	Driving Time From Job Site	Total Allowed Travel Time	Total Job Site Time	Total Daily Time	
9-1		6:30	7:00	12:00	12:30	5:00	5:00			10	10	S. Kelly
		6:30	7:00	12:00	12:30	5:00	5:00			10	10	D. Brady

Work Performed

Set up rig + T.B.
Add Chemicals + Dry Surge.
J.M. [illegible]

Materials moved on or off job

6:30-7:00 Load Truck.

D. L. MAHER CO.
Daily Time Report

Date: 3-6-81

Owner: J. J. Riley

Job Site:

Friday

Job No. CW 2-12-81

Truck No.	Total Mileage	Starting Time	Arrival Time at Job Site	From Lunch	To	Departure Time From Job Site	Arrival Time at Shop	Driving Time From Job Site	Total Allowed Travel Time	Total Job Site Time	Total Daily Time
		700				800					1	John McNeil
		700				800					1	Paul Bishop

Work Performed

unloaded pump-motor

J.T.M

Materials moved on or off job

000413

D. L. MAHER CO.

Daily Time Report

Date: 3-5-81

Owner: J J Riley

Job Site:

Thursday

Job No. CW2-12-81

Truck No.	Total Mileage	Starting Time	Arrival Time at Job Site	From Lunch	To	Departure Time From Job Site	Arrival Time at Shop	Driving Time From Job Site	Total Allowed Travel Time	Total Job Site Time	Total Daily Time
		11:00				5:00				6	[illegible]

Work Performed

pulled submersible - pump motor -
we had to bolt on a section of 24" casing as water was
up over the top of well then added chemicals

J.M. Hill

Materials moved on or off job

000414

D. L. MAHER CO.
Daily Time Report

Date: March 5, 1981 Thursday

Owner:

Job Site: Ripleys

Job No. CW2-12-9

Truck No.	Total Mileage	Starting Time	Arrival Time at Job Site	From Lunch	To	Departure Time From Job Site	Arrival Time at Shop	Driving Time From Job Site	Total Allowed Travel Time	Total Job Site Time	Total Daily Time	
9-1 2-W		6:30	9:30	12:00	12:30	4:30	4:30			9½	9½	S. Kelly
		6:30	9:30	12:00	12:30	4:30	4:30			9½	9½	D. Brady

Work Performed

Went to Mann's for Chemicals
Pull Pump - Put on riser Pipe on 24" Casing
J.M. Mall

Materials moved on or off job

6:30-9:30 UnLoad + Load Truck.

000415

D. L. MAHER CO.
Daily Time Report

Date: 18 Feb 81 Wednesday
Owner: Riley's
Job Site:
Job No. C.W2-12-81

Truck No.	Total Mileage	Starting Time	Arrival Time at Job Site	From Lunch To	Departure Time From Job Site	Arrival Time at Shop	Driving Time From Job Site	Total Allowed Travel Time	Total Job Site Time	Total Daily Time	
75-1	14	2			3					1	Tom Mikel

Work Performed

went down and spread 5 bags of lime and checked draw-down

1'-4 STATIC 20'-4 Pumping level 496 GPM

Materials moved on or off job

000416

D. L. MAHER CO.
Daily Time Report

Date: 17 Feb 81

Owner: JT Phips

Tuesday

Job Site:

Job No. CW2-12-81

Truck No.	Total Mileage	Starting Time	Arrival Time at Job Site	From Lunch	To	Departure Time From Job Site	Arrival Time at Shop	Driving Time From Job Site	Total Allowed Travel Time	Total Job Site Time	Total Daily Time
75											
14	730	830				10		1	1½	2½	Tom [illegible]
	730					10				1½	Bill Davis

Work Performed

made up 1½" riser with 2" gate valve and fire hose fitting - installed flapper check in check valve and set up to pump to waste 500GPM

Materials moved on or off job

000417

D. L. MAHER CO.

Daily Time Report

Date: 13 Feb 81 Friday

Owner: JJ Riley

Job Site:

Job No. CW 2-12-81

Truck No.	Total Mileage	Starting Time	Arrival Time at Job Site	From Lunch	To	Departure Time From Job Site	Arrival Time at Shop	Driving Time From Job Site	Total Allowed Travel Time	Total Job Site Time	Total Daily Time	
1-1		8 30				9 30					1	Tom Mikel
		8 30				9 30					1	Bill Davis
		1				4 30					3½	Tom Mikel
		1				4 30					3½	Bill Davis

Work Performed

8 30 – 9 30 Pump Acid and Bleach to Riley and unload

1 – 4 30 add bleach with water behind then acid with water behind to flush out of check valve

Materials moved on or off job

90 Gal Bleach 250 Gal Acid

000418

EXHIBIT
Maher #17
1.15.86 TW

5 pages

Knapp, G.P. 07-223-P

Emergency

Job File

n: D. Maher

Date: 7-25-84

ller:

Rig: Boom

: J.J. Riley - #2

Job No.:

ineer:

Contact: Jack Riley, Jim Grainger

ne:

Phone: 933-5900

Site: Salem ST, Woburn, Ma

pe of Work: EPA dropped a Tape down the well + it was sucked into the pump. The pump is down.

Pull it + remove any Tape that may be stuck + reinstall

jected Materials to be Needed:

000420

INVOICE

D. L. MAHER COMPANY
P. O. BOX 127 • CONCORD STREET
NORTH READING, MA 01864
(617) 933-3210

#9814
Pd 8/31

INVOICE DATE	July 31,1934
OUR ORDER NO	84-233-PS
YOUR ORDER NO.	Well #2
TERMS	Net 15 days
F.O.B.	
SALESMAN	
SHIPPED VIA	

J.J. Riley
Salem Street
Woburn, MA 01801

PPD OR COLL

ANTITY	DESCRIPTION	PRICE	AMOUNT
	7/26/34		
	0700 to 1100 - Pulled pump with 8" column & coupling. Measuring tape was wrapped around the inlet part. Removed all but 1 inch. An 8" pipe & coupling had a hole in it. The men returned to the shop to wait for the pipe to be ready.		
	1330 to 1830 - Inspected oil level. Reset pump - Ran - motor megged Inf.		
8 hrs.	Serviceman, including travel @	31./hr.	248.00
. hr.	Overtime @	36.50	36.50
8 hrs.	Helper	28.25	226.00
. hr.	Overtime	32.25	32.25
	Hydraulic rig		260.00
20 mi.	@	.70/mi.	14.00
			$816.75

SERVICE CHARGE OF 1½%
PER MONTH WILL BE
MADE ON ALL BALANCES
EXCEEDING 45 DAYS.

8/9

000421

RAPIDFORMS, INC., BELLMAWR, N.J. 08031

FILE NO.	E.J.M.	D.L.M.	R.J.M.	F.J.K.	P.H.S.	B.P.K.	

MAY 7 1985

SUN-STAR ELECTRIC INC.
1115-A Slaton Highway
LUBBOCK, TEXAS 79404
(806) 745 - 7827 or (806) 793 - 2812
Telex 910 380 0813 - EL # 6283 3719

May 3, 1985

Denis L Maher, Jr.
The Maher Corp.
P.O. Box 127
North Reading, MA 01864

Dear Denis:

In response to your letter of April 30, we would like to acquire your Byron Jackson carcass.

We would offer $250.00 cash or $500.00 credit against any future repairs or exchange needs. If this is acceptable to you than please ship this motor in the following manner.

Ship the carcass freight collect to us. Ship this via Consolidated Freighways or Yellow Freight. Mark the freight bill with the following information: "For Salvage Only, Class 50, Item #106610"

We thank you for your letter and hope to be of further assistance to you in the future.

Sincerely yours,

D. D. Duhan
President

DDD/fov

Send this to
Charlie Sheehan
at J.J. Riley's
Salem St
Woburn, Ma

C.C. to JJ Riley w/S file

000422

Riley's 84 233 - PS

8/1 - 35 gals gas 10585 36.83

D.L. MAHER CO. DAILY TIME REPORT Date: 26 July 84 THURS

Owner: J.J. Ricks Location: Submersible Pump Job No. 84-233-PS

Foreman (1) Tom McNeil Helper (2) Fred Lewis (3) Don Murphy (4)

Truck No. 78-1 MT. 20

	To	1	2	3	4	DETAILED REPORT
7:00	1100	4	4			Pulled Pump — 8" Column & Coupling had a hole in it — Measuring Tape was wrapped around shaft — Cut out Tape & Plunker Returned to Shop to wait for Then to call with New Pipe
13:00	1530	5	~~4~~	5		checked to make ~~sure~~ sure oil was up in Motor Reset pump — Raw Pump — Motor & Megged Inf.

Materials used or moved on or off job:

8-3/4 x 3½ Bolts & Nuts 4-Rolls Tape 8" Ring Gasket

8-7/16 x 1½ Bolts Nuts & Flat Washers

Shop time			
Travel time			
Site time	9	4	5
Total time	9	4	5

000424

missing

Response 16

EXHIBIT
Maher #5
1.15.86 VAW

98 pages

000297

Riley Pump Jan 31, 1958

Submersible 220V

as per Mr. Maher

70# DISCHARGE — 161 ft
SUCTION — 20 ft
Friction — 10 ft
191 ft T.D.H

70#
with 20# diff in Elevation
50# at Factory

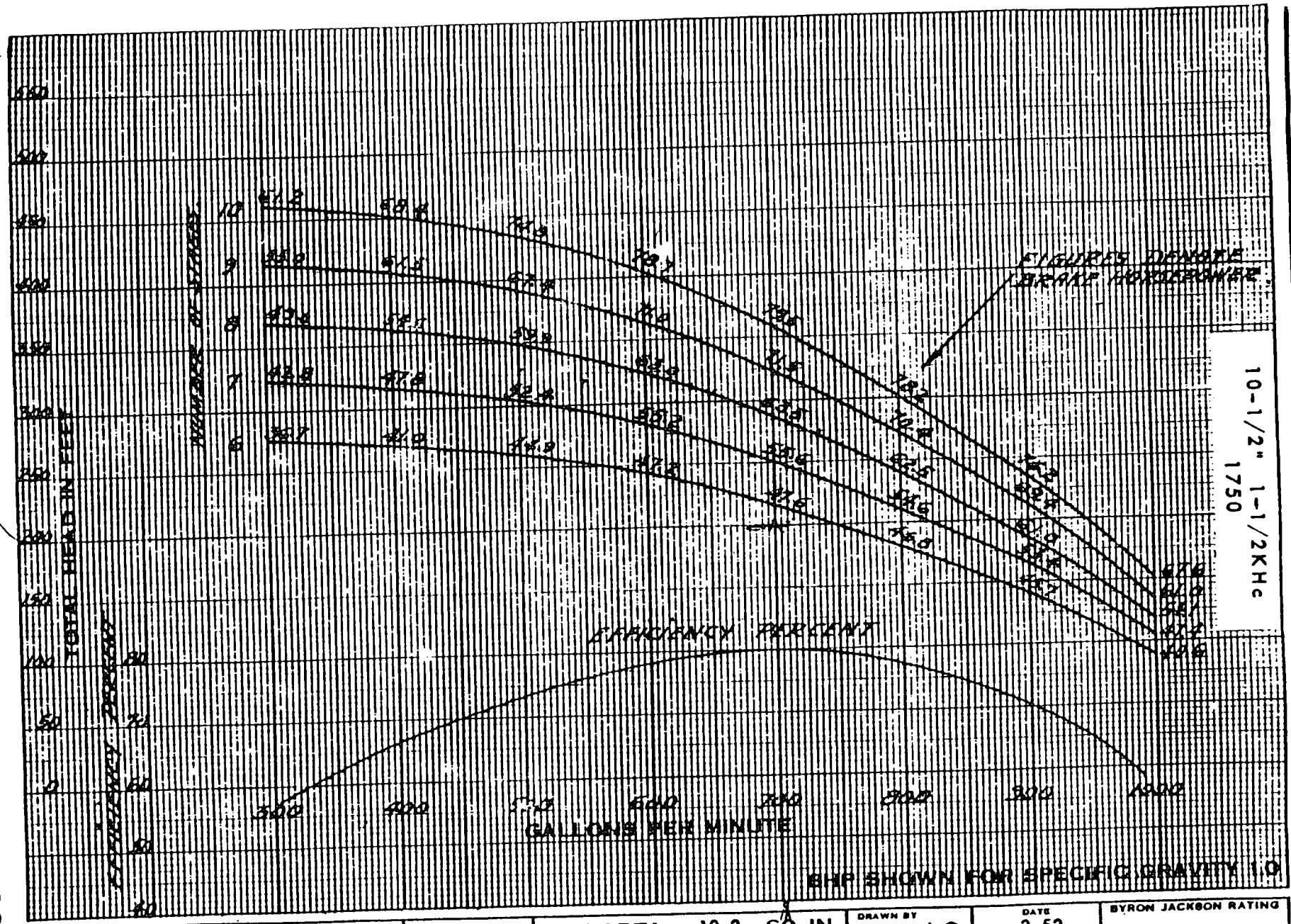
$$\frac{700 \text{ G.P.M} \times 190' \text{ T.D.H.}}{4000 \quad .8} = 41.6 \text{ H.P.} \quad (50 \text{ HP})$$

this job somewhat similar to Hartnett which was based on 700 G.P.M at 200 T.D.H
hartnett was 10 1½ KHC 1 stage
KH-4 stage
5 stage 50 HP

000298

BYRON JACKSON CO.
DEEPWELL TURBINE PUMPS

SUPERSEDES ALL PREVIOUS ISSUES



PUMP SIZE AND TYPE	RPM	EYE AREA = 10.2 SQ. IN.	DRAWN BY J.G.	DATE 3-52	BYRON JACKSON RATING
10-1/2" 1-1/2KHc DEEPWELL	1750		SUPERSEDES	DATE	K-1764-A

US EPA ARCHIVE DOCUMENT

EVERYTHING FOR THE WELL

A.D.COOK-INCORPORATED

LAWRENCEBURG INDIANA

ENGINEERING DEPARTMENT

PATTERN 'TS'

12" - DEEP WELL TURBINE PUMP

CAPACITY - L-M

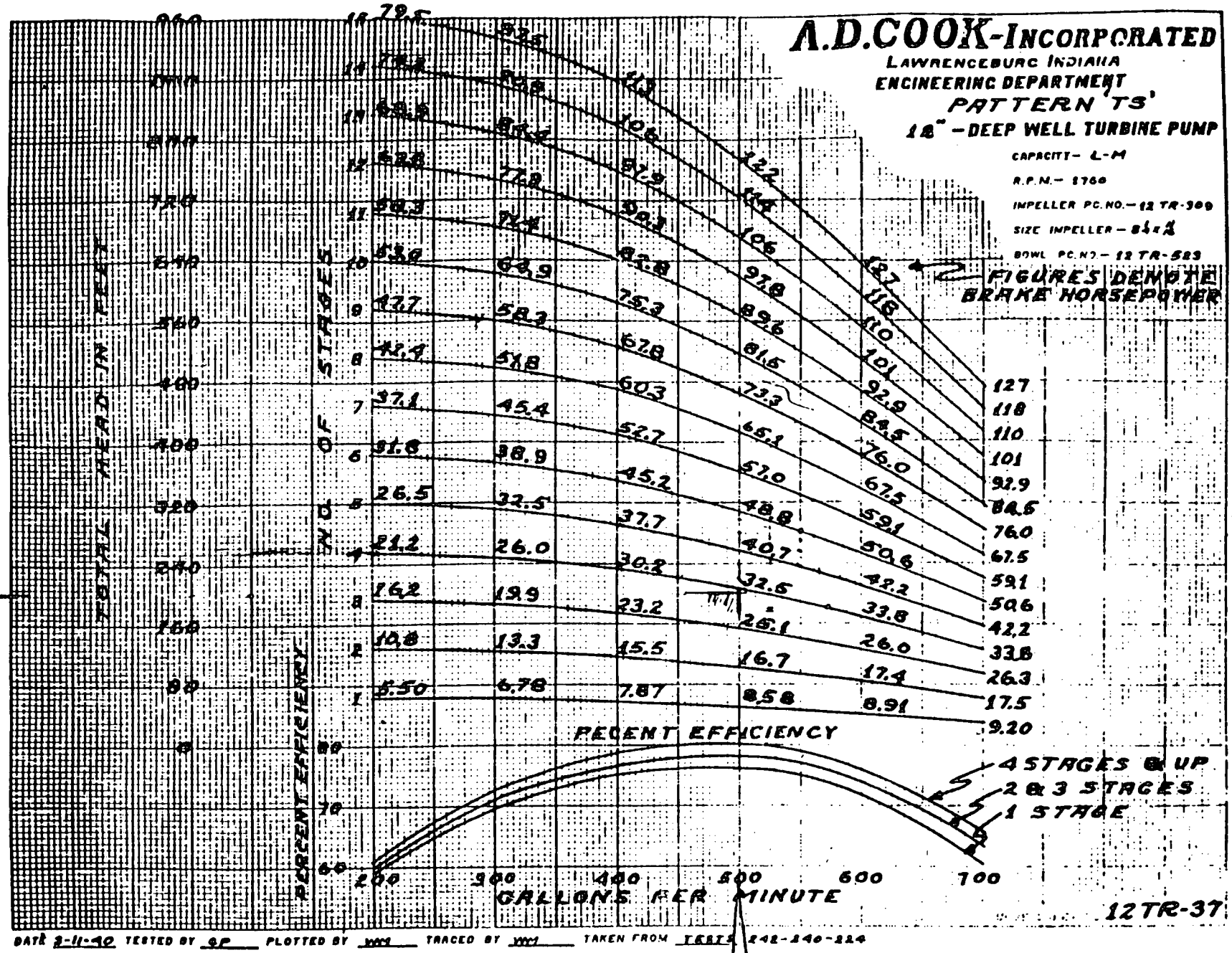
R.P.M. - 1760

IMPELLER PC. NO. - 12 TR-309

SIZE IMPELLER - 8¼ x ⅞

BOWL PC. NO. - 12 TR-523

FIGURES DENOTE BRAKE HORSEPOWER



12TR-37

DATE 2-11-40 TESTED BY GP PLOTTED BY WM TRACED BY WM TAKEN FROM TESTS 242-240-224

12"-4 STAGE (TILEY)
4/14/49

D. L. MAHER CO.

LOG OF TEST WELL

Log of Well for Riley's Tannery Test No. 1

Address Salem Street Woburn Mass.

Well located at Salem Street in County, State of Mass.

Date Drilling started 1/16/58 Date Test Hole Completed 1/20/58

Total depth to bottom of Well 64' Diameter Test Hole 2½"

Water stands when not pumping feet 6" inches from the surface of the ground.

EACH STRATUM	DEPTH OF STRATA	FORMATION FOUND EACH STRATUM
[illegible]	10'-8"	0 to 21' light brown
[illegible]	15'-11"	sand pulled in hole.
[illegible]	21'-2"	21' to 26' light brown
[illegible]	26'-3"	sand pulled in hole.
[illegible]	32'	26' to 32' dirty brown
[illegible]	37'-4"	sand and gravel. Pulled
[illegible]	43'-[illegible]"	fine brown sand.
[illegible]	48'-11"	32' to 37' dirty brown.
[illegible]	54'-2"	brown sand and gravel.
[illegible]	59'-3"	Pulled and hole caved.
[illegible]	64'-7"	37' to 43' dirty brown sand
		and gravel. Hole caved
		from sand. Tried
		to drive sand from 40' on.
		43'-54' dirty brown sand
		and gravel. Pulled heavy.
		54' to 64' dirty brown
		sand and gravel. Pulled
		very pumped sand.

Did Well Clear Up? Yes

How Long? 20 minutes

Time Pumped? 4 hours

Drawdown 4 Ft. 0" In.

Capacity 40 gallons per minute

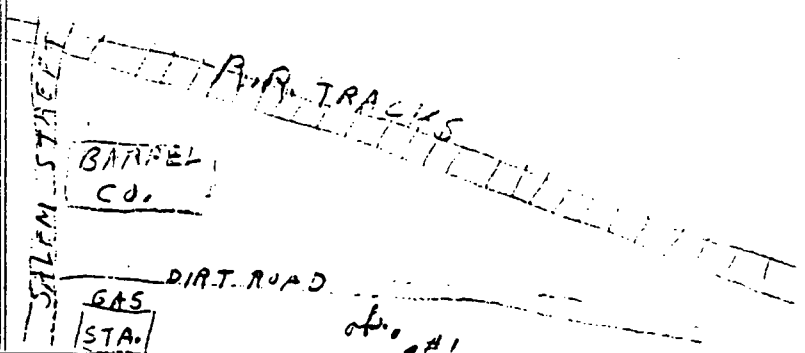
Time Required for Recovery? Filled in 1½ minutes.

Was Well Pulled? No

Observation Yes What Depth? 64'

Was Observation Well Pulled? No

Map of Location



Remarks and opinion of Test Well good for depth of 65'. Well good for Capacity. 10 gallons per foot of drawdown. Water has sweet odor.

Driller Charles Maher

Helpers Donald Hart

000301

D. L. MAHER CO.

LOG OF TEST WELL

Log of Well for Riley's Tannery Co. Test No. 2

Address 22 Salem Street Wilmington, Mass.

Well located at Northeast of Barrel Co. in County, State of Mass.

Date Drilling started 1/21/58 Date Test Hole Completed 1/24/58

Total depth to bottom of Well 54' Diameter Test Hole 2½"

Water stands when not pumping 1' feet 4" inches from the surface of the ground.

EACH STRATUM	DEPTH OF STRATA	FORMATION FOUND EACH STRATUM
[illegible]	9'-10"	0' to 9' fine to med. brown
[illegible]-10" to	15'-4"	sand and gravel packed sand.
[illegible]-4" to	20'-11"	26' to 37' fine to med. brown
[illegible]-11" to	26'-7"	sand and gravel packed
[illegible]-7" to	32'-1"	gravel packed sand.
[illegible]-1" to	37'-7"	37' to 49' med. to coarse
[illegible]-7" to	43'-8"	brown sand and gravel
[illegible]-8" to	49'-1½"	packed sand.
[illegible]-1½" to	54'-4"	49' to 54' fine to med.
		brown sand and gravel
		packed sand.
		Drove hard from
		30' on.

Did Well Clear Up? yes

How Long? 20 minutes

Time Pumped? 9 hours

Drawdown 1 Ft. In.

Capacity 55 gallons per minute

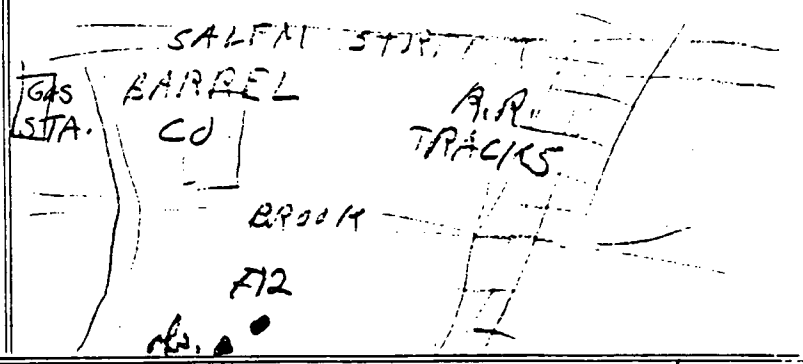
Time Required for Recovery? Within 2" in 1 minute

Was Well Pulled? No

Observation Yes What Depth? 54'

Was Observation Well Pulled? No

Map of Location



Remarks and opinion of Test Well good for approx. 50 gals. per foot of drawdown at 54' depth.

Driller Charles Mackey

Helpers Donald Farr

000302

April 15, 1958

John J. Riley Co.
228 Salem Street
Woburn, Massachusetts

Re: Turbine Pump for
Gravel Well No. 2

Attention: Mr. John J. Riley, Jr.

Gentlemen:

We wish to quote you a price for a Byron Jackson Mercury Sealed Submersible Motor and Turbine Pump for a capacity of 700 G. P. M. against a Total Dynamic Head of 200 ft.

1 - 12" 4 Stage Pump
35 ft. of 8" Column
1 - Surface Plate
1 - 50 H. P. Submersible Motor 3/60/220 Volt 1760 R. P. M.
Base Cable #1/0 plus 35 ft. of extra cable

Price - F. O. B. Factory, Freight Allowed to Woburn, Mass. - $4400.00

We would be very glad to give you a sketch of a concrete block pump chamber for this unit. If you wish us to do so, please advise Mr. Maher.

You will require an 8" Gate Valve and an 8" Non-Slam Check Valve to be located in the pump chamber.

Any installation charges for this pump would be approximately one hundred and seventy-five dollars ($175.00).

April 15, 1958

You would want to arrange for your electrician to bring the Power lines down to the pump chamber.

Any further details you may require, please advise.

Very truly yours,

D. L. MAHER COMPANY

Robert J. Walsh
Vice President

RJW:cmt

Approved - John J. Riley Co.

By_____

000305

April 10, 1957

John J. Riley Co
228 Salem St.
Woburn Mass.

No 2 GRAVEL WELL

4 weeks shipping date
6 weeks delivery

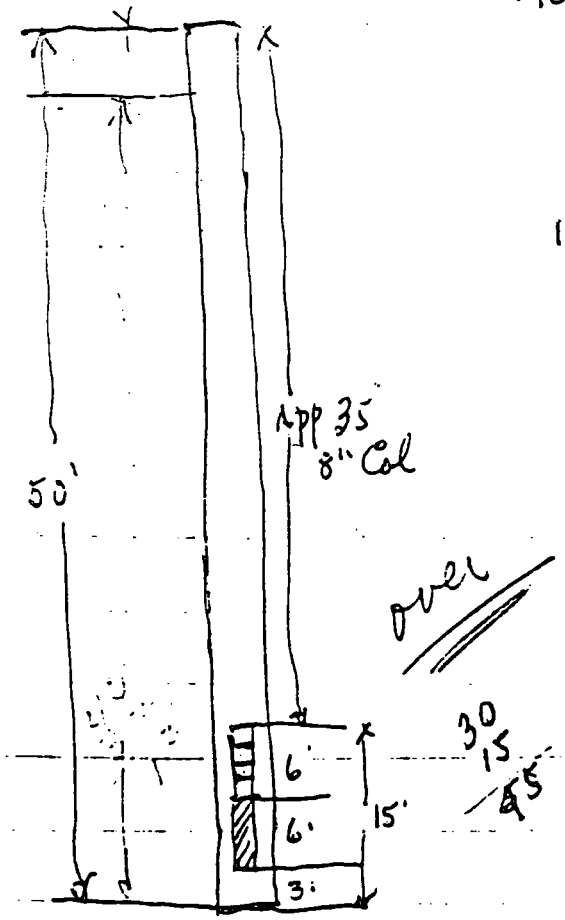
700 G.P.M — 200 T.D.H.

65# press — 151' head
20" Suction head +—
12' Friction +—
183' T.D.H. +—

700 G.P.M — 200 T.D.H
4000 .8 — 45 HP. use 50 HP

560 Bowls
560 5x20
560 Col 1¾ 8" 150
140
5 HP 1650

3670
367
367
1404



12"-2 CKL-4 Stage

1st Stage — #790. ✓
3 add Stages @ 160. — 480. ✓
1270 x .616 = #784.00 ✓

over

35'-8" Col — 780.
Surface Plate — 385.
#658 x .616 = #406.00 ✓
#1190.00 ✓

50 HP motor Sub 10" (220V) — #4250.
1/0 cable Base — 245
35' Cable — @ 360 — 125
#4620. x .536 = 2480 ✓
#3670. net

#3670. net + (20%) = 4400. S.P DIL

000306

John J. Tilney Co.
228 Salem St.
Woburn Mass

April 9, 1958

Turbine Pump

as per Jimmy (phone to office)

Old pump 65# press — 150' Dis. head 65# at Factory

The new pump they want is 700 G.P.M (65#) 150' Head exactly same as old reason is they are laying 10" pipe which is going to cut down friction head on both wells

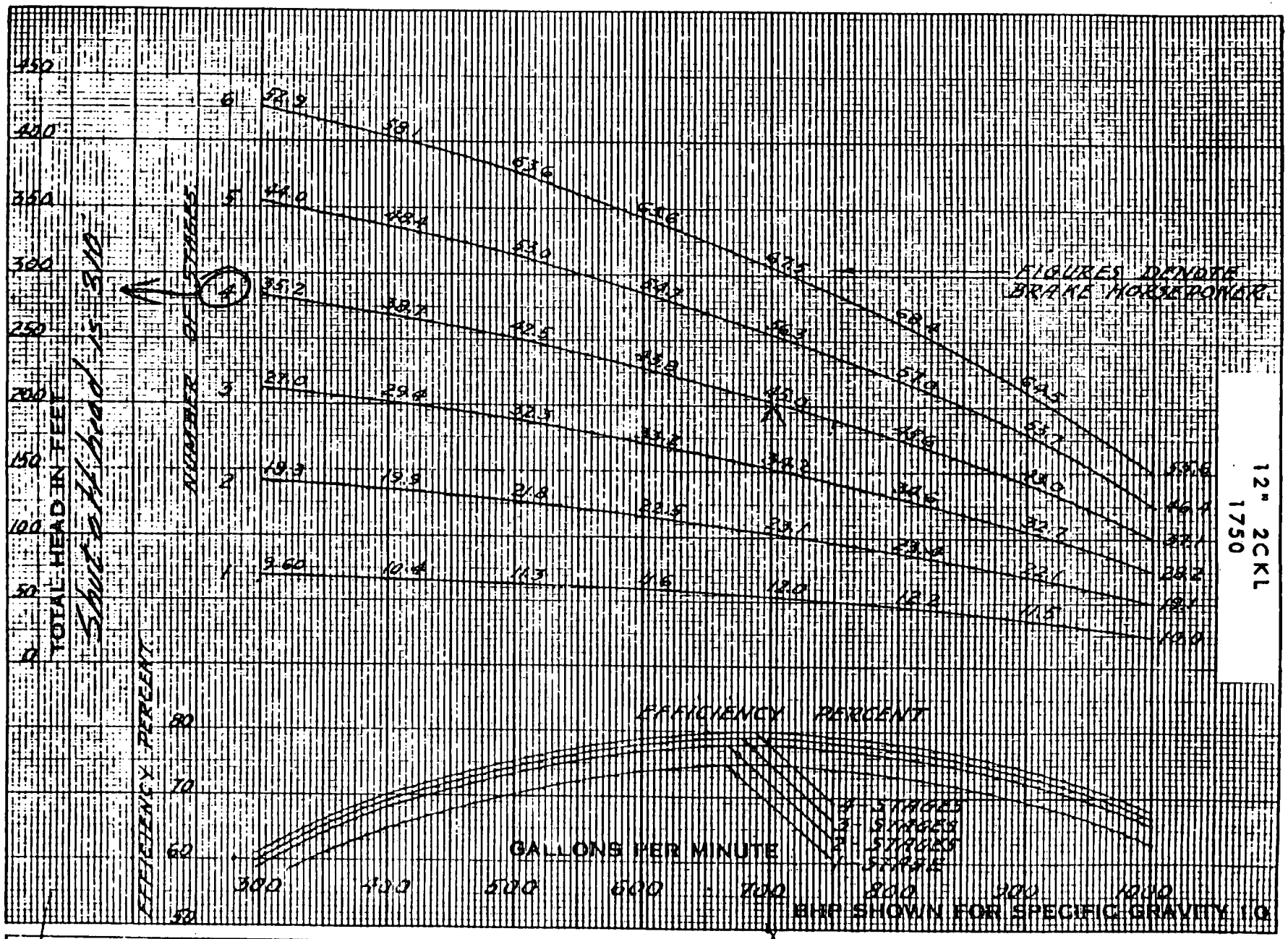
65# or 150' head
~~20~~ 20' Suction
10' friction
180' T.D.H

70
161

Old Pump 500 G.P.M — 200' T.D.H.
12" — 4 Stage
40 H.P. Motor 3/60/220V
30' — 6" Col 1 1/4" Shaft

~~1st~~ 1st order
4/14/1949
Sales order 10203
pump Serial 7739

2d order
8/1/501
Sales order 20157
pump Serial 13249



PUMP SIZE AND TYPE	RPM	EYE AREA = 12.0 SQ. IN.	DRAWN BY	DATE	BYRON JACKSON RATING
12" 2CKL DEEPWELL	1750		J.G.	4-52	CK-1806
			SUPERSEDES	DATE	

SUPERSEDES ALL PREVIOUS ISSUES

BYRON JACKSON CO.
DEEPWELL TURBINE PUMPS

JULY 52 220-13

QUALITY PUMPS SINCE 1872

0000-0017

John J. Riley — DINNG

Notes

August 1954

Test Made by Mr. Mater

465 G.P.M — 70# pres ✓
448 " — 75# pres ✓
433 " — 80# pres ✓
527 " — 60# pres ✓

AT 50# AT SHOP CAPACITY SHOULD BE 465 G.P.M
AT 37# " " " " " 575 G.P.M

THERE IS APPROX 20# LOSS IN HEAD
BETWEEN WELL & SHOP

PRESENT PUMP (SERIAL #7739) DATE 4/14/49
A.D. COOK - 12"-4 STAGE - 500 G.P.M - 200 T.D.H.
6" COL
40 H.P. U.S. CFU MOTOR 3/60/220V/1760 R.P.M
(CURVE 12TR-37 A.D. COOK)

760 - 50

OVER
other side

Office Copy

D. L. MAHER CO.

LOG OF TEST WELL

Log of Well for J. J. Riley Company Test No. 1

Address Salem Street, Woburn, Mass.

Well located at off Salem Street in Middlesex County, State of Woburn, Mass.

Date Drilling started January 16, 1958 Date Test Hole Completed January 20, 1958

Total depth to bottom of Well 64' Diameter Test Hole 2 1/2"

Water stands when not pumping feet 6 inches from the surface of the ground.

EACH STRATUM	DEPTH OF STRATA	FORMATION FOUND EACH STRATUM
0	10' 8"	0-21' light fine br.
'8"	15' 10"	sand. Pulled in plug.
'10"	21' 2"	21'-26' light fine br.
' 2"	26' 3"	sand. Pulled in plug.
' 3"	32'	26'-32' fine to med.
'	37' 4"	br. sand and gravel.
' 4"	43' 5"	pumped fair-pumped sand.
' 5"	48' 11"	32'-37' fine to med.
' 11"	54' 2"	brown sand and gravel.
' 2"	59' 3"	pumped good-pumped sand.
' 3"	64' 7"	37'-43' med. br. sand
		and gravel. pumped good
		pumped sand. Starting
		to drive hard from 40' on.
		43'-54' med.b rown sand.,
		and gravel-pumped freely.
		54'-64' fine to med. br.
		sand and gravel-pumped
		freely-pumped sand.

Did Well Clear Up? Yes

How Long? 20 minutes

Time Pumped? 4 hours

Drawdown 4 Ft. 0 In.

Capacity 40 G. P. M.

Time Required for Recovery? within 1" in 1 minut

Was Well Pulled? No

Observation Yes What Depth? 64'

Was Observation Well Pulled? No

Map of Location

Remarks and opinion of Test Well good for depth of 65' and approximately 10 gallons per foot of drawdown. Water has swamp odor.

Copy sent to Mr Maher Jan 30, 1958
Copy sent to Riley Co Jan 31, 1958

Driller Charles Mackey

Helpers Donald Farr

000309

D. L. MAHER CO.

LOG OF TEST WELL

Log of Well for John J. Riley Co., Test No. 2

Address 228 Salem Street, Woburn, Mass.

Well located at off Salem Street in Middlesex County, State of Mass.

Date Drilling started Jan. 21, 1958 Date Test Hole Completed Jan. 24, 1958

Total depth to bottom of Well 54' Diameter Test Hole 2 1/2"

Water stands when not pumping 1 feet 4 inches from the surface of the ground.

EACH STRATUM	DEPTH OF STRATA	FORMATION FOUND EACH STRATUM
0'	9' 10"	0'-26' Fine to med.
9' 10"	15' 4"	brown sand and gravel-
5' 4"	20' 11"	pumped sand. -
0' 11"	26' 7"	26'-37' Fine to med.
6' 7"	32' 1"	brown sand and gravel-
2' 1"	37' 7"	pumped good-pumped sand.
7' 7"	43' 8"	37'-49' Med. to coarse
3' 8"	49' ½"	brown sand and gravel-
9' ½"	54' 4"	pumped freely.
		49'-54' Fine to med.
		brown sand and gravel.
		Pumped freely.
		Drove hard from 30'
		on.

Did Well Clear Up? Yes

How Long? 20 minutes

Time Pumped? 9 hours

Drawdown 1 Ft. In.

Capacity 55 G. P. M.

Time Required for Recovery? within 2" in 1 min.

Was Well Pulled? No

Observation Yes What Depth? 54'

Was Observation Well Pulled? No

Map of Location

Remarks and opinion of Test Well good for approximately 50 gallons per foot of drawdown at 54' depth.

Driller Charles Mackey

Helpers Donald Farr

000310

US EPA ARCHIVE DOCUMENT

October 1, 1947 Issue - Supersedes Previous Pages

EVERYTHING FOR THE WELL

A.D.COOK-INCORPORATED

LAWRENCEBURG INDIANA
ENGINEERING DEPARTMENT

PATTERN 'TS'

12" - DEEP WELL TURBINE PUMP

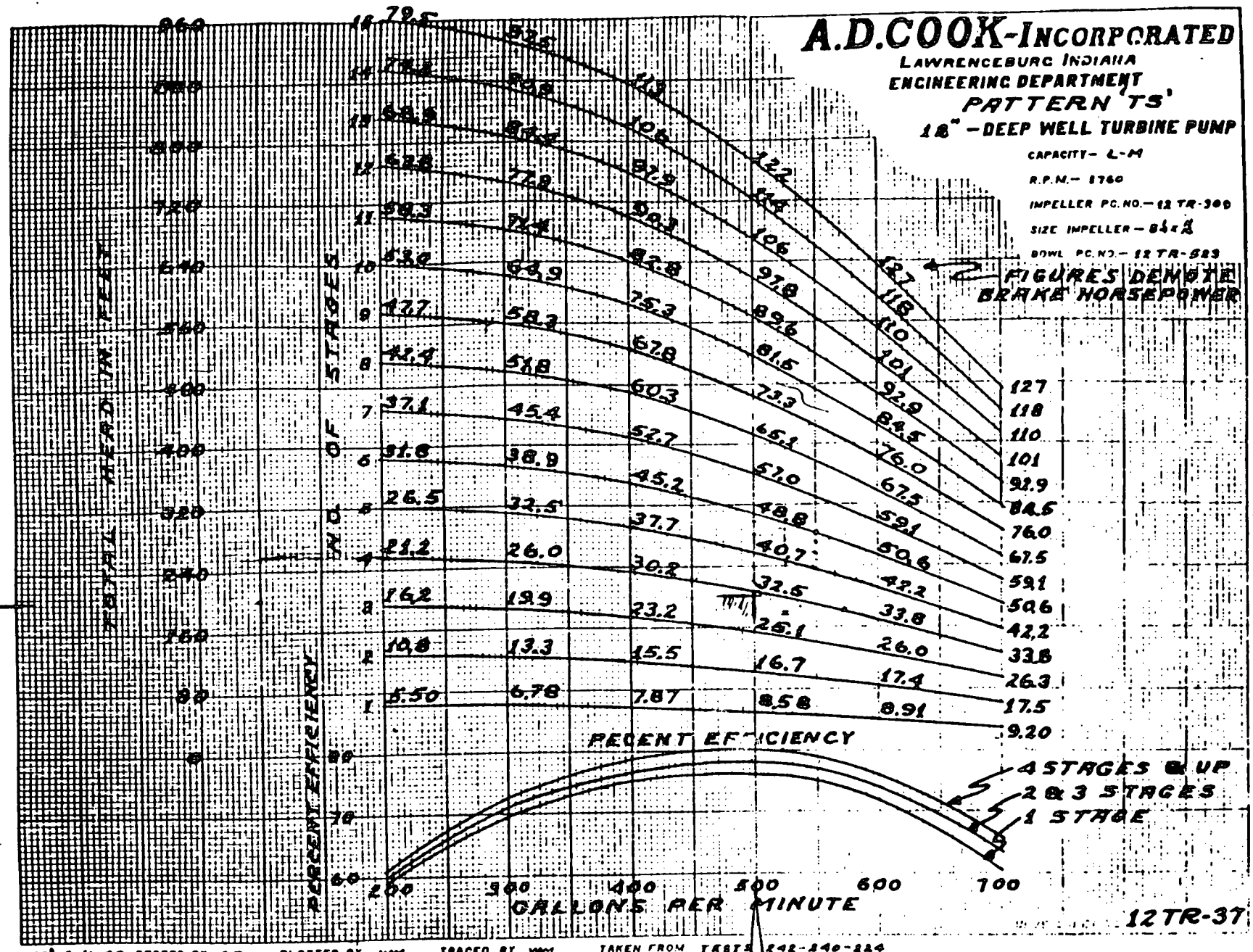
CAPACITY - L-M

R.P.M. - 1760

IMPELLER PC. NO. - 12 TR-300

SIZE IMPELLER - 8¼ x 2

BOWL PC. NO. - 12 TR-523



DATE 2-11-50 TESTED BY GP PLOTTED BY WM TRACED BY WM TAKEN FROM TESTS 242-240-224

12"-4 STAGE (BILEY)
4/14/49

Re:
Submersible pump
for Gravel Well

John J. Riley Co
228 Salem St.
Woburn Mass.
attn Mr John J Riley Jr.

INVOICE

1 - 12" 4 Stage Byron Jackson pump
35 ft of Column
1 - Surface plate Byron Jackson
1 - 50 HP Submersible motor 3/60/220V/1750 R.P.M
Base cable #1/0 plus 35' extra cable

Price F.O.B. Factory
freight allowed to Woburn Mass. ✓
Price ——— $4400.00

our letter and quotation of April 15, 1958

Invoiced
6-27-58
[illegible]

000312

D. L. MAHER CO.

Telephones
KIrkland 7-1438 · WOburn 2-0049 · WOburn 2-2046

GRAVEL WALL AND DRIVEN WELLS · MUNICIPAL · INDUSTRIAL · DOMESTIC SUPPLIES

BYRON-JACKSON CO., PUMPS
TURBINE AND SUBMERSIBLE

38B BRATTLE STREET
CAMBRIDGE 38, MASS.

April 15, 1958

John J. Riley Co.
228 Salem Street
Woburn, Massachusetts

Re: Turbine Pump for
Gravel Well No. 2

Attention: Mr. John J. Riley, Jr.

Gentlemen:

We wish to quote you a price for a Byron Jackson Mercury Sealed Submersible Motor and Turbine Pump for a capacity of 700 G. P. M. against a Total Dynamic Head of 200 ft.

1 - 12" 4 Stage Pump
35 ft. of 8" Column
1 - Surface Plate
1 - 50 H. P. Submersible Motor 3/60/220 Volt 1760 R. P. M.
Base Cable #1/0 plus 35 ft. of extra cable

Price - F. O. B. Factory, Freight Allowed to Woburn, Mass. - $4400.00

We would be very glad to give you a sketch of a concrete block pump chamber for this unit. If you wish us to do so, please advise Mr. Maher.

You will require an 8" Gate Valve and an 8" Non-Slam Check Valve to be located in the pump chamber.

Any installation charges for this pump would be approximately one hundred and seventy-five dollars ($175.00).

8" Gate - 127
8" Check - 160
287

12" 2 CKL-4 Stage
Page 220-13

000313

D. L. MAHER CO.

Telephones
KIrkland 7-1438 · WOburn 2-0049 · WOburn 2-2046

GRAVEL WALL AND DRIVEN WELLS · MUNICIPAL · INDUSTRIAL · DOMESTIC SUPPLIES

BYRON-JACKSON CO., PUMPS
TURBINE AND SUBMERSIBLE

38B BRATTLE STREET
CAMBRIDGE 38, MASS.

April 15, 1958

You would want to arrange for your electrician to bring the Power lines down to the pump chamber.

Any further details you may require, please advise.

Very truly yours,

D. L. MAHER COMPANY

Robert J. Walsh

Robert J. Walsh
Vice President

RJW:cmt

Approved - John J. Riley Co.
By John J. Riley Jr.

BYRON JACKSON PUMPS, INC.
A SUBSIDIARY OF BORG-WARNER CORPORATION

ORDER NO._____ PROP. NO._____

ESTIMATE SHEET

№ 31896

DATE_____ 19____

TO_____

CONDITIONS: 700 200
12" 2 CK L-U

Page 220-13

ITEMS	WEIGHT	COST	SELLING PRICE
		770	
			32
32.64 ✓ 100 Sur-Flate 66 6" Col 30 @ 2.20 $3430. 4400 3460			
Same 30.00 on Col 6" [illegible]			

PREPARED BY_____

P103 10M-SETS

SIGN FULL NAME - DO NOT USE INITIALS

000315

D. L. MAHER CO.

DAILY TIME REPORT

August 29, 1988

Date	Name	Hours	
	[illegible]	7	Woburn - Removed all
	[illegible]	6	equipment from [illegible]
	[illegible]	6	at Hazel Pond
	[illegible]	1	Rite - installed
	[illegible]	1	valve & picked up
			equipment
	[illegible]	1	[illegible]
	1½		11 hrs 14

Comments 9/8

Equipment and material moved on or off job

Equipment and material needed

000316

D. L. MAHER CO.

DAILY TIME REPORT

August 13, 1952

Name	Hours	
D. Maher	10	X-X Riley Co. - Bryl-seal
D. Donahue	9	off and put seal caps on
		48" casing & welded on
		flange on cut 52" off
		casing.
		9
	19	
		(2)

Comments

Equipment and material moved on or off job

Equipment and material needed

000317

D. L. MAHER CO.

DAILY TIME REPORT

Wed 1/23/58

Date	Name	Hours	
	Charles Freeman ✓	9	Riley Tannery (Painting)
	Donald Dare ✓	8	" "

Comments

Equipment and material moved on or off job

Equipment and material needed

000318

D. L. MAHER CO.

DAILY TIME REPORT

1/24/84

Date	Name	Hours	
	[illegible] ✓	9	[illegible]
	[illegible] ✓	8	" "

Comments

Equipment and material moved on or off job

Equipment and material needed

000319

D. L. MAHER CO.

DAILY TIME REPORT

Jan 25. 1995

te	Name	Hours	
	D. Fast	1 9	Pumping Test at Bailey's Shop.

Comments

Equipment and material moved on or off job

Equipment and material needed

D. L. MAHER CO.

DAILY TIME REPORT

Thurs. 1/16/58

ate	Name	Hours	
	Charles Mackey ✓	9	Riley's Tannery (Testing)
	Donald Farr ✓	8	" "

Comments

Equipment and material moved on or off job

Equipment and material needed

000321

D. L. MAHER CO.

DAILY TIME REPORT

1/17/58

Name	Hours	
Charles Markey ✓	9	Riley's Tannery (Testing)
Lindolf Parr ✓	8	" "

Comments

Equipment and material moved on or off job

Equipment and material needed

000322

D. L. MAHER CO.

DAILY TIME REPORT

L.T. 1/14/58

ate	Name	Hours	
	Charles MacKay	9	Riley's Tannery (Testing)
	Donald Dean	8	" "

Comments

Equipment and material moved on or off job

Equipment and material needed

D. L. MAHER CO.

DAILY TIME REPORT

Date 1/20/58

Date	Name	Hours	
	Charles Bracken ✓	9	Riley's Tannery (Testing)
	Donald Parr ✓	8	" "

Comments

Equipment and material moved on or off job

Equipment and material needed

000324

D. L. MAHER CO.

DAILY TIME REPORT

Wed. 1/21/58

te	Name	Hours	
	Charles Mackey	9	Riley's Tannery (Testing)
	William Gavin	8	" "

Comments

Equipment and material moved on or off job

Equipment and material needed

FORM CD 180 Rev 3-79 20M-10-79-152328

The Commonwealth of Massachusetts

MICHAEL JOSEPH CONNOLLY
Secretary of State
ONE ASHBURTON PLACE, BOSTON, MASS. 02108

ARTICLES OF ORGANIZATION

(Under G.L. Ch. 180)
Incorporators

NAME	RESIDENCE
Include given name in full in case of natural persons; in case of a corporation, give state of incorporation.	
John J. Riley, Jr.	9 Huntingdon Road Lynnfield, MA 01940

107688

The above-named incorporator(s) do hereby associate (themselves) with the intention of forming a corporation under the provisions of General Laws, Chapter 180 and hereby state(s):

1. The name by which the corporation shall be known is:

   Wildwood Conservation Corporation

2. The purposes for which the corporation is formed is as follows:

   To encourage the conservation and preservation of land in the Town of Woburn and elsewhere within the Commonwealth of Massachusetts and otherwise to improve the physical aspects of such land; to perform such other functions as may be incidental to the foregoing; and to carry on such other activities as may be permitted to a Corporation organized under Chapter 180 of the Massachusett General Law.

C ☐
P ☑
M ☐
R.A. ☐

Note: If the space provided under any article or item on this form is insufficient, additions shall be set forth on separate 8 1/2 x 11 sheets of paper leaving a left hand margin of at least 1 inch for binding. Additions to more than one article may be continued on a single sheet so long as each article requiring each such addition is clearly indicated.

3. If the corporation has more than one class of members, the designation of such classes, the manner of election or appointment, the duration of membership and the qualification and rights, including voting rights, of the members of each class, are as follows: -

Not Applicable

*4. Other lawful provisions, if any, for the conduct and regulation of the business and affairs of the corporation, for its voluntary dissolution, or for limiting, defining, or regulating the powers of the corporation, or of its directors or members, or of any class of members, are as follows:-

Continuation sheets 4A, 4B

*If there are no provisions state "None".

4. (a) The corporation shall have the following powers in furtherance of its corporate purposes:

(1) The corporation shall have perpetual succession in its corporate name.

(2) The corporation may sue and be sued.

(3) The corporation may have a corporate seal which it may alter from time to time.

(4) The corporation may elect or appoint directors, officers, employees and other agents, fix their compensation and define their duties and obligations.

(5) The corporation may purchase, receive, take by grant, gift, devise, bequest or otherwise, lease, or otherwise acquire, own, hold, improve, employ, use and otherwise deal in and with real or personal property, or any interest therein, wherever situated, in an unlimited amount.

(6) The corporation may sell, convey, lease exchange, transfer or otherwise dispose of, or mortgage, pledge, encumber or create a security interest in, all or any of its property, or any interest therein, wherever situated.

(7) The corporation may purchase, take, receive, subscribe for, or otherwise acquire, own, hold, vote, employ, sell, lend, lease, exchange, transfer, or otherwise dispose of, mortgage, pledge, use and otherwise deal in and with, bonds and other obligations, shares, or other securities or interests issued by others, whether engaged in similar or different business, governmental, or other activities.

(8) The corporation may make contracts, give guarantees and incur liabilites, borrow money at such rates of interest as the corporation may determine, issue its notes, bonds and other obligations, and secure any of its obligations by mortgage, pledge or encumbrance of, or secruity interest in, all or any of its property or any interest therein, wherever situated.

(9) The corporation may lend money, invest and reinvest its funds, and take and hold real and personal property as security for the payment of funds so loaned or invested.

(10) The corporation may do business, carry on its operations, and have offices and exercise the powers granted by Massachusetts General Laws, Chapter 180, as now in force or as hereafter amended, in any jurisdiction within or without the United States, although the corporation shall not be operated for the primary purpose of carrying on for profit a trade or business unrelated to its tax exempt purposes.

(11) The corporation may pay pensions, establish and carry out pension, savings, thrift and other retirement, incentive and benefit plans, trusts and provisions for any or all of its directors, officers and employees.

(12) The corporation may be an incorporator of other corporations of any type of kind.

(13) The corporation may be a partner in any enterprise which it would have power to conduct by itself.

(14) The corporation may have and exercise all powers necessary or convenient to effect any or all of the purposes for which the corporation is formed; provided that no such power shall be exercised in a manner inconsistent with Massachusetts General Laws, Chapter 180 or any other chapter of the General Laws of the Commonwealth.

(b) The directors may make, amend or repeal the by-laws in whole or in part, except with respect to any provision thereof which by law or the by-laws requires action by the members.

(c) Meetings of the members may be held anywhere in the United States.

5. By-laws of the corporation have been duly adopted and the initial directors, president, treasurer and clerk or other presiding, financial or recording officers whose names are set out below, have been duly elected.

6. The effective date of organization of the corporation shall be the date of filing with the Secretary of the Commonwealth or if later date is desired, specify date. (not more than 30 days after date of filing).

   To be effective on January 1, 1983

7. The following information shall not for any purpose be treated as a permanent part of the Articles of Organization of the corporation.

   a. The post office address of the initial principal office of the corporation in Massachusetts is:

   9 Huntingdon Road, Lynnfield, MA 01940

   b. The name, residence, and post office address of each of the initial directors and following officers of the corporation are as follows:

	NAME	RESIDENCE	POST OFFICE ADDRESS
President:	John J. Riley, Jr.	9 Huntingdon Road Lynnfield, MA 01940	9 Huntingdon Road Lynnfield, MA 01940
Treasurer:	John J. Riley, Jr.	9 Huntingdon Road Lynnfield, MA 01940	9 Huntingdon Road Lynnfield, MA 01940
Clerk:	Diana W. Riley	9 Huntingdon Road Lynnfield, MA 01940	9 Huntingdon Road Lynnfield, MA 01940

Directors: (or officers having the powers of directors)

John J. Riley, Jr.	9 Huntingdon Road Lynnfield, MA 01940	9 Huntingdon Road Lynnfield, MA 01940
Diana W. Riley	9 Huntingdon Road Lynnfield, MA 01940	9 Huntingdon Road Lynnfield, MA 01940

   c. The date initially adopted on which the corporation's fiscal year ends is:

   December 31

   d. The date initially fixed in the by-laws for the annual meeting of members of the corporation is:

   Second Tuesday in March

   e. The name and business address of the resident agent, if any, of the corporation is:

   N/A

IN WITNESS WHEREOF, and under the penalties of perjury the INCORPORATOR(S) sign(s) these Articles of Organization this 29th day of December, 1982

I/~~We~~ the below signed INCORPORATORS do hereby certify under the pains and penalties of perjury that I/~~We~~ have not been convicted of any crimes relating to alcohol or gaming within the past ten years; I/~~We~~ do hereby further certify that to the best of my/~~our~~ knowledge the above named principal officers have not been similarly convicted. If so convicted, explain.

John J. Riley Jr.

The signature of each incorporator which is not a natural person must be by an individual who shall show the capacity in which he acts and by signing shall represent under the penalties of perjury that he is duly authorized on its behalf to sign these Articles of Organization.

25013

SECRETARY OF THE COMMONWEALTH
1982 DEC 31 PM 12: 1
CORPORATION DIVISION

THE COMMONWEALTH OF MASSACHUSETTS

ARTICLES OF ORGANIZATION
GENERAL LAWS, CHAPTER 180

I hereby certify that, upon an examination of the within-written articles of organization, duly submitted to me, it appears that the provisions of the General Laws relative to the organization of corporations have been complied with, and I hereby approve said articles; and the filing fee in the amount of $30.00 having been paid, said articles are deemed to have been filed with me this 31st day of December 1982

Effective date

1-1-83

MICHAEL JOSEPH CONNOLLY
Secretary of State

TO BE FILLED IN BY CORPORATION
PHOTO COPY OF ARTICLES OF ORGANIZATION TO BE SENT

TO: Margaret A. Metzger, Esquire
Nutter, McClennen & Fish
Federal Reserve Plaza
600 Atlantic Avenue
Boston, MA 02210

Telephone (617) 973-9700

Filing Fee $30.00

Copy Mailed

000495

EXHIBIT "A"

BY-LAWS

OF

WILDWOOD CONSERVATION CORPORATION

SECTION 1. NAME, PURPOSES, LOCATION, CORPORATE SEAL AND FISCAL YEAR

1.1 Name and Purposes. The name and purposes of the corporation shall be as set forth in the Articles of Organization.

1.2 Location. The principal office of the corporation in the Commonwealth of Massachusetts shall initially be located at the place set forth in the Articles of Organization. The Directors may change the location of the principal office in the Commonwealth of Massachusetts effective upon filing a certificate with the Secretary of the Commonwealth.

1.3 Corporate Seal. The Directors may adopt and alter the seal of the corporation.

1.4 Fiscal Year. The fiscal year of the corporation shall, unless otherwise decided by the Directors, end on December 31 in each year.

SECTION 2. MEMBERS

2.1 Classes of Membership. There shall be the following classes of membership:

(a) Corporate Membership. Corporate members shall be the only members entitled to notice of or to vote at meetings of corporate members or to exercise or have such powers, rights and privileges as are conferred by law upon members of a corporation incorporated under Chapter 180 of the General Laws, and for the purpose of said General Laws shall be deemed to be the only members of the corporation.

(b) Other Classes of Membership. The corporate members may from time to time establish such other classes of membership as they shall in their sole discretion deem appropriate.

2.2 Corporate Members. Such persons as may be so designated by the Incorporator at the initial meeting of the corporation and thereafter by the then corporate members shall be corporate members without limit of time.

2.3 Other Members. Members other than corporate members may from time to time be designated by the corporate members pursuant to Section 2.1(b).

2.4 Powers and Rights. In addition to the right to elect Directors as provided in Section 3.1 and such other powers and rights as are vested in them by law, the Articles of Organization or these By-laws, the corporate members shall have such other powers and rights as the Directors may designate.

2.5 Suspension or Removal. A corporate member may be suspended or removed with or without cause by vote of a majority of the corporate members. A corporate member may be removed for cause only after reasonable notice and opportunity to be heard.

2.6 Resignation. A corporate member may resign by delivering a written resignation to the President, Treasurer or Clerk, to a meeting of the corporate members or Directors, or to the corporation at its principal office. The resignation shall be effective upon receipt (unless specified to be effective at some other time), and its acceptance shall not be necessary to make it effective unless it so states.

2.7 Annual Meetings. The annual meeting of the corporate members shall be held at nine o'clock A.M. on the second Tuesday of March in each year or if that date is a legal holiday in the place where the meeting is to be held, then at the same hour on the next succeeding day not a legal holiday. The annual meeting may be held at the principal office of the corporation or at such other place within the United States as the Directors shall determine. No change in the date fixed in these By-laws for the annual meeting shall be made within sixty days before the date stated herein. Notice of any change of the date fixed in these By-laws for the annual meeting shall be given to all corporate members at least twenty days before the new date fixed for such meeting.

If no annual meeting is held in accordance with the foregoing provisions, a special meeting may be held in place thereof, and any action taken at such meeting shall have the same effect as if taken at the annual meeting.

2.8 Regular Meetings. Regular meetings of the corporate members may be held at such places within the United States and at such times as the corporate members may determine.

2.9 Special Meetings. Special meetings of the corporate members may be held at any time and at any place within the United States. Special meetings of the corporate members may be called by the President or by the Directors, and shall be called by the Clerk, or in the case of the death, absence, incapacity or refusal of the Clerk, by any other officer, upon written application of three or more corporate members.

2.10 Call and Notices.

(a) All Meetings. Reasonable and sufficient notice of the time and place of all meetings of the corporate members shall

be given to each corporate member as provided below. Such notice, if the meeting is called otherwise than by the Clerk, may be a copy of the call of the meeting; and if the meeting is not otherwise called, such notice given by the Clerk shall constitute a call of the meeting. Notices of all meetings of corporate members shall state the purposes for which the meetings are called. No notice need be given to any corporate member if a written waiver of notice, executed before or after the meeting by the member, or his attorney thereunto authorized, is filed with the records of the meeting.

(b) Reasonable and Sufficient Notice. Except as otherwise expressly provided, it shall be reasonable and sufficient notice to a corporate member to send notice by mail at least forty-eight hours or by telegram at least twenty-four hours before the meeting addressed to the member at the member's usual or last known business or residence address or to give notice to the member in person or by telephone at least twenty-four hours before the meeting.

2.11 Quorum. At any meeting of the corporate members a majority of the corporate members (whether present in person or duly represented) shall constitute a quorum. Any meeting may be adjourned to such date or dates not more than 90 days after the first session of the meeting by a majority of the votes cast upon the question, whether or not a quorum is present, and the meeting may be held as adjourned without further notice.

2.12 Action by Vote. Each corporate member shall have one vote. When a quorum is present at any meeting, a majority of the votes properly cast by corporate members present in person or duly represented shall decide any question, including election to any office, unless otherwise provided by law, the Articles of Organization, or these By-laws.

2.13 Action by Writing. Any action required or permitted to be taken at any meeting of the corporate members may be taken without a meeting if all corporate members entitled to vote on the matter consent to the action in writing and the written consents are filed with the records of the meeting of the corporate members. Such consents shall be treated for all purposes as a vote at a meeting.

2.14 Proxies. Corporate members may vote either in person or by written proxy dated not more than six months before the meeting named therein, which proxies shall be filed before being voted with the Clerk or other person responsible for recording the proceedings of the meeting. Unless otherwise specifically limited by their terms, such proxies shall entitle the holders thereof to vote at any adjournment of the meeting but the proxy shall terminate after the final adjournment of such meeting.

2.15 Compensation. Corporate members shall not be precluded from serving the corporation in any other capacity and receiving compensation for any such services.

SECTION 3. BOARD OF DIRECTORS

3.1 Number and Election. The corporate members annually at their annual meeting shall fix the number of Directors and shall elect the number of Directors so fixed. At any special or regular meeting the corporate members or Directors may increase the number of Directors and elect new Directors to complete the numbers so fixed; or they may decrease the number of Directors, but only to eliminate vacancies existing by reason of the death, resignation, removal or disqualification of one or more Directors. A Director may but need not be a corporate member.

3.2 Tenure. Each Director, including those elected to fill vacancies under Section 3.7, shall hold office until the next annual meeting of corporate members and until that Director's successor is elected and qualified, or until that Director sooner dies, resigns, is removed or becomes disqualified.

3.3 Powers. The affairs of the corporation shall be managed by the Directors who shall have and may exercise all the powers of the corporation, except those powers reserved to the corporate members by law, the Articles of Organization or these By-laws.

3.4 Committees. The Directors may elect or appoint one or more committees and may delegate to any such committee or committees any or all of their powers. Unless the Directors otherwise designate, committees shall conduct their affairs in the same manner as is provided in these By-laws for the Directors. The members of any committee shall remain in office at the pleasure of the Directors.

3.5 Suspension or Removal. A Director may be suspended or removed (a) with or without cause by vote of a majority of the corporate members or (b) with cause by vote of a majority of the Directors then in office. A Director may be removed with cause only after reasonable notice and opportunity to be heard.

3.6 Resignation. A Director may resign by delivering a written resignation to the President, Treasurer or Clerk, to a meeting of the corporate members or Directors, or to the corporation at its principal office. The resignation shall be effective upon receipt (unless specified to be effective at some other time) and its acceptance shall not be necessary to make it effective unless it so states.

3.7 Vacancies. Any vacancy in the Board of Directors, except a vacancy resulting from enlargement which must be filled in accordance with Section 3.1, may be filled by the corporate members or Directors. The Directors shall have and may exercise all their powers notwithstanding the existence of one or more vacancies in their number.

3.8 Regular Meetings. Regular meetings of the Directors may be held at such places and at such times as the Directors may determine.

3.9 Special Meetings. Special meetings of the Directors may be held at any time and at any place when called by the President, or by three or more Directors.

3.10 Call and Notice.

(a) All Meetings. Resonable and sufficient notice of the time and place of all meetings of the Directors shall be given to each Director as provided below. Such notice may be a copy of the call of the meeting; and if the meeting is not otherwise called, such notice given by the Clerk shall constitute a call of the meeting. Notices of all meetings of Directors shall state the purposes for which the meetings are called. No notice need be given to any Director if a written waiver of notice, executed before or after the meeting by the Director, or of the Director's attorney thereunto authorized, is filed with the records of the meeting.

(b) Reasonable and Sufficient Notice. Except as otherwise expressly provided, it shall be reasonable and sufficient notice to a Director to send notice by mail at least forty-eight hours or by telegram at least twenty-four hours before the meeting addressed to the Director at the Director's usual or last known business or residence address or to give notice to the Director in person or by telephone at least twenty-four hours before the meeting.

3.11 Quorum. At any meeting of the Directors a majority of the Directors then in office shall constitute a quorum. Any meeting may be adjourned by a majority of the votes cast upon the question, whether or not a quorum is present, and the meeting may be held as adjourned without further notice.

3.12 Action by Vote. When a quorum is present at any meeting, a majority of the Directors present and voting shall decide any question, including election of officers, unless otherwise provided by law, the Articles of Organization, or these By-laws.

3.13 Action by Writing. Any action required or permitted to be taken at any meeting of the Directors may be taken without meeting if all the Directors consent to the action in writing and the written consents are filed with the records of the meetings of the Directors. Such consents shall be treated for all purposes as a vote at a meeting.

3.14 Compensation. Directors shall not be precluded from serving the corporation in any other capacity and receiving compensation for any such services.

SECTION 4. OFFICERS AND AGENTS

4.1 Number and Qualification. The officers of the corporation shall be a President, Treasurer, Clerk and such other officers, if any, as the Directors may determine. The officers of the corporation shall have the respective powers and duties provided by these By-laws and such other respective powers and duties as the Directors shall from time to time designate. The corporation may also have such agents, if any, as the Directors may appoint. An officer may but need not be a Director or corporate member. The Clerk shall be a resident of Massachusetts unless the corporation has a resident agent duly appointed for the purposes of service of process. A person may hold more than one office at the same time. If required by the Directors, any officer shall give the corporation a bond for the faithful performance of his duties in such amount and with such surety or sureties as shall be satisfactory to the Directors.

4.2 Election. The President, Treasurer and Clerk shall be elected annually by the Directors at their first meeting following the annual meeting of the corporate members. Other officers, if any, may be elected by the Directors at any time.

4.3 Tenure. The President, Treasurer and Clerk shall each hold office until the first meeting of the Directors following the next annual meeting of the corporate members and until the officer's successor is chosen and qualified, and each other officer shall hold office until such first meeting of the Directors following the next annual meeting of the corporate members unless a shorter period shall have been specified by the terms of the officer's election or appointment, or in each case until the officer sooner dies, resigns, is removed or becomes disqualified. Each agent shall retain that agent's authority at the pleasure of the Directors.

4.4 President. The President shall be the chief executive officer of the corporation and, subject to the control of the Directors, shall have general charge and supervision of the affairs of the corporation. The President shall preside at all meetings of the corporate members and at all meetings of the Directors, except as the corporate members or Directors othewise determine.

4.5 Treasurer. The Treasurer shall be the chief financial officer and the chief accounting officer of the corporation. The Treasurer shall be in charge of its financial affairs, funds, securities and valuable papers and shall keep full and accurate records thereof. The Treasurer shall also be in charge of its books of account and accounting records, and of its accounting procedures.

4.6 Clerk. The Clerk shall record and maintain records of all proceedings of the corporate members and Directors, which

records shall be kept within the Commonwealth at the principal office of the corporation or at an office of its Clerk or of its resident agent, and shall be open at all reasonable times to the inspection of any corporate member. Such records shall also include records of all meetings of the Incorporator and the original, or attested copies, of the Articles of Organization and By-laws and names of all corporate members and Directors and the address of each. If the Clerk is absent from any meeting of corporate members or Directors, a Temporary Clerk chosen at the meeting shall exercise the duties of the Clerk at the meeting.

4.7 Suspension or Removal. An officer may be suspended or removed with or without cause by vote of a majority of Directors then in office at any special meeting called for such purpose or at any regular meeting. An officer may be removed with cause only after reasonable notice and opportunity to be heard.

4.8 Resignation. An officer may resign by delivering a written resignation to the President, Treasurer or Clerk, to a meeting of the corporate members or Directors, or to the corporation at its principal office. The resignation shall be effective upon receipt (unless specified to be effective at some other time), and its acceptance shall not be necessary to make it effective unless it so states.

4.9 Vacancies. If the office of any officer becomes vacant, the Directors may elect a successor. Each such successor shall hold office for the unexpired term, and in the case of the President, Treasurer and Clerk until his or her successor is elected and qualified, or in each case until he or she sooner dies, resigns, is removed or becomes disqualified.

SECTION 5. EXECUTION OF PAPERS

Except as the Directors may generally or in particular cases authorize the execution thereof in some other manner, all deeds, leases, transfers, contracts, bonds, notes, checks, drafts and other obligations made, accepted or endorsed by the corporation shall be signed by the President or by the Treasurer.

SECTION 6. NO PERSONAL LIABILITY; INDEMNITY

6.1 No Personal Liability. The corporate members, Directors and officers of the corporation shall not be personally liable for any debt, liability or obligation of the corporation. All persons, corporations or other entities extending credit to, contracting with, or having any claim against, the corporation, may look only to the funds and property of the corporation for the payment of any debt, damages, judgment or decree, or of any money that may otherwise become due or payable to them from the corporation.

6.2 Indemnity. The corporation shall, to the extent legally permissible and only to the extent that the status of the corporation as an organization exempt under Section 501(c)(3) of the Internal Revenue Code is not affected thereby, indemnify each of its Directors, officers, employees and other agents (including persons who serve at its request as Directors, officers, employees or other agents of another organization in which it has an interest) against all liabilities and expenses, including amounts paid in satisfaction of judgments, in compromise or as fines and penalties, and counsel fees, reasonably incurred by such person in connection with the defense or disposition of any action, suit or other proceeding, whether civil or criminal, in which such person may be involved or with which such person may be threatened, while in office or thereafter, by reason of such person being or having been such a Director, officer, employee or agent, except with respect to any matter as to which such person shall have been adjudicated in any proceeding not to have acted in good faith in the reasonable belief that his or her action was in the best interests of the corporation; provided, however, that as to any matter disposed of by a compromise payment by such Director, officer, employee or agent, pursuant to a consent decree or otherwise, no indemnification either for said payment or for any other expenses shall be provided unless such compromise shall be approved as in the best interests of the corporation, after notice that it involves such indemnification: (a) by a disinterested majority of the Directors then in office; or (b) by a majority of the disinterested Directors then in office, provided that there has been obtained an opinion in writing of independent legal counsel to the effect that such Director, officer, employee or agent appears to have acted in good faith in the reasonable belief that his or her action was in the best interests of the corporation; or (c) by a majority of the disinterested members entitled to vote, voting as a single class. Expenses, including counsel fees, reasonably incurred by any such Director, officer, trustee, employee or agent in connection with the defense or disposition of any such action, suit or other proceeding may be paid from time to time by the corporation in advance of the final disposition thereof upon receipt of an undertaking by such individual to repay the amounts so paid to the corporation if such person shall be adjudicated to be not entitled to indemnification under Massachusetts General Laws, Chapter 180, Section 6. The right of indemnification hereby provided shall not be exclusive of or affect any other rights to which any Director, officer, employee or agent may be entitled. Nothing contained herein shall affect any rights to indemnification to which corporate personnel may be entitled by contract or otherwise under law. As used in this paragraph, the terms "Directors," "officer," employee' and "agent" include their respective heirs, executors and administrators, and an "interested" Director is one against whom in such capacity the proceedings in question or another proceeding on the same or similar grounds is thenpending.

6.3 Interested Parties. No person shall be disqualified from holding any office by reason of any interest. In the absence of fraud, any Director, officer, or member of this corporation

individually or any individual having any interest in any concern in which any such Directors, officers, members, or individuals have any interest, may be a party to, or may be pecuniarily or otherwise interested in, any contract, transaction, or other act of this corporation, and

(a) such contract, transaction, or act shall not be in any way invalidated or otherwise affected by that fact;

(b) no such Director, officer, member, or individual shall be liable to account to this corporation for any profit or benefit realized through any such contract, transaction, or act; and

(c) any such Director of this corporation may be counted in determining the existence of a quorum at any meeting of the Directors or of any committee thereof which shall authorize any such contract, transaction, or act, and may vote to authorize the same.

As used herein, the term "interest" includes personal interest and interest as a Director, officer, stockholder, shareholder, trustee, member or beneficiary of any concern; and the term "concern" means any corporation, association, trust, partnership, firm, person, or other entity other than this corporation.

SECTION 7. AMENDMENTS

These By-laws may be altered, amended or repealed in whole or in part by vote of a majority of the Directors then in office, except with respect to any provision thereof which by law, the Articles of Organization or these By-laws requires action by the corporate members. Not later than the time of giving notice of the meeting of corporate members next following the making, amending, or repealing by the Directors of any By-laws, notice thereof stating the substance of such change shall be given to all corporate members. The corporate members may alter, amend or repeal any By-laws adopted by the Directors or otherwise or adopt, alter, amend or repeal any provision which by law, the Articles of Organization or these By-laws requires action by the corporate members.

EXHIBIT B

FORM CD 180 Rev. 3-79 20M-10-79-152328

xaminer

The Commonwealth of Massachusetts

MICHAEL JOSEPH CONNOLLY
Secretary of State
ONE ASHBURTON PLACE, BOSTON, MASS. 02108

ARTICLES OF ORGANIZATION

(Under G.L. Ch. 180)

Incorporators

NAME	RESIDENCE
Include given name in full in case of natural persons; in case of a corporation, give state of incorporation.	
John J. Riley, Jr.	9 Huntingdon Road Lynnfield, MA 01940

The above-named incorporator(s) do hereby associate (themselves) with the intention of forming a corporation under the provisions of General Laws, Chapter 180 and hereby state(s):

1. The name by which the corporation shall be known is:

Wildwood Conservation Corporation

2. The purposes for which the corporation is formed is as follows:

To encourage the conservation and preservation of land in the Town of Woburn and elsewhere within the Commonwealth of Massachusetts and otherwise to improve the physical aspects of such land; to perform such other functions as may be incidental to the foregoing; and to carry on such other activities as may be permitted to a Corporation organized under Chapter 180 of the Massachusetts General Law.

e
ved

C
P
M
RA

C

Note: If the space provided under any article or item on this form is insufficient, additions shall be set forth on separate 8 1/2 x 11 sheets of paper leaving a left hand margin of at least 1 inch for binding. Additions to more than one article may be continued on a single sheet so long as each article requiring each such addition is clearly indicated.

3. If the corporation has more than one class of members, the designation of such classes, the manner of election or appointment, the duration of membership and the qualification and rights, including voting rights, of the members of each class, are as follows: -

Not Applicable

*4. Other lawful provisions, if any, for the conduct and regulation of the business and affairs of the corporation, for its voluntary dissolution, or for limiting, defining, or regulating the powers of the corporation, or of its directors or members, or of any class of members, are as follows:-

Continuation sheets 4A, 4B and 4C

*If there are no provisions state "None".

4. (a) The corporation shall have the following powers in furtherance of its corporate purposes:

(1) The corporation shall have perpetual succession in its corporate name.

(2) The corporation may sue and be sued.

(3) The corporation may have a corporate seal which it may alter from time to time.

(4) The corporation may elect or appoint directors, officers, employees and other agents, fix their compensation and define their duties and obligations.

(5) The corporation may purchase, receive, take by grant, gift, devise, bequest or otherwise, lease, or otherwise acquire, own, hold, improve, employ, use and otherwise deal in and with real or personal property, or any interest therein, wherever situated, in an unlimited amount.

(6) The corporation may sell, convey, lease exchange, transfer or otherwise dispose of, or mortgage, pledge, encumber or create a security interest in, all or any of its property, or any interest therein, wherever situated.

(7) The corporation may purchase, take, receive, subscribe for, or otherwise acquire, own, hold, vote, employ, sell, lend, lease, exchange, transfer, or otherwise dispose of, mortgage, pledge, use and otherwise deal in and with, bonds and other obligations, shares, or other securities or interests issued by others, whether engaged in similar or different business, governmental, or other activities.

(8) The corporation may make contracts, give guarantees and incur liabilites, borrow money at such rates of interest as the corporation may determine, issue its notes, bonds and other obligations, and secure any of its obligations by mortgage, pledge or encumbrance of, or secruity interest in, all or any of its property or any interest therein, wherever situated.

(9) The corporation may lend money, invest and reinvest its funds, and take and hold real and personal property as security for the payment of funds so loaned or invested.

(10) The corporation may do business, carry on its operations, and have offices and exercise the powers granted by Massachusetts General Laws, Chapter 180, as now in force or as hereafter amended, in any jurisdiction within or without the United States, although the corporation shall not be operated for the primary purpose of carrying on for profit a trade or business unrelated to its tax exempt purposes.

(11) The corporation may pay pensions, establish and carry out pension, savings, thrift and other retirement, incentive and benefit plans, trusts and provisions for any or all of its directors, officers and employees.

(12) The corporation may be an incorporator of other corporations of any type of kind.

(13) The corporation may be a partner in any enterprise which it would have power to conduct by itself.

(14) The corporation may have and exercise all powers necessary or convenient to effect any or all of the purposes for which the corporation is formed; provided that no such power shall be exercised in a manner inconsistent with Massachusetts General Laws, Chapter 180 or any other chapter of the General Laws of the Commonwealth.

5. By-laws of the corporation have been duly adopted and the initial directors, president, treasurer and clerk or other presiding, financial or recording officers whose names are set out below, have been duly elected.

6. The effective date of organization of the corporation shall be the date of filing with the Secretary of the Commonwealth or if later date is desired, specify date, (not more than 30 days after date of filing).

To be effective on January 1, 1983

7. The following information shall not for any purpose be treated as a permanent part of the Articles of Organization of the corporation.

a. The post office address of the initial principal office of the corporation in Massachusetts is:

228 Salem Street, Woburn, MA 01802

b. The name, residence, and post office address of each of the initial directors and following officers of the corporation are as follows:

	NAME	RESIDENCE	POST OFFICE ADDRESS
President:	John J. Riley, Jr.	9 Huntingdon Road Lynnfield, MA 01940	228 Salem Street Woburn, MA 01802
Treasurer:	John J. Riley, Jr.	9 Huntingdon Road Lynnfield, MA 01940	228 Salem Street Woburn, MA 01802
Clerk:	Diana W. Riley	9 Huntingdon Road Lynnfield, MA 01940	228 Salem Street Woburn, MA 01802

Directors: (or officers having the powers of directors)

John J. Riley, Jr.	9 Huntingdon Road Lynnfield, MA 01940	228 Salem Street Woburn, MA 01802
Diana W. Riley	9 Huntingdon Road Lynnfield, MA 01940	228 Salem Street Woburn, MA 01802

c. The date initially adopted on which the corporation's fiscal year ends is:

December 31

d. The date initially fixed in the by-laws for the annual meeting of members of the corporation is:

Second Tuesday in March

e. The name and business address of the resident agent, if any, of the corporation is:

N/A

IN WITNESS WHEREOF, and under the penalties of perjury the INCORPORATOR(S) sign(s) these Articles of Organization this day of December 1982

I/We the below signed INCORPORATORS do hereby certify under the pains and penalties of perjury that I/We have not been convicted of any crimes relating to alcohol or gaming within the past ten years; I/We do hereby further certify that to the best of my/our knowledge the above named principal officers have not been similarly convicted. If so convicted, explain.

.....

.....

.....

The signature of each incorporator which is not a natural person must be by an individual who shall show the capacity in which he acts and by signing shall represent under the penalties of perjury that he is duly authorized on its behalf to sign these Articles of Organization.

THE COMMONWEALTH OF MASSACHUSETTS

ARTICLES OF ORGANIZATION
GENERAL LAWS, CHAPTER 180

I hereby certify that, upon an examination of the within-written articles of organization, duly submitted to me, it appears that the provisions of the General Laws relative to the organization of corporations have been complied with, and I hereby approve said articles; and the filing fee in the amount of $30.00 having been paid, said articles are deemed to have been filed with me this day of 19

Effective date

MICHAEL JOSEPH CONNOLLY
Secretary of State

TO BE FILLED IN BY CORPORATION
PHOTO COPY OF ARTICLES OF ORGANIZATION TO BE SENT

TO: Margaret A. Metzger, Esquire
Nutter, McClennen & Fish
Federal Reserve Plaza
600 Atlantic Avenue
Boston, MA 02210

Telephone (617) 973-9700

Filing Fee $30.00

Copy Mailed

EXHIBIT
Maher #19
1.15.86 WKL

PRINTED-Bayonne, N. J.

Kelly, J. J. 25-022-NS

This is a semi-emergency!

Job File

om: D. Maher

Date: 3/4/85

iller:

Rig:

b: J.J. Riley Co. - Woburn

Job No.: 85-022-WS

gineer:

Contact: Charlie Sheehan

one:

Phone: 933-5900

b Site: Salem ST Woburn, MA

24" dia well 55' deep

(This is a one man surge Job)

ope of Work: The pump has been removed.

Set surge equipment & surge + pump the well for 6-8 hours.

Add 30 gallons of Chlorine w/ 500 gallons of H_2O for back flush

Add 275 gallon of Muriatic Acid w/ 500 gallons of H_2O for back flush

Add 300# of Metaphos w/ 500 gallons of H_2O.

Make sure water is added.

After set the new pump + water that Riley has in stock w/ the boom truck.

ojected Materials to be Needed: 400gpm Pump, 6" surge Pipe, 24" surge block, 30 Ch - 275 Acid - 300# Metaphos

See if it can be done on the week of 3-11

INVOICE

30497

D. L. MAHER CO.
71 CONCORD STREET • P. O. BOX 127
NORTH READING, MA 01864
(617)933-3210

INVOICE DATE	April 9, 1985
OUR ORDER NO.	85-022-WS
YOUR ORDER NO.	
TERMS	NET 15 days
F.O.B.	
SALESPERSON	
SHIPPED VIA	

J.J. Riley
Salem Street
Woburn, MA
01801

SHIPPED TO

PPD. OR COLL.

QUANTITY	DESCRIPTION	PRICE	AMOUNT
1	Well Sounder		242.00
	5% Mass. sales tax:		12.10
			$254.10

SERVICE CHARGE OF 1½%
PER MONTH WILL BE
MADE ON ALL BALANCES
EXCEEDING 45 DAYS.

4/9

C 14405 RAPIDFORMS, INC., BELLMAWR, NJ 08031

INVOICE

D. L. MAHER CO.
71 CONCORD STREET • P O BOX 127
NORTH READING, MA 01864
(617)933-3210

10443

Page 2 PD 4/83

INVOICE DATE: March 27,1985
OUR ORDER NO.: 85-022-WS
YOUR ORDER NO.:
TERMS: NET 15 days
F.O.B.:
SALESPERSON:
SHIPPED VIA:

J.J. Riley
Salem Street
Woburn, MA 01801

PPED TO:
PPD. OR COLL.

QUANTITY	DESCRIPTION	PRICE	AMOUNT
7½ hrs.	Serviceman, including travel @	33.75/hr.	253.13
7½ hrs.	Helper " " @	30.75/hr.	230.63
1 day	Hydraulic rig		280.00
28 mi.	Mileage @	.70/mi.	19.60
	3/26/85		
	0800 to 0815 - Travel		
	0815 to 1145 - Grind well cover, connected water main and lines. Put up riser pipe to top of pit. Ran the pump; 630 GPM at 78 PSI 16'0½" pumping level 115, 125, 112 Amps, pumped to waste. Finished setting with 2" lokking cap on the top of the pit door.		
	1145 to 1200 - Travel		
4 hrs.	Serviceman @	33.75/hr.	135.00
4 hrs.	Helper @	30.75/hr.	123.00
½ day	Hydraulic rig		140.00
14 mi.	Mileage @	.70/mi.	9.80
5.75	Man hours - Shop Labor @	33.75/hr.	194.06
	Materials		
30 gls.	Chlorine @	1.60/gl.	57.20
275 gls.	muriatic @	1.60/gl.	440.00
300#	metaphos @	95./100#	285.00
1	2" x 1 nipple		3.50
	Small stores		49.13
	TOTAL:		$6525.05

SERVICE CHARGE OF 1½% PER MONTH WILL BE MADE ON ALL BALANCES EXCEEDING 45 DAYS

There is an increasing problem with the continuity of the wires that service the pit.

3/27

FORM NO. 14405 RAPIDFORMS, INC., BELLMAWR, NJ 08031

INVOICE

50443

D. L. MAHER CO.
71 CONCORD STREET • P. O. BOX 127
NORTH READING, MA 01864
(617)933-3210

Page 1

INVOICE DATE	March 27, 1985
OUR ORDER NO.	85-022-WS
YOUR ORDER NO.	
TERMS / F.O.B.	NET 15 days
SALESPERSON	
SHIPPED VIA	

J.J. Riley
Salem Street
Woburn, MA 01301

SHIPPED TO

PPD. OR COLL.

QUANTITY	DESCRIPTION	PRICE	AMOUNT
	3/14/85		
	0630 to 1000 - Load equipment, w/jib, surge pipe & pump.		
	1000 to 1030 - Move rig tothe jobsite.		
	1030 to 1680 - Set up the rig with jib, set surge line, unload 3" pump & connected same.		
	1630 to 1700 - Return to shop		
10	Machine hours		
	3/15/85		
	0815 to 1645 - Shorten stroke, add 30 gallons chlorine, 275 gallons muriatic acid, 300# metaphos with backflush and dry surge.		
8½	Machine hours		
	3/18/85		
	0730 to 1700 - Developing well (Dirty) Pumping 303 gpm at 4'7" drawdown or 66.2 gpm/ft.		
9½	Machine hours		
	3/19/85		
	0730 to 1630 - Developed well 66 gpm/ft. Sand free		
9	Machine hours		
	3/20/85		
	0730 to 0830 - Waited at gate for someone to unlock (company meeting)		
	0830 to 1230 - Pump down the vault, cut off guides, pulled surge pipe, removed jib took down ~~job~~ and moved out.		
4	Machine hours		
41	Machine hours @	105./hr.	4305.00
	Reinstallation of the Pump		
	3/25/85		
	0900 to 0915 - Travel		
	0915 to 1615 - Started setting pump, couldn't finish. Water was 1ft. above floor of pit and surface plate had to be fitted.		
	1615 to 1630 - Travel		

Continued

FORM NO. 14405 RAPIDFORMS, INC., BELLMAWR, NJ 08031

INVOICE

#0353

D. L. MAHER CO.
71 CONCORD STREET • P. O. BOX 127
NORTH READING, MA 01864
(617)933-3210

PD 3/19

INVOICE DATE	February 13, 1985
OUR ORDER NO.	85-022-WS
YOUR ORDER NO.	
TERMS	NET 15 days
F.O.B.	
SALESPERSON	
SHIPPED VIA	

J.J. Riley Company
Salem Street
Woburn, MA 01801

SHIPPED TO

PPD. OR COLL.

QUANTITY	DESCRIPTION	PRICE	AMOUNT
	Jan. 21, 1985		
	1000 to 1400 - Removed the pump; motor megged poorly. Brought pump & motor to the shop.		
	1600 to 1700 - Removed hub, inspected wire.		
5 hrs.	Serviceman @	33.75/hr.	168.75
4 hrs.	Helper @	30.75/hr.	123.00
½ day	Hydraulic rig		140.00
14 mi.	Mileage @	.70/mi.	9.80
			$ 441.55

SERVICE CHARGE OF 1½%
PER MONTH WILL BE
MADE ON ALL BALANCES
EXCEEDING 45 DAYS

2/13

FORM NO. 14405 RAPIDFORMS, INC., BELLMAWR, NJ 08031

ENVIRONMENTAL
CONTROL
SYSTEMS

THE MAHER CORPORATION

P.O. BOX 127 • 71 CONCORD STREET
NORTH READING, MASSACHUSETTS 01864
617/933-3210

April 30, 1985

Sun Star Electric Inc.
1115A Slaton Highway
Lubbock, TX 79404

Gentlemen:

We have a customer, who would like to know if the carcass of their Byron Jackson motor is worth anything.

The motor failed last month when the pump broke suction, vibrated, and the mercury seal failed.

HP 50	Phase 3
Volts 230	Full Load Amps 130
Pole 4	S/N 10-2612-4-1RB
Hertz 60	

If you are interested, please call, if not, please return the business reply card. Thank you.

Very truly yours,

THE MAHER CORPORATION

Denis L. Maher, Jr.
President

Enc:

DLM:jrs

US EPA ARCHIVE DOCUMENT

Our continued commitment to quality is the cornerstone of the Maher name. It is a commitment that assures our clients of the best product and service available in the industry today. If you'd like to learn more about the Maher name, we'd be happy to discuss the full scope of our services at your convenience.

D.L. Maher Company
The Maher Corporation
71 Concord Street
P.O. Box 127
North Reading, MA 01864-0127
617/933-3210

Yes, I am interested in receiving additional information.

- ☐ Ground Water Development
- ☐ Hydrogeological Consulting
- ☐ Annual Preventative Maintenance Inspections
- ☐ Well Cleaning and Rehabilitation
- ☐ Pumping Equipment
- ☐ Water and Wastewater Treatment Equipment

Name _____ Title _____
Firm Tom Sim Electric Inc
Address 4854 Slaton Highway
City/Town Lubbock State TX Zip 79404
Phone Bei Byron Jackson Motor

Primary Business
- ☐ Consultant/Engineer
- ☐ Municipal
- ☐ Industrial
- ☐ _____

We are not Interested ☑

TWC

Sun Star Elec.

We have a customer, who would like to know if the carcass of their Byron Jackson motor is worth anything.
The motor failed last month when the pump broke section, rebuilt, + the mercury seal failed.

HP	50	Phase 3
Volts	230	Full load Amps 130
Pole	4	Ser # 10-2612-4-1BB
Hertz	60	

If you are interested please call. If not please ~~click~~ return the business reply card

Thank you

Pres.

FROM

Mike Sullivan
John McCall

D. L. MAHER CO.
P. O. Box 127 • Concord St.
No. Reading, Mass. 01864
(617) 933-3210

SUBJECT: M.A. Riley - B.A. Motor

DATE 4-10-85

MESSAGE

Need Ser # + name plate data.

SIGNED

DATE

REPLY

SIGNED

DUPLICATE INVOICE

SEND ALL REMITTANCES
TO P.O. BOX 9066
PROVIDENCE, R.I. 02940

GEORGE MANN & CO., INC.

MERCHANTS AND DISTRIBUTORS OF HEAVY CHEMICALS

OFFICE AND WAREHOUSE HARBORSIDE BOULEVARD
MUNICIPAL DOCK, PROVIDENCE, R.I. 02905
TEL. 401-781-5600

105 CENTRAL STREET
STONEHAM, MASS. 02180
TEL. 617-438-1335

SOLD TO:

D L MAHER COMPANY
P O BOX 127
N. READING, MA.
01864

SHIP TO IF DIFFERENT FROM SOLD TO:

D L MAHER COMPANY
CONCORD STREET
N. READING, MA.
01864

SHIP DATE	CONTROL	INVOICE DATE	INVOICE NO.	ORDER NO.	CUST. NO.	SHIP VIA	SLSMN	TERMS
3/08/85	42071	03/08/85	06559	251	35829	MAIN TRK 3965 PED	05	

ENTITY ORDERED	QUANTITY SHIPPED	ITEM NUMBER	DESCRIPTION	WEIGHT	PRICE	PER	LESS %	CODE	AMOUNT
2	2	112522	WILCLOR 2 15G DR	30	.98	G		1	29.40
	2	190410	CONT 15 GAL DEL	2	25.00	E		1	50.00
5	5	103712	MURIATIC ACID 20 DEG 500# DR PT	2500	.1005	L		1	251.25
	5	190430	CONTAINERS 55 GAL PLASTI	5	50.00	E		1	250.00
3	3	123702	METAPHOS GR 100# PG	300	.7455	L		1	223.65

File copy
J. J. Riley
85.022.WS.

CODE EXPLANATION		
-POUND	M—THOUSAND	1—DELIVERED
-GALLON	T—TON	2—X STORE
-HUNDRED	E—EACH	3—FOB WORKS

LOCATION 2

PAY THIS AMOUNT
804.30

Containers remain the property of the Seller and to guarantee their return a deposit is required. Containers returned in good condition within 90 days are to be credited only to BUYER'S account and not to successors, assigns, receivers or trustees of BUYER.
A service charge of one percent (1%) per month will be assessed on all balances which extend beyond terms agreed to by our credit department.

D.L. MAHER CO. DAILY TIME REPORT Date: 26 March 85

Owner: J.J. Rivas Location _____ Job. No 85-022-05

Foreman (1) Tom McNal Helper (2) Mike Mage (3) _____ (4) _____

Truck No. 78-Pump MI. 14

From	To	1	2	3	4	DETAILED REPORT
700	0800	1				Get together materials for T&L - 1½ pump Engineer Crowder - Pipe Ect
800	0815	¼	¼			Travel / Pump Down pit
815	1145	3¼	3¼			Pickup pump + Grind off well from Guides - Put pump Down hole - Pickup water main + head - Put up Risers pipe to Top of pit - Rev pump 1300 RPM - 78 PSI ½"-0% P.L. 115-125-112 Amps - Pumped to waste - Finished Taping Guides - Put on 2" locking cap on Top of pit Done
1145	1200	¼	¼			

Materials used or moved on or off job:

2" locking Cap 15.96 2"x1' Nipple 3.50 2-1½ Couplings 3.92
1½x5½ Nipple 1.95 8" Rive Gasket 3.00 8-7/16x1½ Bolts
+ Nuts 4 Tape 16.00 4.50

Shop time	1	
Travel time	¼	¼
Site time	3¼	3¼
Total time	5	4

D.L. MAHER CO. DAILY TIME REPORT Mon Date: March 25, 1985

Owner J.J. Riley Location RJ Indianapolis Well Job. No 85-022-WS

Foreman (1) John McNeil Helper (2) Tom McNeil (3) (4)

Truck No. 7 & Pump MI. 28 2 trips

From	To	1	2	3	4	DETAILED REPORT
730	0900	1/2	1/2			gassed up truck loaded RJ Indianapolis well - 2 - long blockings for access well
900	0915	1/4	1/4			Travel to jobsite - met with Jim Geringer
915	1615	7	7			went back to shop to get used RJ hoses Travel to these shop -
						started setting pump - set pump up to discharge head as pit hole is not up water in it and also hole seals welded on top of well
1615	1630	1/4	1/4			return to shop

	1	2
rep time	1/2	1/2
ravel time	1/2	1/2
te time	7	7
tal time	8	8

Materials used or moved on or off job:

14' of 3/4 SS Banding - 13.60

15 3/4 SS Buckles 4.00

1 Roll Plastic Tape 4.00

D.L. MAHER CO.

DAILY TIME REPORT

Mon

Date: Mon-Jan 25, 1985

Owner J.J. Pl[illegible] Location Sh[illegible] Job. No 85-022-WS

Foreman (1) Tom [illegible] Helper (2) _____ (3) _____ (4) _____

Truck No. _____ MI. _____

From	To	1	2	3	4	DETAILED REPORT
0760	0830	1½				Removed adapter from top of submersible pump picked up mercury off floor - tried to get hub off top of motor - located a set of Drive hubs.

Materials used or moved on or off job:

Shop time 1½

Travel time

Site time

Total time 1½

D.L. MAHER CO. DAILY TIME REPORT Date: 3-20-85

Owner J.J. Riley Location #2 well Job. No 85-022-WS

Foreman (1) G. Burns Helper (2) P. Searle (3) (4)

Truck No. 84-2 MI.

m	To	1	2	3	4	DETAILED REPORT
30	0715	3/4	3/4			load 12" Surge Block, Extra Fittings + Blocking
15	0730	1/4	1/4			Travel
30	0830	1	1			Waited for Abagonna to unlock Gate (Company Meeting)
30	1230	4	4			Pump down Vault. Cut off Guides Pulled Surge Pipe Took off Jib Move Rig Ahead load Jib, short stem Surge Pipe 3" Pump Take down Rig load Blocking etc.

D.L. MAHER CO. DAILY TIME REPORT Date: 3-19-85

Owner T.J. Riley Location #2 well Job. No 85-022-WS

Foreman (1) B. Bunns Helper (2) (3) (4)

Truck No. 84-2 MI. 30

From	To	1	2	3	4	DETAILED REPORT
700	0730	1/2				Shop. + Travel
730	1630	9				Develop well Sand free.
30	1700	1/2				Drive to U+P Truck Center for Fuel line Plug for 84-2

Materials used or moved on or off job:

Shop time	1/2
Travel time	1/2
Site time	9
Total time	10

D.L. MAHER CO. DAILY TIME REPORT Date: 3-18-85

Owner J.I. Riley's Co. Location # 2 well Job. No 85-022-w

Foreman (1) G. Burns Helper (2) (3) (4)

Truck No. 84-2 MI.

From	To	1	2	3	4	DETAILED REPORT
630	0715	3/4				Unloading Mixing barrell + Empty Bags, fuel ect.
715	0730	1/4				Travel
730	1700	9 1/2				Develope well 9.5 Hrs Showing 66.2 G.P.F @ 303. G.P.M.

Materials used or moved on or off job:

Stop time 3/4

Travel time 1/4

Site time 9 1/2

Total time 10 1/2

D.L. MAHER CO. DAILY TIME REPORT Date: Friday 3-15-85

Owner Riley Leather Location Riley Leather Job. No 85-022-WS

Foreman (1) M. Magee Helper (2) (3) (4)

Truck No. MI.

Com	To	1	2	3	4	DETAILED REPORT
630	0930	3				unload 81-5, 76-1 long truck and trailer
930	1000	1/2				Load trailer w/ muriatic Acid metaphos and bleach
00	1400	4				worked w/ 6 burns putting chemicals in well
100	1430	1/2				Travel back to shop
430	1500	1/2				unload trailer and 83-1
top time		8 1/2				
travel time						
ite time						
total time		8 1/2				

Materials used or moved on or off job:

D.L. MAHER CO. DAILY TIME REPORT Date: 3-15-85

Owner: JJ Riley Location: Well #2 Job. No. 85-022-WS

Foreman (1) G. Burns Helper (2) (3) (4)

Truck No. 84-2 MI.

From	To	1	2	3	4	DETAILED REPORT
0630	0800	1½				Drill hole in pin, make up new pin
0800	0815	¼				load welder
0815	1645	8½				Shorten stroke - Pumping 225 Morinatic 30 gal of wilclor 2 mix and added 300 lbs of metaphose. + Dry Surge.
1645	1700	¼				
						Redriver to shop + unload welder

Materials used or moved on or off job:

Shop time 1½

Travel time ½

Site time 8½

Total time 10½

D.L. MAHER CO. DAILY TIME REPORT Date: 3-14-85

Owner J.J. Riley Location Well #2 Job. No 85-022-WS

Foreman (1) G. Burns Helper (2) R. Ammon (3) (4)

Truck No. 84-2 60-4WL

From	To	1	2	3	4	DETAILED REPORT
630	1000	3½	3½			load Rig & Pick up - Jib Surge Pipe Pump
00	1030	½	½			Move Rig to Job # m to Site
30	1630	6	6			Set up Rig w/ Jib Set Surge line
						unload 3" Pump Hook up Pump.
						Pump & Surge 3 Hrs.
						well Showed 50 G.P.M @ 300 G.P.M.
30	1700	½	½			Return to Site w/ Broken Pin
						degrease & clean threads w/ 3 corner file

Materials used or moved on or off job:

	1	2	3	4
oop time	3½	3½		
travel time	1	1		
ite time	6	6		
otal time	10½	10½		

Alley VK 8-1-68

D. L. MAHER CO.

P.O. BOX 274 • WOBURN, MASS.

933-3219

INVOICE

No. 4316

INVOICE DATE 9/23/68

OUR ORDER NO. [illegible]

YOUR ORDER NO.

TERMS 30 days net. F.O.B.

SALESMAN

SHIPPED TO

J. J. Riley Company,
Salem Street,
Woburn, Mass.

SHIPPED VIA

PPD. OR COLL.

QUANTITY	DESCRIPTION	PRICE	AMOUNT
	9/6/68		
	Performing Tests on Gravel packed wells.		
	Foreman:		
8 hrs.	including travel	$ 9.00	$ 72.00
1 hr.	overtime	12.00	12.00
	Helper (2):		
8 hrs.	including travel	7.50	60.00
1 hr.	overtime	10.00	10.00
8 hrs.	including travel	7.50	60.00
1 hr.	overtime	10.00	10.00
	9/7/68		
	Conducting Test on wells.		
	Foreman:		
4 hrs.		9.00	36.00
	Helper:		
4 hrs.		7.50	30.00
			$ 290.00

Pd 9/26/68

IBM 1440. REGENT FORMS. PHILA., PA. 19130

COPY

D. L. MAHER CO.

August 27, 1968

J. J. Riley Co.
Salem Street
Woburn, Massachusetts 01801

Att: Mr. John J. Riley Jr.

Re: Wells No. 1 and 2

Gentlemen:

At your request our firm conducted performance tests on your existing gravel packed wells No. 1 and 2 with the following results.

Well No. 1. (Attached Pump Test Log)

This well was test pumped at a rate of 305 gallons per minute to waste with a pumping level of 26', or an actual drawdown of 13'±. At this rate it was determined that the well is capable of delivering approximately 25 GPM per foot of drawdown.

Well No. 1 is approximately 38' in depth, equipped with 12' of 24" screen (top set at 26'). Please note that the pumping level during our test was at the top of the screen.

On the original pumping test of the newly constructed well in April of 1945, the static water table was approximately 3' below the original ground level. The test was conducted at the rate of 410 GPM with an actual drawdown of 15', or a specific yield of 26 GPM per foot of drawdown.

The specific yield of the original test and the one recently performed are basically identical, with the exception that the static water level is approximately 10' lower now. This can be accounted

COPY

D. L. MAHER CO.

for by the fact that your No. 2 well is having an effect on the ground water table, and also the City has installed wells in the same general area and these, too, are affecting the water table.

In order to maintain the capacity of this No. 1 well, we recommend that the pumping level not exceed a depth of 25', or 1' above the top of the screen. Using a 25' pumping level, you should be able to realize a maximum capacity of approximately 275 GPM, provided the ground water table is not further affected by lack of precipitation and/or over pumping.

Well No. 2. (Attached Pump Test Log.)

The information obtained during this test was limited due to the fact that we could not measure the capacity, but could only obtain pumping levels.

This well is approximately 49'6" in depth, equipped with 15' of 24" screen (top set at 34'6").

Our first reading (14') was taken at 7:35 a.m. The pump was running at this time, but we presume that there was little or no demand on the system, so we are using this 14' figure as the static water level. During our tests we had a maximum pumping level of 30'6" below the head of the pump, or approximately 4' above the top of the well screen. The actual drawdown, considering that 14' is the correct static, was 16'6". Since we do not know the pumping rate at the time of the water level readings, we cannot establish whether the well has fallen off in capacity or not, but do know that the static water table in this site is also being affected.

If the 14' measurement is the correct static water level, the ground water table at this site has been lowered approximately 15'±.

In order to perform a true performance test on the well, it would be necessary to have the well shut down for a period of time, perhaps over a week end, so that we could get a true static water level. At this time we would install a temporary blow-off on the pump head and conduct a pump test measuring drawdown, capacity and pressures on the pump, while pumping to waste and not to the system.

COPY

D. L. MAHER CO.

We trust that we have covered everything, but should you desire any additional data please feel free to call.

Yours truly

D. L. MAHER CO.

Edward J. Maher
Vice President

EJM:of
Encs.

Well No. 2
Location E. Side of RR. Track

D. L. MAHER CO.
RECORD OF TEST

8/2/68

Contract J. J. Riley
Orifice No Capacity Test

Time	Pumping Level	Remarks
7:35 Am	14'	Pump was running (No Demand ?)
7:45	21'	
7:50	22'	
7:55	19'	No Flow meter
8	27'	
8:05	28'	
8:10	30'	
8:15	25'	
8:20	17'	
8:25	19'	Pump rate apparently Fluctuates with The demand in The plant.
8:30	23'	
8:35	26'	
8:40	30'	
8:45	30'	
8:50	29'	
8:55	25'	
9:00	28'	
9:05	27'	
9:10	28'	
9:15	25'	
9:20	28'	
9:25	28'	
9:30	29'	
9:35	29'6"	
9:40	30'6"	

Well No. 2
Location E. Side of RR. Tracks

D. L. MAHER CO.
RECORD OF TEST

Contract J. J. Riley
Orifice No Capacity Test

Time	Pumping Level
9:45	30'-6"
9:50	29
9:55	29'-6"
10:00	27'
10:30	28'

Report of Tests Run on
Wells of
J.J Riley Woburn

Re Opening of Old Well

6" Pipe 4" Orfice

Day	Date	Time	Back Pressure	Orf.	GPM	Draw Down To.
Tues	8/6/68	4 PM	80#	23"	305	11-13'
Wed	8/7/68	7:15 AM	80#	23"	305	13'
"	" "	830 AM	80#	23"	305	13'
"	" "	9:30 AM	80#	23"	305	13'
"	" "	1030 AM	80#	23"	305	13'

At This Time I Think The old Well is quite well Balanced @ 300 gpm w/ 12-13 ~~[illegible]~~ Water level Pumping Aginst 80# ~~Back~~ Line Press

I also Think The Pipe leading to the Plant is Leaking

Dean [illegible]

Report of Draw Down Concerning

New Well (Sub) of J. J Riley & Woburn

Tests Ran Weds. 8/7/68

All Times in The A.M

Time	Well Drawn Down To From top of Well	Time	Well Drawn Down To From top of Well
7:35	14'	9:20	28'
7:45	21'	9:25	28'
7:50	22'	9:30	29'
7:55	19'	9:35	29'6"
8:00	27'	9:40	30'6"
8:05	28'	9:45	30'6"
8:10	30'	9:50	29'
8:15	25'	9:55	29'6"
8:20	17'	10:00	27'
8:25	19'		
8:30	23'	10:30	28'
8:35	26'		
8:40	30'		
8:45	30'		
8:50	29'		
8:55	25'		
9:00	28'		
9:05	27'		
9:10	28'		
9:15	25'		

Dean Lincoln

PR 8-1-68

D. L. MAHER CO.

DAILY TIME REPORT

Job Pike's Woburn

Date Wed 8/7/68

Name	Hours	Hours on Job	Hours at Warehouse and to Job	Report of Work Done
Dean Luscomb	4	4		Test Drawdown
Chas. Ryan	4	4		of (New Well)
				Check Flow Rate
				of old Well
Name of Truck Driver FROM Job	Hours			

Comments Old Well Seems Quite Stable @ 300 GPM w/ 80# Back Pressure This Well also Cleared up very Nicely

Equipment and material moved on or off job

Equipment and material needed

PR 8-1-68

D. L. MAHER CO.

DAILY TIME REPORT

Tues

Job Riley's Woburn

Date 8/6/68

Name	Hours	Hours on Job	Hours at Warehouse and to Job	Report of Work Done
Dean Luscomb	9	7	2	Start + test
Chas Ryan	9	7	2	old Well
Dennis Maher	8	6	2	
				Left @ 23"
				305 gpm 10-14
				@ 400 gpm
				To Be Checked
				In A.M.
Name of Truck Driver FROM Job	Hours			
65-1				

Comments

Equipment and material moved on or off job

Equipment and material needed

Tanzey PK 1-5-71

D. L. MAHER CO.

P.O. BOX 274 • WOBURN, MASS.

933-3210

INVOICE

No. 5013

INVOICE DATE	March 23, 1971
OUR ORDER NO.	DDL-3-71
YOUR ORDER NO.	
TERMS	net 30 days
F.O.B.	
SALESMAN	
SHIPPED VIA	
PPD. OR COLL.	

J.J. Riley
228 Salem Street
Woburn, Mass.

SHIPPED TO

QUANTITY	DESCRIPTION	PRICE	AMOUNT
1	Gould 3770 Size 3DL		
	All iron centrifugal pump		343.00
	Sales exempt 30 Mass. Tax		10.29
	TOTAL		$353.29

Pd 4-6-71

JOHN J. RILEY COMPANY
WOBURN, MASSACHUSETTS 01801

DATE	REFERENCE	AMOUNT	BALANCE	DISCOUNT
MAR 31 71	5,018	343.00	343.00	

ES-8261

NCR PAPER PATENTED BY NCR CO.

REMITTANCE ADVICE

ISBN 1440, REGENT FORMS, PHILA., PA. 19130

D. L. MAHER CO.

P.O. BOX 274 • WOBURN, MASS.

933-3278

INVOICE

No. 4999

J.J. Riley
223 Salem Street
Woburn, Mass.

INVOICE DATE	January 29, 1971
OUR ORDER NO.	April 5, 71
YOUR ORDER NO.	
TERMS	net 30 days
F.O.B.	
SALESMAN	
SHIPPED TO	
SHIPPED VIA	
PPD. OR COLL.	

QUANTITY	DESCRIPTION	PRICE	AMOUNT
	1/3/71 (Saturday) - disconnected pipe line, gate would not close tight, waited for line to drain- removed well cover and pulled pump up to top of well. Motor seized up.		
10 hrs. (overtime)	pump man, including travel	13.00	130.00
10 hrs. (overtime)	helper, including travel	11.00	110.00
15 mi.	Mileage (pump rig)	.15	2.25
1 day	Equipment, pump rig	75.00	75.00
	1/11/71- removed pump-load column and materials and return to N. Reading		
5 hrs.	pump man, including travel	10.50	52.50
5 hrs.	helper, including travel	9.00	45.00
15 mi.	Road truck	.15	2.25
		.15	2.25
		75.00/day	37.50
5		10.50	84.00
4		13.00	19.50
3			
2		9.00	72.00
1		11.00	16.50
8			
7		.15	2.25
6		.15	2.25

Pd 2-8-71

JOHN J. RILEY COMPANY
WOBURN, MASSACHUSETTS 01801

DATE	REFERENCE	AMOUNT	BALANCE	DISCOUNT
FEB 4 71	4,999	4,878.66	4,878.66	

Pd 2-8-71

NCR PAPER PATENTED BY NCR CO. ES-8261

REMITTANCE ADVICE

D. L. MAHER CO.

P.O. BOX 274 • WOBURN, MASS.

933-3210

INVOICE

No. 4999

Page 2

INVOICE DATE: January 29, 1971

OUR ORDER NO.:

YOUR ORDER NO.: PP1-5-71

TERMS: net 30 days

F.O.B.:

SALESMAN:

SHIPPED VIA:

PPD. OR COLL.:

SHIPPED TO: J.J. Riley

QUANTITY	DESCRIPTION	PRICE	AMOUNT
1 day	equipment - hydraulic pump rig	75.00	75.00
	Materials		
1	B.J. 50hp 3/60/220, 1750 rpm, submotor		3,825.00
	(note: Air freight charges will be forwarded when received)		
	Common carrier - Logan to North Reading		16.40
10	1/2" x 2-1/4" 304SS hex cap screws		6.00
80	1/2 x 1-1/2" 304SS " " "		40.00
80	1/2 314 SS hex nuts		15.20
80	1/2 304 SS ~~lxxxxxxxxx~~ lockwashers		4.80
1	3" hard gasket		1.00
10	3/4"x3" cad. hex mshead bolts and nuts		6.00
1	1/4" compression union		.51
3	rolls plastic tape		6.00
1	roll rubber tape		2.00
12	1/2" x 3" hex bolts and nuts cad.		3.00
6'	3/4" bandit S.S.		6.60
2	3/4" S.S. Bandit buckels		1.20
2	protective pads for buckels		.70
	Shop time - 20 man hrs., cleaning, inspecting, repairs, and assembly	10.50	210.00
40 mi.		.15	6.00
	TOTAL		$4,878.66

Tax exempt #041-774-740

RM 1440. REGENT FORMS, PHILA., PA. 19130

MAHER SUPPLY CORPORATION

P.O. BOX 127 • CONCORD ST.
NO. READING, MASS. 01864
(617) 935-6049

INVOICE

77

INVOICE DATE	April 29, 1971
OUR ORDER NO.	
YOUR ORDER NO.	Riley
TERMS	net 30 days
F.O.B.	
SALESMAN	
SHIPPED VIA	
PPD. OR COLL.	

D.L. Maher Company

SHIPPED TO

QUANTITY	DESCRIPTION	PRICE	AMOUNT
1	50 HP 3/4/60 - 220 volt Type H RB Submersible MTR		$3,370.00
	Freight		202.54
	TOTAL		$3,572.54

J. J. Riley
PR 1-5-71
job file copy

WEHAWKEN, N.J. 08109

BUFFALO, N.Y. • CHICAGO, ILL. • CLEVELAND, OHIO • WALLINGFORD, CONN.

Industrial Service Centers, Inc.
255 BENT STREET
CAMBRIDGE, MASSACHUSETTS 02141
(617) 864-7700 • TWX: (710) 320-0805

INVOICE NO. A 28534

SOLD TO
D.L. MAHER CO
P.O. BOX 127
NORTH READING, MASS.

-6050851-00-5

SHIPPED TO
D.L. MAHER CO.
CONCORD ST
NORTH READING, MASS.

BUYER'S ORDER NO.	DATE	SALESMAN	SHIPPED VIA	PPD.	COLL.	DATE SHIPPED	INVOICE DATE
13651-ADD	1/21/71	14	C.T.			1/25/71	1/26/71

QUANTITY BACK ORDERED	QUANTITY ORDERED	QUANTITY TO BE SHIPPED	TYPE	DESCRIPTION	QUANTITY SHIPPED	UNIT PRICE	AMOUNT
	20 PCS	20 PCS	304	1/2-13 X 1-1/2" HEX HEAD			
				CAPS	20	31.50/C	6.30
2M/DA				T/E			

Rec'd 1-25-71

PLEASE REMIT TO US AT P.O. BOX 56, BALTIMORE, MD. 21203 WITH COPY OF THIS INVOICE

TOTAL ▷ 6.30

WARRANTY

WILL REPLACE ANY STEEL WHICH IS PROVED TO BE DEFECTIVE AS SHIPPED, BUT NO CLAIMS FOR LOSS OR DAMAGE WILL BE ALLOWED. MATERIAL CLAIMED DEFECTIVE MUST NOT BE RETURNED TO US OR WAREHOUSE WITHOUT OUR WRITTEN CONSENT.

FAIR LABOR

"WE HEREBY CERTIFY THAT THESE GOODS WERE PRODUCED IN COMPLIANCE WITH ALL APPLICABLE REQUIREMENTS OF SECTIONS 6, 7, AND 12 OF THE FAIR LABOR STANDARDS ACT, AS AMENDED, AND OF REGULATIONS AND ORDERS OF THE UNITED STATES DEPARTMENT OF LABOR ISSUED UNDER SECTION 14 THEREOF."

ORIGINAL INVOICE

TERMS

CASH DISCOUNT FOR PAYMENT IN 10 DAYS
ALL PRODUCTS 1/2%
EXCEPT SCREWED AND FLANGED PIPE FITTINGS:
VALVES 2%
AND WELDING ROD ..... NET
NET 30 DAYS
ALUMINUM ..... NET 30 DAYS.
INTEREST CHARGE: 1% PER MONTH AFTER 60 DAYS.

BUFFALO, N.Y. • CHICAGO, ILL. • CLEVELAND, OHIO • WALLINGFORD, CONN.

Industrial Service Centers, Inc.
255 BENT STREET
CAMBRIDGE, MASSACHUSETTS 02141
(617) 864-7700 • TWX: (710) 320-0805

INVOICE NO. A- 28431

SOLD TO

D L MAHER CO
BOX 127
NO REDDING MASS.

60 50851 00 5.

SHIPPED TO

SAME.
CONCORD ST.

NO READING MASS..

CUSTOMER'S ORDER NO.	DATE	SALESMAN	SHIPPED VIA	PPD.	COLL.	DATE SHIPPED	INVOICE DATE
13651.	1/19/71	01 T.	CALL.			1/20/71	1/21/71

QUANTITY BACK ORDERED	QUANTITY ORDERED	QUANTITY TO BE SHIPPED	TYPE	DESCRIPTION	QUANTITY SHIPPED	UNIT PRICE	AMOUNT
	80PCS	80 PCS	304	1/2" SPLIT LOCK WASHERS	80	3.46/C	2.77
	80 PCS	80 PCS	304	1/2-13 HEX NUTS REG...)	80	14.45/C	11.56
	70 PCS	70 PCS	304	1/2" X 1-1/2" HEX HD CAP SCREWS	70	31.50/C	22.05
	10 PCS	10 PCS	304	1/2" X 2-1/4" HEX HD CAP SCREWS	10	48.20/C	4.82
* 3/GR.							

Relay 4/1 Apr 1-5-71 copy for file T/E

PLEASE REMIT TO US AT P.O. BOX 56, BALTIMORE, MD. 21203 WITH COPY OF THIS INVOICE

TOTAL ▶ 41.20T

WARRANTY

WE WILL REPLACE ANY STEEL WHICH IS PROVED TO BE DEFECTIVE AS SHIPPED. BUT NO CLAIMS FOR LABOR OR DAMAGE WILL BE ALLOWED. MATERIAL CLAIMED DEFECTIVE MUST NOT BE RETURNED TO MILL OR WAREHOUSE WITHOUT OUR WRITTEN CONSENT.

FAIR LABOR

"WE HEREBY CERTIFY THAT THESE GOODS WERE PRODUCED IN COMPLIANCE WITH ALL APPLICABLE REQUIREMENTS OF SECTIONS 6, 7, AND 12 OF THE FAIR LABOR STANDARDS ACT, AS AMENDED, AND OF REGULATIONS AND ORDERS OF THE UNITED STATES DEPARTMENT OF LABOR ISSUED UNDER SECTION 14, THEREOF.

ORIGINAL INVOICE

TERMS

CASH DISCOUNT FOR PAYMENT IN 10 DAYS
ALL PRODUCTS.....1/2%
EXCEPT SCREWED AND FLANGED PIPE FITTINGS:
VALVES.....2%
AND WELDING ROD.....NET
NET 30 DAYS
ALUMINUM.....NET 30 DAYS.
INTEREST CHARGE: 1% PER MONTH AFTER 60 DAYS.

ESTABLISHED 1896

LUNT MOSS COMPANY

Pumps For Every Purpose

OFFICE AND SALESROOM 236 BOSTON AVENUE
MEDFORD, MASS. 02155
TELEPHONE: 395-0240
AREA CODE 617

:MPS
URBINE PUMPS
PUMPS
ROTARY PUMPS

SWABY NON-CLOG PUMPS
HYDR-O-MATIC PUMPS
OSHKOSH FILTERS & SOFTENERS
PLASTIC PIPE & ACCESSORIES

No. 96507
DUPLICATE

March 23, 1971

ORDER NO. 15846
TERMS NET 30 days

[illegible] Co
P O Box 127
North Reading, Mass. 01864

Pick-up

Mass. Tax #041-572-065

1	[illegible] Mfg. 3770 #3BL pump only, w/packing	343	35		
	Loss 25%	85	34	$257	51
				NET	

J. J. Riley

Job file copy

[illegible]

[illegible] are no oral understandings or agreements relative to this order that are not fully expressed herein and this agreement may not be modified or amended except in writing.
Cash must accompany orders for repair parts, othewise C.O.D.; and if claim is made on warranty, defective parts must be returned, transportation charges prepaid.
[illegible] shortage or overcharge must be reported within 5 days of receipt of goods. Not responsible for damage or loss in transportation. MINIMUM CHARGE — $2.00

D. L. MAHER CO.

Daily Time Report

Date: Apr. 27-71

Owner: J. J. Riley Co.

Job Site:

Job No. PR1-5-71

Truck No.	Total Mileage	Starting Time	Arrival Time at Job Site	From Lunch	To	Departure Time From Job Site	Arrival Time at Shop	Driving Time From Job Site	Total Allowed Travel Time	Total Job Site Time	Total Daily Time	
5-1		2:30				4:30						J. O'Donnell

Work Performed

Loading a delivering 50 H.P. sub. motor

Materials moved on or off job

D. L. MAHER CO.

Daily Time Report

Date: Jan. 21-71

Owner: J. J. Riley Co

Job Site: Shop

Job No. PR1-5-71

Truck No.	Total Mileage	Starting Time	Arrival Time at Job Site	From Lunch	To	Departure Time From Job Site	Arrival Time at Shop	Driving Time From Job Site	Total Allowed Travel Time	Total Job Site Time	Total Daily Time
	7:00	7:00			12 N				5 hrs	5 hrs	J. O'Donnell

Work Performed

Assembling pump. Removed old studs & bolts & replaced with S.S.

Materials moved on or off job

D. L. MAHER CO.

Daily Time Report

Date: Jan. 20-71

Owner: J. J. Riley Co

Job Site: Shop

Job No. PR 1-5-71

Truck No.	Total Mileage	Starting Time	Arrival Time at Job Site	From Lunch	To	Departure Time From Job Site	Arrival Time at Shop	Driving Time From Job Site	Total Allowed Travel Time	Total Job Site Time	Total Daily Time
	7:00	7:00				10 AM			3 hrs.	3 hrs.	J. O'Donnell

Work Performed

Cleaning pump

Materials moved on or off job

15
15
15

15
15
15

D. L. MAHER CO.
Daily Time Report

Date: Jan 19-7-12
Owner: J. J. Riley Co
Job Site: Shop

Job No. PR1-5-71

Truck No.	Total Mileage	Starting Time	Arrival Time at Job Site	From Lunch	To	Departure Time From Job Site	Arrival Time at Shop	Driving Time From Job Site	Total Allowed Travel Time	Total Job Site Time	Total Daily Time	
		12:30	12:30			4:30				4 hrs	4 hrs	J. O'Donnel

Work Performed

Finished cleaning pump

Materials moved on or off job

D. L. MAHER CO.

Daily Time Report

Date: Jan 15-71

Owner: J. J. Riley

Job Site: Shop

Job No. PR1-5-71

Truck No.	Total Mileage	Starting Time	Arrival Time at Job Site	From Lunch	To	Departure Time From Job Site	Arrival Time at Shop	Driving Time From Job Site	Total Allowed Travel Time	Total Job Site Time	Total Daily Time
	7:00	7:00				11:00				4 hrs	4 hrs	J Downey

Work Performed

Cleaning pump.

Materials moved on or off job

D. L. MAHER CO.

Daily Time Report

Date: Jan. 14-71

Owner: J. Raley

Job Site: Shop

Job No. PR1-5-71

Truck No.	Total Mileage	Starting Time	Arrival Time at Job Site	From Lunch	To	Departure Time From Job Site	Arrival Time at Shop	Driving Time From Job Site	Total Allowed Travel Time	Total Job Site Time	Total Daily Time
	7:00	7:00				11:00				4 hrs	4 hrs	J. Donnelly

Work Performed

Taking pump apart

Materials moved on or off job

PR1-5-71

D. L. MAHER CO.

Daily Time Report

Date: 1-11-71

Owner:

Job Site: Religious Training

Job No. PR1-5-71

Truck No.	Total Mileage	Starting Time	Arrival Time at Job Site	From Lunch	To	Departure Time From Job Site	Arrival Time at Shop	Driving Time From Job Site	Total Allowed Travel Time	Total Job Site Time	Total Daily Time	
15	7-	8-	12	12:30		11:30	12:00	1/2	1 1/2	3 1/2	5	Paul Wilson
	7	8-	12	12:30		11:30	12:00	1/2	1 1/2	3 1/2	5	John Burn

Work Performed

finish running pipe, load pipe + return + return same to shop

Materials moved on or off job

5.5
4.5

D. L. MAHER CO.
Daily Time Report

Date: 1-9-71

Owner:

Job Site: Riley tanner

Job No. PR1-5-71

Truck No.	Total Mileage	Starting Time	Arrival Time at Job Site	From Lunch	To	Departure Time From Job Site	Arrival Time at Shop	Driving Time From Job Site	Total Allowed Travel Time	Total Job Site Time	Total Daily Time	
	6:30	7:30	12-	12:30		4:30	5:00	1/2	1 1/2	8 1/2	10	Paul Wilson
	6:30	7:00	12	12:30		4:30	5:00	1/2	1 1/2	8 1/2	10	John Moran

Work Performed

Pull sub-mersible pump - left pump setting on casing flange until repaired

Materials moved on or off job

D. L. MAHER CO.

Daily Time Report

Date: 1-29-70

Owner:

Job Site: Riley's Tunney

Job No. PR1-5-71

Truck No.	Total Mileage	Starting Time	Arrival Time at Job Site	From Lunch	To	Departure Time From Job Site	Arrival Time at Shop	Driving Time From Job Site	Total Allowed Travel Time	Total Job Site Time	Total Daily Time	
12	7	8	12	12 30		4 30	5 00	1/2	1 1/2	8	9 1/2	Paul Wilson
	7	8	12	12 30		4 30			1	8	9	Charlie Kelly

Work Performed

Pump out [illegible] pump

Materials moved on or off job

Kilby PR 1-7-14

D. L. MAHER CO.
Daily Time Report

Date: Jan. 25-74 Friday
Owner: J. J. Riley Co.
Job Site: Well #1
Job No. PR 1-7-74

Truck No.	Total Mileage	Starting Time	Arrival Time at Job Site	From Lunch	To	Departure Time From Job Site	Arrival Time at Shop	Driving Time From Job Site	Total Allowed Travel Time	Total Job Site Time	Total Daily Time	
P-1	15	2:30	2:45			4:15	4:30	1/4 hr.	1/2 hr.	1 1/2 hr.	2 hrs.	J. O'Donnell

Work Performed

Checking out pump. Pump is wobbling & they want it repaired.

Materials moved on or off job

INVOICE
5357

D. L. MAHER CO.

P. O. BOX 127 • NO. READING, MASS. 01864
933-3210

pg. 2 Pd 3-15-74

INVOICE DATE	February 28, 1974
OUR ORDER NO.	PR1-7-74
YOUR ORDER NO.	
TERMS	net 30 days
F.O.B.	
SALESMAN	
SHIPPED VIA	

J.J. Riley Company
228 Salem Street
Woburn, MA 01801

SHIPPED TO

PPD. OR COLL.

QUANTITY	DESCRIPTION	PRICE	AMOUNT
6 hrs.	service man, including travel	12.25	43.50
6 hrs.	helper, including travel	10.60	63.60
12 mi.	mileage	.20	2.40
1/2 day	hydraulic pump rig	120.00	60.00
	2/20/74 - Adjusted stuffing box bleed		
1/2 hrs.	service man, including travel	12.25	6.13
12 mi.	mileage	.20	2.40
	Shop Time		
12.5 hrs.	took pump apart, repaired and reassembled	12.25	153.13
			844.47
	Materials		
1	top case 8" G		140.30
1	1-3/16 top case bearing		45.08
1	1-3/16 bottom case bearing		26.00
1	6" column coupling		24.26
7	1-3/16 series case bearings	5.45	38.15
3	8" G series cases	109.25	327.75
1	1-3/16 line shaft coupling		7.82
1	1-3/16 line shaft (5'-0")		61.18
1	1-3/16 spider bearing		6.21
1	1-3/16 416ss x 67" pump shaft		147.20
1	1-3/16 x 62-1/2" 416ss head shaft		138.00
1	1-1/4" C.R. shaft 43" long 1-3/16 BJ x M thread		73.43
3	bundgs		3.00
1	1/4" IPS x 3/8 compt. adapter		.75
1	can of grease		1.00
5	rolls of tape		12.00
1	3-1/3" -0-160 pressure gauge		8.00
			1,060.13
	3% Mass. tax on materials		31.80
	TOTAL	$	1,936.40

A service charge of 1½% per month will be made on all balances exceeding 45 days.

FORM 1440, REGENT FORMS, PENNSAUKEN, N.J. 08109

INVOICE

5857

D. L. MAHER CO.

P. O. BOX 127 • NO. READING, MASS. 01864

933-9210

INVOICE DATE	February 28, 1974
OUR ORDER NO.	PR1-7-74
YOUR ORDER NO.	
TERMS	net 30 days
F.O.B.	
SALESMAN	
SHIPPED VIA	

J.J. Riley Company
228 Salem St.
Woburn, MA 01801

SHIPPED TO

PPD. OR COLL.

QUANTITY	DESCRIPTION	PRICE	AMOUNT
	1/25/74 - Checked out No.1 pump, has wobble		
2 hrs.	service man, including travel	12.25	24.50
15 mi.	mileage	.20	3.00
	2/1/74 - Pulled pump		
-1/2 hrs.	service man, including travel	12.25	55.13
-1/2 hrs.	driller, including travel	12.25	55.13
0 mi.	mileage	.20	4.00
1/2 day	hydraulic pump rig	120.00	60.00
	2/5/74 - Reset pump, changed gate valve, ran to waste and turned into system		
6 hrs.	service man, including travel	12.25	73.50
6 hrs.	driller, including travel	12.25	73.50
20 mi.	mileage	.20	4.00
1/2 day	hydraulic pump rig	120.00	60.00
	2/14/74 - Picked up motor at Riley's shop, pulled motor, clutch was missing on shop motor, brought everything to North Reading.		
3 hrs.	service man, including travel	12.25	36.75
3 hrs.	helper, including travel	10.60	31.80
10 mi.	mileage	.20	2.00
	2/19/74 - Picked up new motor shaft, installed motor adjusted packing, made new motor key, ran pump for 3/4HP, when first started grease ran from bottom bearing seal, cleaned out and put in new grease, amperage 46-42-38		

A service charge of 1½% per month will be made on all balances exceeding 45 days.

FORM 1440, REGENT FORMS, PENNSAUKEN, N.J. 08109

MAHER SUPPLY CORPORATION

P.O. BOX 127 • CONCORD ST.
NO. READING, MASS. 01864
(617) 935-6049

INVOICE

363

D.L. Maher Co.

INVOICE DATE	January 14, 1971
OUR ORDER NO.	J. J. Riley
YOUR ORDER NO.	
TERMS	F.O.B.
net 30 days	
SALESMAN	
SHIPPED TO	
SHIPPED VIA	PPD. OR COLL

QUANTITY	DESCRIPTION	PRICE	AMOUNT
	Repair of J.J. Riley's 8"C		
1	top case 8"C		122.00
1	1-3/16" top case bearing		38.20
1	1-3/16" bottom case bearing		22.60
1	6" column coupling		21.10
7	1-3/16" series case bearings	4.75	33.25
3	8"C- series cases	95.00	285.00
1	1-3/16" line shaft coup.		6.30
1	1-3/16" line shaft 5'-0"		53.20
1	1-3/16" spider bearing		5.40
1	1-3/16" 416ss x 67" pump shaft		120.00
1	1-3/16" x 62-1/2" 416ss head shaft		120.00
	TOTAL		$ 936.55

J. J. Riley
PR 1-7-74
job file copy

FORM 1440, REGENT FORMS, PENNSAUKEN, N.J. 08109

NORTH WOBURN MACHINE COMPANY, INC.

10 NICHOLS STREET
WOBURN, MASSACHUSETTS 01801
GENERAL MACHINISTS - WELDERS

933-1163

DATE March 1, 1974 197

RECEIVED

D. L. Maher Co.

Feb	18	Order #465 3628			
		Make 1 1 1/4"D. C R Steel X 43 1/4" pump shaft with 1 3/16" Thr. one end and 1 1/2"nut thr. other end, our material			
		C R Steel	8	80	
		Labor	54	00	
			62	80	
		Sales tax	1	06	
			63	86	

O.K.
9.9. Riley's
FRI-9-74
file copy

5853 3/2 9 Sun

D. L. MAHER CO.
Daily Time Report

Date: 2-20-74 Wednesday
Owner: Riley's
Job Site: Woburn
Job No. PRI-7-74

Truck No.	Total Mileage	Starting Time	Arrival Time at Job Site	From Lunch	To	Departure Time From Job Site	Arrival Time at Shop	Driving Time From Job Site	Total Allowed Travel Time	Total Job Site Time	Total Daily Time	
12	9					9:30					1/2	Tom McNeil

Work Performed

Closed blind off on pumps & little because not flooded the floor

Materials moved on or off job

D. L. MAHER CO.
Daily Time Report

Date: 2-19-74
Owner: Rileys
Job Site: Woburn

Tuesday

Job No. PR1-7-74

Truck No.	Total Mileage	Starting Time	Arrival Time at Job Site	From Lunch	To	Departure Time From Job Site	Arrival Time at Shop	Driving Time From Job Site	Total Allowed Travel Time	Total Job Site Time	Total Daily Time	
1-3												
2	7	8			1			1	5	6		Tom McNeil
	7	8			1			1	5	6		Louie Capone

Work Performed

stopped by North Woburn Machine for motor shaft
installed motor - adjusted packing - made up new
motor key - Ran pump for 3/4 hour - ~~was~~ when first
started bottom motor seal leaked grease - which thinned
out like an oil - got out as much grease as I could and put
in new stuff amperage on motor #1 - 42-38

Materials moved on or off job

D. L. MAHER CO.

Daily Time Report

Date: 2-14-74

Owner: Rileys

Job Site: Rileys Woburn

Thursday

Job No. PR1-7-74

Truck No.	Total Mileage	Starting Time	Arrival Time at Job Site	From Lunch	To	Departure Time From Job Site	Arrival Time at Shop	Driving Time From Job Site	Total Allowed Travel Time	Total Job Site Time	Total Daily Time	
71-3	10	2				5					3	Tom McNeil
		2				5					3	Louie Capone

Work Performed

picked up motor at warehouse - pulled old motor clutch was missing from new motor - looked for clutch and couldn't find it - brought motor to shop

Materials moved on or off job

D. L. MAHER CO.

Daily Time Report

Date: 2-5-74 Tuesday

Owner: Rileys

Job Site: Shop and Woburn Job No. PR1-7-74

Truck No.	Total Mileage	Starting Time	Arrival Time at Job Site	From Lunch	To	Departure Time From Job Site	Arrival Time at Shop	Driving Time From Job Site	Total Allowed Travel Time	Total Job Site Time	Total Daily Time	
1-3												
2	7					10 30					3 1/2	Tom McNeil
shop	7					10 30					3 1/2	Art Proctor
6	10 30	11	12	12 30		5			1/2	5 1/2	6	Tom McNeil
TE	10 30	11	12	12 30		5			1/2	5 1/2	6	Art Proctor

Work Performed

7-10 30 PUTTING TOGETHER pump - LOADING TRUCK

10 30-5 STOPPED AT No. Wob. MACHINE FOR head shaft

SET 30' column - pump - 31' airline - wired motor - changed

GATE valve in Discharge line - STARTED and blew

Materials moved on or off job

of pump TURNED INTO SYSTEM

D. L. MAHER CO.
Daily Time Report

Date: 2-4-74
Owner: Rileys
Job Site: shop

Monday

Job No. PR1-7-74

Truck No.	Total Mileage	Starting Time	Arrival Time at Job Site	From Lunch	To	Departure Time From Job Site	Arrival Time at Shop	Driving Time From Job Site	Total Allowed Travel Time	Total Job Site Time	Total Daily Time	
		7				8					1	Tom McNeil
		7				9					2	Art Proctor

Work Performed

DRESSING OUT old CASE BEARINGS AND PRESSING IN NEW ONES

Materials moved on or off job

D. L. MAHER CO.
Daily Time Report

Date: 2-1-74

Owner: RILEYS LEATHER

Job Site: WOBURN

Friday

Job No. PRI-7-74

Truck No.	Total Mileage	Starting Time	Arrival Time at Job Site	From Lunch	To	Departure Time From Job Site	Arrival Time at Shop	Driving Time From Job Site	Total Allowed Travel Time	Total Job Site Time	Total Daily Time	
71-3		7	7:30			11:30			1/2	4	4 1/2	Tom McNeil
		7	7:30			11:30			1/2	4	4 1/2	Art Proctor
Shop		11:30				12				1/2	1/2	Art Proctor
		11:30		12	12:30	2				2	2	Tom McNeil

Work Performed

pulled motor 30' column and pump - job-site
shop - unloading truck and taking apart pump - two
pump cases came apart

Materials moved on or off job

D. L. MAHER CO.
Daily Time Report

Date: Jan. 25-74 Friday
Owner: J. J. Riley Co.
Job Site: Well #1
Job No. PR 1-7-74

Truck No.	Total Mileage	Starting Time	Arrival Time at Job Site	From Lunch	To	Departure Time From Job Site	Arrival Time at Shop	Driving Time From Job Site	Total Allowed Travel Time	Total Job Site Time	Total Daily Time	
P-1	15	2:30	2:45			4:15	4:30	1/4 hr.	1/2 hr.	1 1/2 hr.	2 hrs.	J. O'Donnell

Work Performed

Checking out pump. Pump is wobbling & they want it repaired.

Materials moved on or off job

Kelly 1959

✓

John J. Riley Co.
228 Salem St
Woburn

Invoiced
12/10/59

Sept 2, 1959 - Set up Boom and
Pulled out Submersible
Pump - 2 men
18 hours 87.12
Boom Truck & Equip 40.00

Sept. 3, 1959 - Set Submersible Pump
back in Well - 2 men
20 1/2 hours - 99.22
Boom Truck & Equip 40.00

Mr. Maher dept. 3 - 8 hr. @
5.00 per hr = 40.00

Working on Stainless Steel Plate & Welding 9.00
$315.34

Labor

Pikey

2.42
2.42
484

Sept. 2. 1959 — 2 men - (18 hours) = 18 X 2.42 = 43.56 = 87.12

Foley
Murphy } 18 Hours — Set up Boom + pulled out Submersible Pump

Boom Truck + Equipment — 40.00

Sept 3 1959

Foley — 11½
Murphy — 9 } 20½ Hours = 49.61 (100) — 99.22

Boom Truck + Equip. — 40.00

Set Submersible pump back in Well

Mr. D. A. Walker Sep 3, 1959 8 Hrs @ 5.00 — 40.00

TOTAL Labor + Truck 306.34

Welding — $5.00

~~Stainless Steel Plate~~

Work on Stainless Steel Plate — 3.00
8.00
20% — 100
9.00

9.00

$ 315.34

D. L. MAHER CO.

DAILY TIME REPORT

Pilley Leather

Wednesday Sept 2, 1959

Rate	Name	Hours	
		1	
	Jr. Foley	9½	Left yard, barn & fuller
	W. Smedjoby	2½	Part of subcontrable journ.
		13	
	~~Mr. Ayers~~		
	Room truck days		

Comments

Equipment and material moved on or off job

Equipment and material needed

D. L. MAHER CO.

DAILY TIME REPORT

Riley Leather, Shop — Thursday Sept 3, 1959

Rate	Name	Hours	
	J. Foley	11½	✓ Set submersible pump
	K. Murphy	9	✓ in well
	K. Murphy	1½	✓ Shop — pulled to shop
			Boom Truck
	Mr. Mahar all day Sept 3		

Comments

Equipment and material moved on or off job

Equipment and material needed

Kelly - YM ~~10-30-87~~
1982
1983

INVOICE

D. L. MAHER COMPANY
P. O. BOX 127 • CONCORD STREET
NORTH READING, MA 01864
(617) 933-3210

#9223
pd 10/13

INVOICE DATE	September 13, 1983
OUR ORDER NO	PM 8-187-83
YOUR ORDER NO.	Well #2
TERMS	Net 15 days
F.O.B.	
SALESMAN	
SHIPPED VIA	

J.J. Riley Co.
Salem Street
Woburn, MA 01801

SHIPPED TO

PPD. OR COLL.

QUANTITY	DESCRIPTION	PRICE	AMOUNT
	August 8, 1983		
	0800 to 1300 - Set up for test, take static water levels and started test.		
5 hrs.	Serviceman @	29.00/hr.	$145.0

SERVICE CHARGE OF 1½%
PER MONTH WILL BE
MADE ON ALL BALANCES
EXCEEDING 45 DAYS.

FORM 14405 RAPIDFORMS, INC., BELLMAWR, N.J. 08031

Well No. _____

Location Riley's Pit 11-5-187-83

D. L. MAHER CO.

RECORD OF TEST

Contract _____

Orifice _____

								2½ pipe 12" Above Ground				2½ Pipe 1¾ Above Ground							
Time	well	#2		well	#1			obs	#1			obs	#2						
859								2-4½	Top of Pipe										
900								~~2-5½~~				2'-7	Top of Pipe			STATICS			
906	7-2½	From Top of Vault																	
90																			
Pumping	531 GPM																		
	P.L.																		
1101	14-11																		
1101.5	15-5½																		
1102	15-9½																		
1102.5	16-0½																		
1103	16-3½																		
1104	16-4¾																		
1105	16-6¼																		
1106.5	16-7"																		
1108	16-8"																		
1110	16-8½																		
1115	16-9¼																		
1120	16-9⅞																		
1125	16-10																		
1129	16-10¼																		
1130	~~[illegible]~~																		
1140	16-11																		
1150	16-11																		
1205	16-11½																		

D. L. MAHER CO.

RECORD OF TEST

Well No. _____

Location Riley's page #2 PM-8-187-83

Orifice _____

STATIC	7-2½			6-8½			2-4½ T.O.P.			2'-7 Top of Pipe	
Time	well	#2		well	#1		obs	#1		obs	#2
1220	16-11¾										
1240	16-11¾										

Riley PA 8. 187.13

8/9 4.5 gals gas a. 1192 - 5.32

D.L. MAHER CO. DAILY TIME REPORT Monday Date: 8 AUG 83

Owner J.J Rivers Location _____ Job. No PM8-187-83

Foreman (1) Tom McNeil Helper (2) _____ (3) _____ (4) _____

Truck No. 81-1 MI.

From	To	1	2	3	4	DETAILED REPORT
0800	1300	5				SET up hose + Pitot - Took statics and started Pumping TEST for them -

Materials used or moved on or off job:

Shop time	
Travel time	
Site time	5
Total time	5

INVOICE

D. L. MAHER CO.
P. O. BOX 127 • CONCORD ST.
NO. READING, MA 01864
(617) 933-3210

9425

PD 2/17/

INVOICE DATE: January 28, 1982
OUR ORDER NO.:
YOUR ORDER NO.:
TERMS: Net 15 days
F.O.B.:
SALESMAN:
SHIPPED VIA:

J.J. Riley Company
Salem Street
Woburn, MA 01801

SHIPPED TO:
PPD. OR COLL.:

QUANTITY	DESCRIPTION	PRICE	AMOUNT
	Annual Preventive Tests		
	Well #1		190.00
	Well #2		180.00
	¼" Brass gas cock		4.35
			$374.35

SERVICE CHARGE OF 1½% PER MONTH WILL BE MADE ON ALL BALANCES EXCEEDING 45 DAYS.

FORM 14406. REGENT STANDARD FORMS, INC., BELLMAWR, N.J. 08031

March 4, 1982

J.J. Riley
Salem Street
Woburn, MA 01801

Attn: Mr. John Riley
Re: Preventive Maintenance
Inspection, January 1982

Gentlemen:

On January 12, 1982, Tom McNeil conducted tests on Wells 1 & 2 to determine present yield, as well as equipment performance.

WELL #1:

A. Static water level is 3'2" below floor.

B. The test on the pump was run at shut off head (0gpm), 155, 215 and 298 gpm. At shut off head, the present performance head is down 10'. As you progress along the curve, it significantly departs at 300 gpm, where it is 30' below original design. This is evident of some plugging.

C. The test on the well was performed at 298 gpm as measured with our pilot tube. The actual drawdown was 17'9", which computes to 16.79 gallons/minute per foot of drawdown.

	1982	- 16± GPF 1/12/82
	1968	- 22± " 8/16/68
Original	1945	- after 48 hours: 27.33 GPF

D. The impellers when set, don't drag as they are supposed to. This is not a problem unless it effects delivery, which it does not.

E. There is a minor voltage drop during operation, from 240 volts to 235 volts.

WELL #2:

A. Static water level is 5'1½" from vault hatch.

B. The test on the equipment was run at shut off head (0gpm), 350, 508 and 662 gpm. At shut off head, the pump is 15' below the curve and at design, is approximately 25' off the curve. Some minor wear and plugging has occurred in the bowl assembly.

C. The test on the well was performed at 662 gpm, as measured with the pilot tube. The actual drawdown was 10'5", which computes to 63+ gallons/minute/foot of drawdown.

	1982 -	63	GPF	1/12/82
	1981 - after cleaning	66	"	3/20/81
	1981 -	26	"	2/18/81
	1977 - after cleaning	66	"	9/28/77
	1977 -	20	"	9/22/77
Original	1953 - after 48 hrs.	51	"	

D. Megger reading from pump house #1 was 2 to 3 megolms.

RECOMMENDATIONS:

Test again in January, 1983.

Should you need any additional information, please do not hesitate to call.

Very truly yours,

D.L. MAHER CO.

Denis L. Maher, Jr.

Encl.

D. L. MAHER CO.

PREVENTIVE MAINTENANCE INSPECTION PROGRAM FOR WATER WELLS & PUMPING EQUIPMENT

Owner Riggs Location & Unit No. Well #2

Date of inspection 12 JAN 82

PUMPING UNIT NOT RUNNING

1. Motor:

Name plate data:

Make BJ Sub Serial No. Horsepower

Speed Type Frame No.

Phase Cycle Volt

Full Load Amps

A: Change oil (grease) in upper and lower bearing reservoirs Yes No ✓

Note: Once yearly or 2000 hrs., whichever occurs first.

B: Checked Non Reverse ratchet Yes No ✓

C: Meggar Readings:

Ground to Leg — FROM STATION #1

Leg 1 2 MEGOHMS

Leg 2 3 MEGOHMS

Leg 3 3 MEGOHMS

Leg to Leg

Leg 1 to 2 GR

Leg 1 to 3 "

D: Remarks

2. Right Angle Gear Drive

Name Plate Data:

Make None Serial No.

Model Ratio

Brake Horsepower Rpm

A: Change oil in reservoir Yes No

Note: Once yearly or 2000 hrs., whichever occurs first.

B: Greased fitting on flexible shaft Yes No

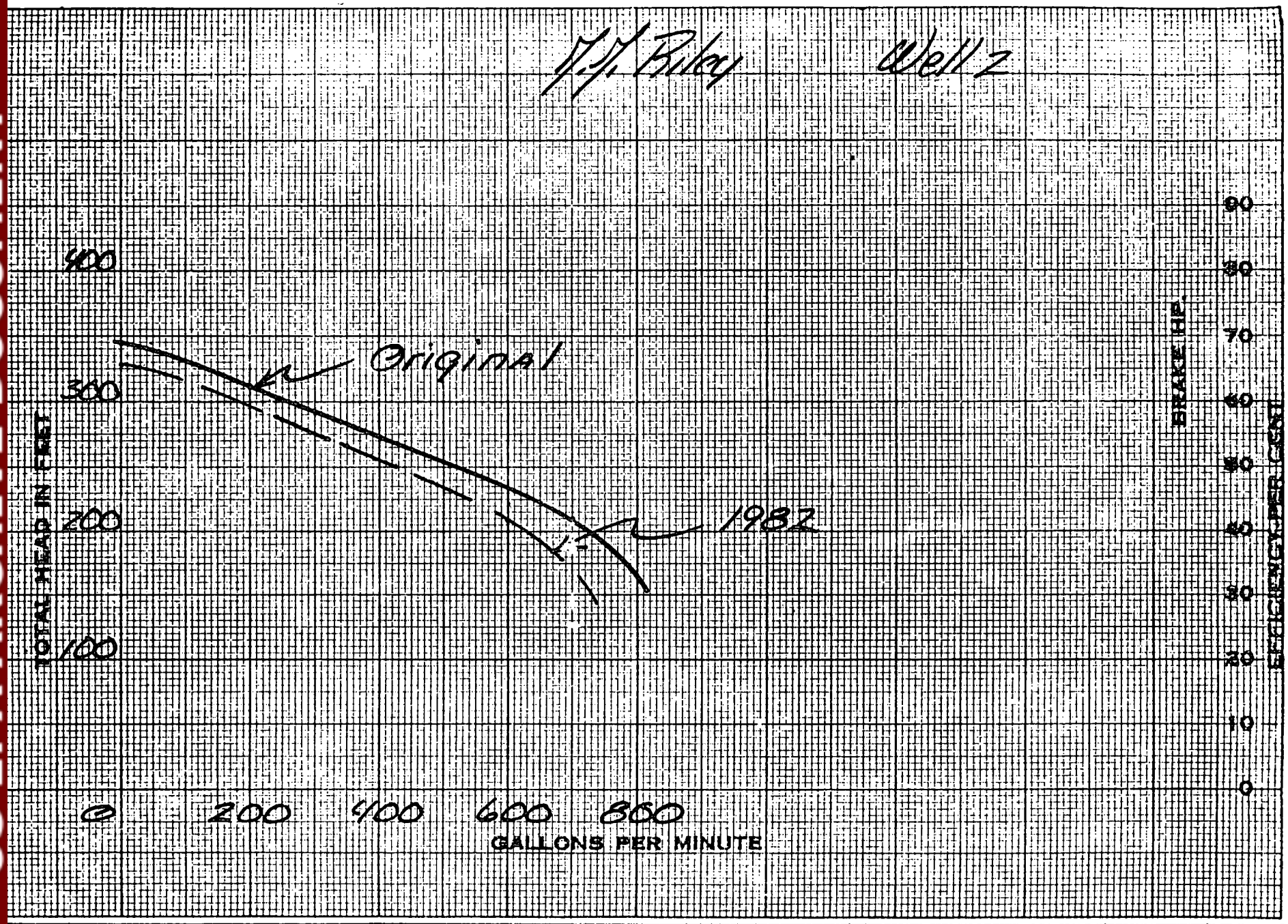
C: Remarks:

US EPA ARCHIVE DOCUMENT

P200H 10M 10-61

BYRON JACKSON CO.

New England Dealer - D. L. MAHER CO. - Water Supply Contractors - Woburn. Mass.



PUMP SIZE AND TYPE	RPM	CUSTOMER NO.	IMPELLER NO.	BASED ON	DATE	BYRON JACKSON NUMBER
10" MQH 5STG	1770	G. S.	BRANCH NO.	DATA BY	DRAWN BY	PC

D. L. MAHER CO.

PREVENTIVE MAINTENANCE INSPECTION PROGRAM FOR WATER WELLS & PUMPING EQUIPMENT

Owner Rileys Location & Unit No. well #1

Date of inspection 12 JAN 82

PUMPING UNIT NOT RUNNING

1. Motor:

Name plate data:

Make US Serial No. 1012636 Horsepower 40

Speed 1800 Type SDU Frame No. 405 P

Phase 3 Cycle 60 Volt 220-440

Full Load Amps 49-98

A: Change oil (grease) in upper and lower bearing reservoirs — Yes ✓ No

Note: Once yearly or 2000 hrs., whichever occurs first.

B: Checked Non Reverse ratchet — Yes None No

C: Meggar Readings:

Ground to Leg

Leg 1 20 meg ohms

Leg 2 "

Leg 3 "

Leg to Leg

Leg 1 to 2 60

Leg 1 to 3 "

D: Remarks Must have a Nest Built in motor

Motor Sounds Noisy

2. Right Angle Gear Drive

Name Plate Data:

Make None Serial No.

Model Ratio

Brake Horsepower Rpm

A: Change oil in reservoir Yes No

Note: Once yearly or 2000 hrs., whichever occurs first.

B: Greased fitting on flexible shaft Yes No

C: Remarks:

COPY

D. L. MAHER CO.

PREVENTIVE MAINTENANCE INSPECTION PROGRAM

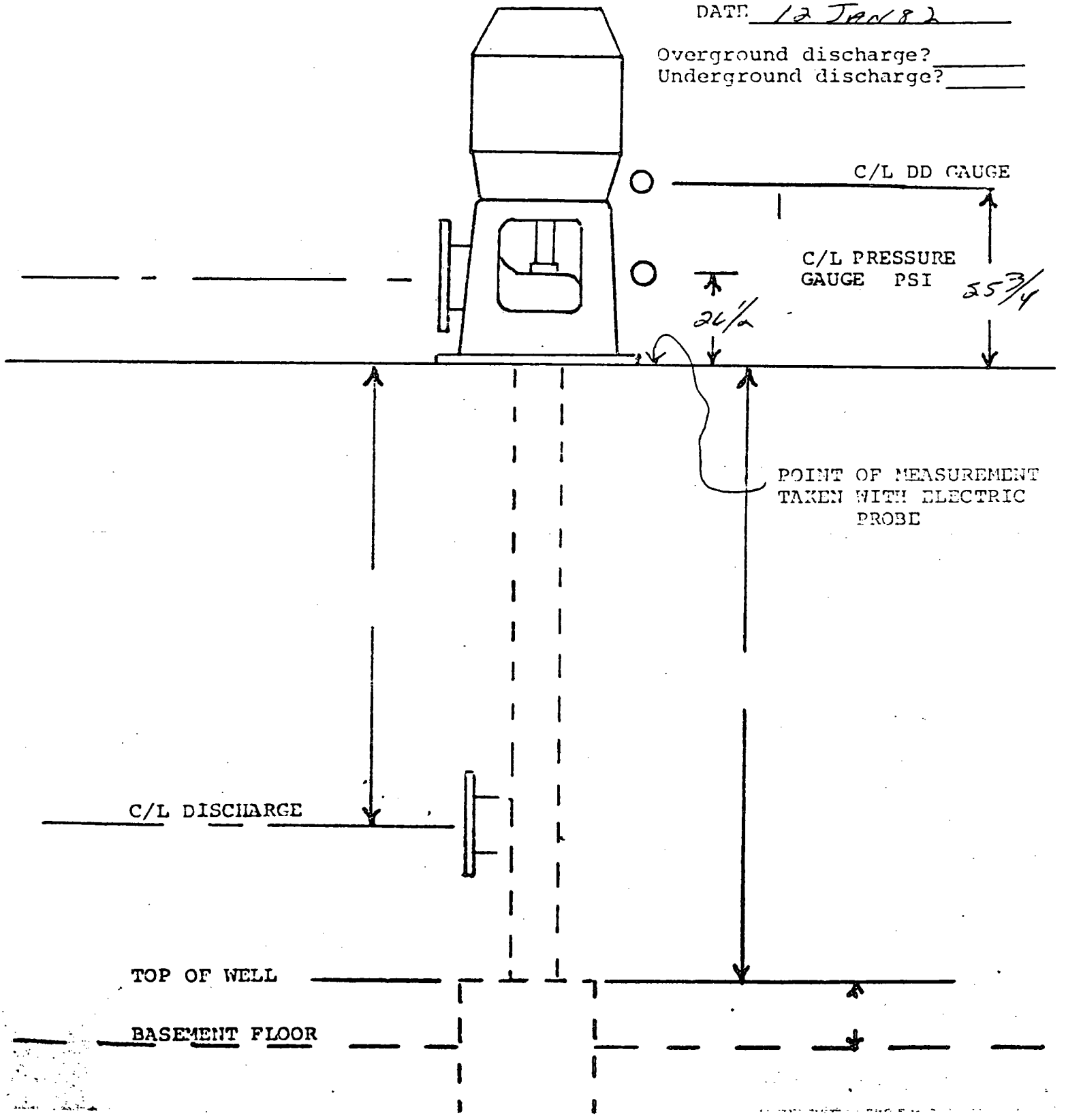
OWNER Riley's

LOCATION Well #1

DATE 12 Jan 82

Overground discharge? _____

Underground discharge? _____

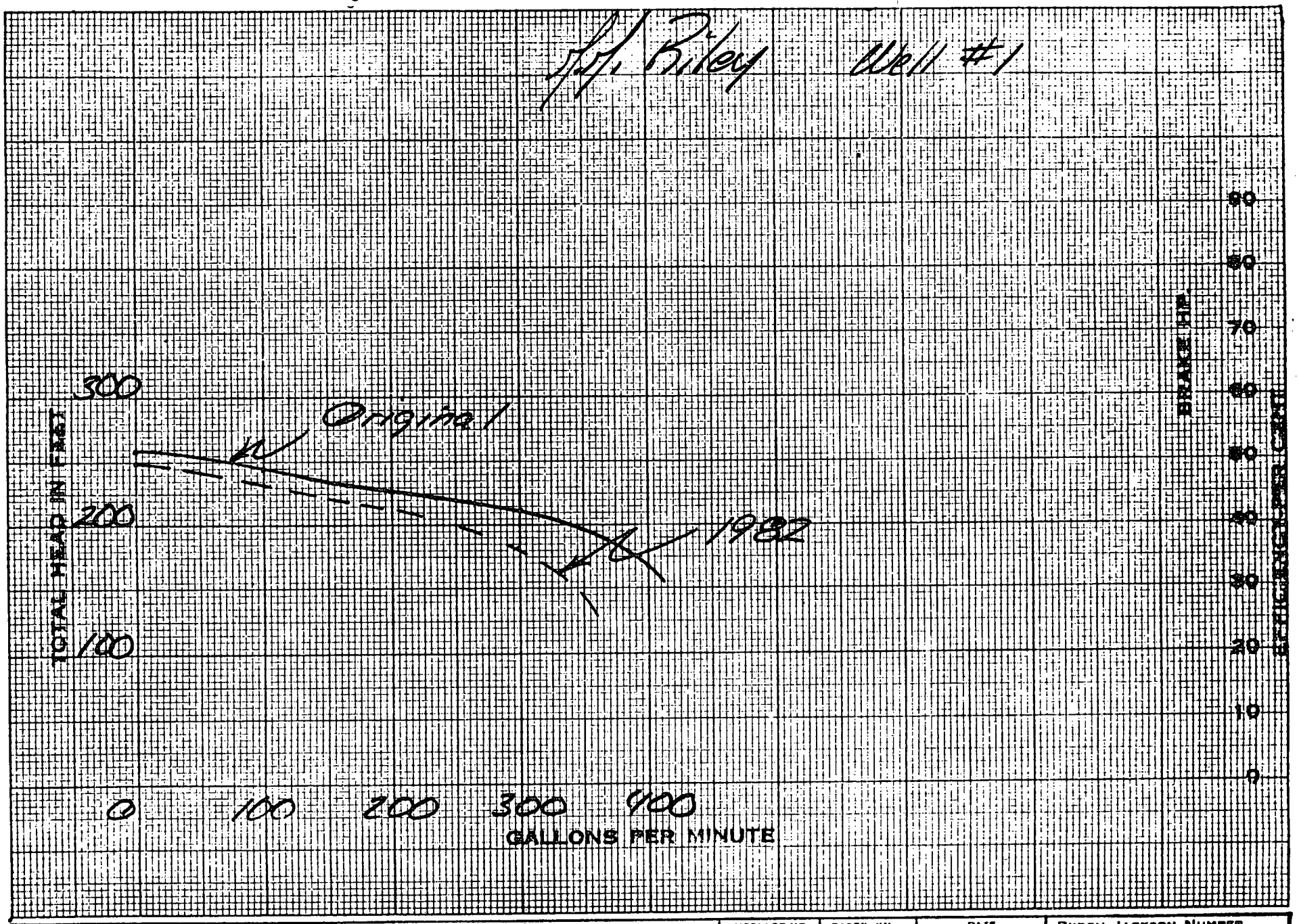


US EPA ARCHIVE DOCUMENT

P200R 10M 10-81

BYRON JACKSON CO.

New England Dealer - D. L. MAHER CO. - Water Supply Contractors - Woburn. Mass.



PUMP SIZE AND TYPE	RPM	CUSTOMER NO.	IMPELLER NO.	BASED ON	DATE	BYRON JACKSON NUMBER
8"gh 7Stage	1770	G. S.	BRANCH NO.	DATA BY	DRAWN BY	PC

D.L. MAHER CO. M.J. Riley (8 — DAILY TIME REPORT — Recovery Maintenance

Date: 1/12/82

Owner Riley's Location _____ Job No. Service

Foreman (1) Tom McNeil Helper (2) _____ (3) _____ (4) _____

Truck No. 81-1 MI. 28

From	To	1	2	3	4	DETAILED REPORT
0900	0915	1/4				TRAVEL
0915	1545	6 1/2				RAN PM TESTS ON WELLS 1 & 2 — had to
						GO BACK TO THE SHOP TO GET FITTING TO RUN
						TEST ON WELL #1
1545	1600	1/4				TRAVEL
						J.T.M.

Materials used or moved on or off job:

1 - Brass Gas Cock 1/4" 6.00

Shop time	
Travel time	1/2
Site time	6 1/2
Total time	7

September 13, 1977

John J. Riley Co.
Salem Street
Woburn, MA 01801

Att: Mr. Jack Riley

Gentlemen:

On Friday, September 9, 1977, we ran a performance test on Well No.2 to determine the present yield. We suspected the well was plugged and that the pumping level had dropped to the point where the pump was delivering both water and some air. This vortexing caused severe vibration of the pump resulting in the failure.

The present static water level is 2'-10" from the riser on the surface plate.

In 1958 the well produced 700 GPM with 13'-8" drawdown or 51 gallons per minute per foot of drawdown. On Friday we tested at 550 GPM with 27'-2" drawdown or 20 gallons per minute per foot of drawdown. We restricted the flow so the pumping level would be maintained at 27-28', yielding 450-500 GPM maximum.

The yield of the well has dropped off 58%. We recommend that the well be cleaned and redeveloped. It has never been redeveloped even though most wells need cleaning every 5-10 years and some every other year.

We proposed to furnish all labor and equipment to remove the pump, chemically treat and redevelop the well to its maximum yield or a yield determined by redeveloping.

Machine time and portal to portal Estimated 70 hours @ $70.00/hour	$ 4,900.00
Materials	$ 800.00
5% Tax	40.00

The machine time is an estimated figure, it could be less or more depending on the nature of the plugging. You will be invoiced for actual machine time on the job.

The pump we removed separated at the top case. Replacement parts are obsolete although Byron Jackson will reproduce the parts at a premium.

The cost of a new pump identical to the one presently in use is:

	$ 2,865.00
Freight estimated	$ 150.00
5% MA Tax	$ 143.25
	$ 3,158.25

The motor has a broken oil tube that we will repair. We will clean and inspect the motor, if any damage is found you will be notified. Otherwise we will repair the oil leak, refill the motor, clean, paint, and return to you for restocking.

A performance test should be run on the wells and pumps every year so that possibly an emergency such as this is prevented.

Cost of tests for annual inspection and report.

Initial Installation . . .	$ 190.00
Additional " . .	$ 120.00

Materials (oil, grease, packing, gauges, etc.) Cost + 15%

As a result of the inspection, you will receive a report showing past and present conditions. This will enable you to schedule a maintenance program during vacation periods.

Should you have any questions, please do not hesitate to contact our office.

Sincerely,

D.L. MAHER CO.

Denis L. Maher Jr.

pag

Kelly PK 1-10-01

INVOICE ✓

#8030

D. L. MAHER CO.
P. O. BOX 127 • CONCORD ST.
NO. READING, MA 01864
(617) 933-3210

Pd 5/13/81

INVOICE DATE	April 29, 1981.
OUR ORDER NO.	P.R.
YOUR ORDER NO.	
TERMS	Net 15 days
F.O.B.	
SALESMAN	
SHIPPED VIA	

M. M. Riley,
Salem Street,
Woburn, Ma.
01801.

SHIPPED TO

PPD. OR COLL.

QUANTITY	DESCRIPTION	PRICE	AMOUNT
	Inspection of 2nd Submersible Motor		
	Expense		$ 100.00
	Shop labor to disassemble, clean and re-assemble, paint bowl assembly		
	7½ hours @ $24.50 per hour		183.75
			$ 283.75

SERVICE CHARGE OF 1½% PER MONTH WILL BE MADE ON ALL BALANCES EXCEEDING 45 DAYS.

FORM 14406. REGENT STANDARD FORMS, INC., BELLMAWR, N.J. 08031

INVOICE ✓
7930

D. L. MAHER CO.
P. O. BOX 127 • CONCORD ST.
NO. READING, MA 01864
(617) 933-3210

OK 2/12/81

INVOICE DATE	January 29, 1981
OUR ORDER NO.	PR 1-6-81
YOUR ORDER NO.	
TERMS	Net 15 days
F.O.B.	
SALESMAN	
SHIPPED VIA	

J.J. RILEY'S
Salem Street
Woburn, MA

SHIPPED TO

PPD. OR COLL.

QUANTITY	DESCRIPTION	PRICE	AMOUNT
	MATERIALS		
	2½" Fire hose fittings		50.40
16	3/4 x 3 Nuts bolts and locks	1.40	22.40
1	2" Nipple		2.40
1	2" Blk. bushing		4.15
1	2½" Coupling		8.16
	5% mass tax		4.38
	Total		$2,543.79

SERVICE CHARGE OF 1½%
PER MONTH WILL BE
MADE ON ALL BALANCES
EXCEEDING 45 DAYS.

INVOICE
7930

D. L. MAHER CO.

P. O. BOX 127 • CONCORD ST.
NO. READING, MA 01864
(617) 853-3210

INVOICE DATE	January 29, 1981
OUR ORDER NO.	PR 1-6-81
YOUR ORDER NO.	
TERMS	Net 15 days
F.O.B.	
SALESMAN	
SHIPPED VIA	

J.J. RILEY'S
Salem Street
Woburn, MA

SHIPPED TO

PPD. OR COLL.

QUANTITY	DESCRIPTION	PRICE	AMOUNT
	to shop.		
	Service man		
8 hr.	including travel time	24.50	196.00
½ hr.	overtime	28.50	14.25
	Helper		
3½ hrs.	including travel time	22.00	77.00
	Hydraulic rig		90.00
	Mileage		
16 mi.		.70	11.20
	January 23, 1981		
	Assembled pump at the shop - Set pump and motor and column and ran test on the well.		
	Service man		
8 hr.	including travel time	24.50	196.00
1½ hr.	overtime	28.50	42.75
	Helper		
8 hr.	including travel time	22.00	176.00
	Hydraulic rig		180.00
	Mileage		
16 mi.		.70	11.20
	Shop labor		
	To the airport to pick-up motor - removed top and bottom bowls for inspection		
5½ hrs.		24.50	134.75
	Drill and tap chack valve cap		57.60
	Rebore coupling		40.00

FORM 14405. REGENT FORMS, BELLMAWR, N.J. 08031

INVOICE
7930

D. L. MAHER CO.
P. O. BOX 127 • CONCORD ST.
NO. READING, MA 01864
(617) 933-3210

INVOICE DATE	January 29, 1981
OUR ORDER NO.	PR 1-6-81
YOUR ORDER NO.	
TERMS	Net 15 days
F.O.B.	
SALESMAN	
SHIPPED VIA	

J.J. RILEY'S
Salem Street
Woburn, MA

SHIPPED TO

PPD. OR COLL.

QUANTITY	DESCRIPTION	PRICE	AMOUNT
	January 7, 1981		
	Pulled the submersible pump - motor was blown and shorted - tried to install a new motor but hub was too tight. Brought motor to machine shop.		
7½ hr.	Service man including travel time	24.50	183.75
7½ hr.	Helper including travel time	22.00	165.00
	Hydraulic rig		180.00
16 mi.	Mileage	.70	11.20
	January 8, 1981		
	Installed pump and motor - megged infinity to motor cable - Pumped into system drawing 61 amps		
8 hr.	Service man including travel time	24.50	196.00
2 hr.	overtime	28.50	57.00
8 hr.	Helper including travel time	22.00	176.00
2 hr.	overtime	25.50	51.00
	Hydraulic rig		180.00
16 mi.	Mileage	.70	11.20
	January 20, 1981		
	Went to inspect and test assembly - motor megged a short - Pulled pump and motor and removed both		

FORM 14405. REGENT FORMS. BELLMAWR, N.J. 08031

US EPA ARCHIVE DOCUMENT

MEC

MOTORS, ELECTRONICS & CONTROLS CORP.

73 OLYMPIA AVENUE, WOBURN, MASS. 01801 617/935-7945
TELEX 949304

INVOICE NO.
N-558-R
INVOICE DATE
3/18/81

SOLD TO
D. L. Maher Co.
Po Box 127
No. Reading, MA 01864

SHIP TO

ORDER NO.	ORDER DATE	CUSTOMER NO.	SLS MAN	PURCHASE ORDER NO.	SHIP VIA	COLL	PPD	TERMS:
	2/24/81	54200			t/m			net 30 days

Repairs to a Byron Jackson vertical motor, 50 HP, 220 Volts, 3 phase, 60 hertz.

Test

Total $100.00

file copy.
J. J. Riley

THIS IS TO CERTIFY THAT THE MERCHANDISE LISTED ON THIS INVOICE HAS BEEN PRODUCED IN ACCORDANCE WITH THE FAIR LABOR STANDARDS ACT OF 1938 AS AMENDED TO DATE

COMMENTS:

1½% PER MONTH - 18% PER ANNUM SERVICE CHARGE ON ALL PAST DUE ACCOUNTS.

TRIPLICATE INVOICE

SALES AMOUNT	
MISC. CHARGES	
SALES TAX	
FREIGHT	
TOTAL	

MOTORS, ELECTRONICS & CONTROLS CORP.

JOB NO. N-558-R

Customer D.L. MAHER (JJ Riley)

Date Rec'd 2-24-81

Street

P.O. No.

City | State | Zip

Via (in) 1/M1 Ppd-Col

Bill To

(out) Ppd-Col

Ship To

Make BYRON JACKSON

Apparatus VERTICAL MOTOR

HP-KW 50 RPM Volts 220 Amps F.L. Amp. 130 Ph 3 Cy 60

Frame Serial Model

Type Code Tole: 4 Duty ~~Frequency~~ D.P. TEFC TENV Exp. Prf. P.V.

CLUTCH DATA Torque Model METER # 10-970-4-1RB Serial

Frame RPM Volts Amps

Pro. Ser. Base-Rails Coupling-Gear-Sheave

Notify: Uncrated-Crated-Skidded

Phone:

Tom McNeal

Riley - Submirsible

PURCHASE ORDER

D. L. MAHER CO.

P. O. BOX 127 • NORTH READING, MA 01864

933-3210

NO 2118

THIS NUMBER MUST APPEAR ON INVOICES, B/L, BUNDLES, CASES PACKING LISTS AND CORRESPONDENCE.

Rilay's PR1-6-91

DATE	1/26/91
DATE WANTED	
TERMS	
F.O.B.	
SHIP VIA	

No Woburn Machine

confirming

SHIP TO

Pickup

QUANTITY	DESCRIPTION	PRICE	AMOUNT
	Drill & Tap Two Holes in Customers Check Valve Cover		
1	2 1/2"		
1	1/4"		

~~Acknowledgment~~ Payable

PLEASE SIGN AND RETURN IMMEDIATELY

ACCEPTED BY (SIGNATURE)

BY Don Murphy

AUTHORIZED SIGNATURE

SHIPPING DATE PROMISED

FORM 15504 REGENT FORMS, BELLMAWR, N.J. 08031

PURCHASE ORDER

D. L. MAHER CO.

P. O. BOX 127 • NORTH READING, MA 01864

933-3210

№ 2092

THIS NUMBER MUST APPEAR ON INVOICES, B/L, BUNDLES, CASES PACKING LISTS AND CORRESPONDENCE.

J. J. Riley PR 1-6-81

DATE: 11/8/81

DATE WANTED:

TERMS: Invoice No. 7351

F.O.B.:

SHIP VIA:

SHIP TO:
Ne Wakuvu Machine Co.
10 Nichols St.
Wakuvu, MA. 01501

Confirming
Pickup

QUANTITY	DESCRIPTION	PRICE	AMOUNT
	Fit Coupling to shaft as directed		

ACKNOWLEDGMENT

PLEASE SIGN AND RETURN IMMEDIATELY

ACCEPTED BY (SIGNATURE) _____ BY Don Murphy
AUTHORIZED SIGNATURE

SHIPPING DATE PROMISED

FORM 15504. REGENT FORMS, BELLMAWR, N.J. 08031

US EPA ARCHIVE DOCUMENT

NORTH WOBURN MACHINE COMPANY, INC.

10 NICHOLS STREET
WOBURN, MASSACHUSETTS 01801
GENERAL MACHINISTS - WELDERS

933-8646

Date Feb. 9, 1981 197

J. L. Maher Co.

Jan	8	Order #2092 15107			
		Fit coupling to shaft as directed	24	00	

OK
Don
Riley's PR 1-6-81

file copy

US EPA ARCHIVE DOCUMENT

NORTH WOBURN MACHINE COMPANY, INC.

10 NICHOLS STREET
WOBURN, MASSACHUSETTS 01801
GENERAL MACHINISTS - WELDERS

933-8646

Date Feb. 9, 1 981 197

D. L. Maher Co.

Jan	31	Order #2118 15184 Drilland tap 2 holes in your check valve cover 1 2 1/2" IPS Tapped hole 1 1/4" " Labor Sales tax file copy.	48	00
			2	40
			50	40

MOTORS, ELECTRONICS & CONTROLS CORP.

73 OLYMPIA AVENUE, WOBURN, MASS. 01801 617/935-7945
TELEX 949304

INVOICE NO.
N-492-R
INVOICE DATE
2/18/81

SOLD TO
D L Maher
PO Box 127
No. Reading MA 01864

SHIP TO

C.	ORDER DATE	CUSTOMER NO.	SLS MAN	PURCHASE ORDER NO.	SHIP VIA	COLL	PPD	TERMS:
	2/10/81	54200		Dennis	t/m			~~net 30 days~~

Repairs to a Byron Jackson pump, 50 HP, 4 pole, 220 volts, Model 10-828-4-1RB.

Take apart
Inspect
Reassemble

Inspection charge $100.00

file copy. DLM
OK M.J. Riley

TO CERTIFY THAT MERCHANDISE SOLD ON THIS INVOICE HAS BEEN PRODUCED IN ACCORDANCE WITH THE FAIR LABOR STANDARDS ACT AS AMENDED.

COMMENTS:

1½% PER MONTH - 18% PER ANNUM SERVICE CHARGE ON ALL PAST DUE ACCOUNTS.

DUPLICATE INVOICE

SALES AMOUNT	
MISC. CHARGES	
SALES TAX	
FREIGHT	
TOTAL	

D. L. MAHER CO.

Daily Time Report

Date: April 15, 1981 Wednesday

Owner: J J Riley

Job Site: Submersible opaque pump

Job No. PR1-6-81

Truck No.	Total Mileage	Starting Time	Arrival Time at Job Site	From Lunch	To	Departure Time From Job Site	Arrival Time at Shop	Driving Time From Job Site	Total Allowed Travel Time	Total Job Site Time	Total Daily Time
	700		12[illegible]	1230		12[illegible]				5	[illegible]

Work Performed

assembled pump & painted

Materials moved on or off job

D. .. MAHER CO.

Dail / Time Report

Date: 9 Feb 81

Owner: JJ Riley's

Job Site:

Monday

Job No. PR 1-6-81

Truck No.	Total Mileage	Starting Time	Arrival Time at Job Site	From Lunch	To	Departure Time From Job Site	Arrival Time at Shop	Driving Time From Job Site	Total Allowed Travel Time	Total Job Site Time	Total Daily Time	
	3?					4					1	Phil McNamara

Work Performed

load off submersible motor and brought to MEC

Materials moved on or off job

D. L. MAHER CO.

Daily Time Report

Date: 3 April 81

Owner: J J Riley

Job Site:

Friday

Job No. PR1-6-81

Truck No.	Total Mileage	Starting Time	Arrival Time at Job Site	From Lunch	To	Departure Time From Job Site	Arrival Time at Shop	Driving Time From Job Site	Total Allowed Travel Time	Total Job Site Time	Total Daily Time
		9:30				10					½	Tom Mitchell

J.M. [illegible]

Work Performed

Drained oil from J.J. Riley Submersible motor

Materials moved on or off job

D. L. MAHER CO.

Daily Time Report

Date: 23 Jan 81

Friday

Owner: J J Riley

Job Site:

Job No. PR1-6-81

Truck No.	Total Mileage	Starting Time	Arrival Time at Job Site	From Lunch	To	Departure Time From Job Site	Arrival Time at Shop	Driving Time From Job Site	Total Allowed Travel Time	Total Job Site Time	Total Daily Time	
5-1		7	9 30			3			2½	5½	8	Tom Mifield
		7	9 30			430			2½	7	9½	John Mifield

Work Performed

put pump together at shop - tried hot-on motor at shop
set pump motor and column - run test on well

Materials moved on or off job

D. L. MAHER CO.

Daily Time Report

Date: 1-22-88

Owner: J. J. Riley's

Job Site:

Thursday

Job No. PR1-6-81

Truck No.	Total Mileage	Starting Time	Arrival Time at Job Site	From Lunch	To	Departure Time From Job Site	Arrival Time at Shop	Driving Time From Job Site	Total Allowed Travel Time	Total Job Site Time	Total Daily Time	
8	130					630				5	5	John McM

Work Performed

went to airport picked up motor - then picked up 3" well pump pulled tops and bottom bowls off of pump -

Materials moved on or off job

D. L. MAHER CO.

Daily Time Report

Date: 21 Jan 81

Owner: JJ Riley

Job Site: Shop

Wednesday

Job No. PR1-6-81

Truck No.	Total Mileage	Starting Time	Arrival Time at Job Site	From Lunch To	Departure Time From Job Site	Arrival Time at Shop	Driving Time From Job Site	Total Allowed Travel Time	Total Job Site Time	Total Daily Time	
		3				3 30					½	Tom Mikel

Work Performed

put ~~[illegible]~~ motor on skid to send back to BJ

Materials moved on or off job

D. L. MAHER CO.

Daily Time Report

Date: 20 JAN 81

Owner: J J Rileys

Job Site:

Tuesday

Job No. PR1-6-81

Truck No.	Total Mileage	Starting Time	Arrival Time at Job Site	From Lunch	To	Departure Time From Job Site	Arrival Time at Shop	Driving Time From Job Site	Total Allowed Travel Time	Total Job Site Time	Total Daily Time	
75-1		7	7 30			12			½	4½	5	Tom Mitchell
		1				4 30				3½	3½	Tom Mitchell
		1				4 30				3½	3½	Don Murphy

Work Performed

7-12 went to Rileys came back to shop to mach. plate for check valve and get trailer set up to run test - motor megged out shorted - went back to shop and got pump truck - pulled pump back out took motor and pump back to shop

Materials moved on or off job

D. L. MAHER CO.
Daily Time Report

Date: January 8, 1981
Owner: J. J. Riley
Job Site:

Thursday
Job No. PR 1-6-81

Truck No.	Total Mileage	Starting Time	Arrival Time at Job Site	From Lunch	To	Departure Time From Job Site	Arrival Time at Shop	Driving Time From Job Site	Total Allowed Travel Time	Total Job Site Time	Total Daily Time	
10	700					930				2½	2½	John McNei
	700					930				2½	2½	Brian Make
	930					400	430		½	6½	7½	John McNei
	930					400	430		½	6½	7½	Brian Make

Work Performed

separated motor shaft and hub at Mt Wahum - went to jobsite
filled motor with submersible oil
installed pump - it ran good and pulled 59-61 amps

Materials moved on or off job

2-qts oil (submersible oil) $4.00

D. L. MAHER CO.

Daily Time Report

Date: January 7, 1981

Owner: J J Riley

Job Site:

Wednesday

Job No. PR1-6-81

Truck No.	Total Mileage	Starting Time	Arrival Time at Job Site	From Lunch To	Departure Time From Job Site	Arrival Time at Shop	Driving Time From Job Site	Total Allowed Travel Time	Total Job Site Time	Total Daily Time	
10	900				430					7½	John Mc
	900				430					7½	Brian Mc

Work Performed

pulled submersible - motor was blown and shorted - tried to install new motor but hub was too tight

Materials moved on or off job

Riley 19'11
TMC

INVOICE
677

THE MAHER CORPORATION
P. O. BOX 127 • CONCORD ST.
NO. READING, MASS. 01864
(617) 933-3210

INVOICE DATE	November 30, 1977
OUR ORDER NO.	J.J. Riley's
YOUR ORDER NO.	
TERMS	net 15 days
F.O.B.	
SALESMAN	
SHIPPED VIA	

J.J. Riley Company
Salem Street
Woburn, MA 01801

SHIPPED TO

PPD. OR COLL.

QUANTITY	DESCRIPTION	PRICE	AMOUNT
	Byron Jackson 10" MQ-H, 5 stage vertical submersible pump 700 GPM @ 210' TDH		$3,158.25
	Replacement pump for stock.		

SERVICE CHARGE OF 1½%
PER MONTH WILL BE
MADE ON ALL BALANCES
EXCEEDING 45 DAYS.

FORM 1440. REGENT FORMS, BELLMAWR, N.J. 08030

Riley's 9-13-77

	1	2	3	4	5	6
	700 @ 210'					
					0	345
18" MQ-H		1600-			1	
5 stg		1000			2	315-
		2600-			3	
		66-	1716		4	220 70-
		~~$~~ 2866-			5	
	Freight		150		6	240 83
					7	@ 210 82
					8	190
						115
Bbls	426-					
		~~$~~ 226-				

PURCHASE ORDER

THE MAHER CORPORATION
P. O. BOX 127 • CONCORD ST.
NO. READING, MASS. 01864
(617) 935-6049

NO. 77-1415

THIS NUMBER MUST APPEAR ON INVOICES, B/L, BUNDLES, CASES PACKING LISTS AND CORRESPONDENCE.

J. F. Riley Co

DATE: 9-13-77

DATE WANTED: Quick Ship

TERMS:

F.O.B.:

SHIP VIA:

Byron Jackson Pumps
10 Keeney Rd.
Needham, Ma

SHIP TO: John F. Riley Co Salem St. Woburn, Ma

QUANTITY	DESCRIPTION	PRICE	AMOUNT
1	10" MQH 5 stage Submersible bowl assy 700 gpm @ 210' tdh	$2600.66	$1716-
	Duplicate of our order No 76-1310		

ACKNOWLEDGMENT

PLEASE SIGN AND RETURN IMMEDIATELY

ACCEPTED BY (SIGNATURE)

BY [illegible]

SHIPPING DATE PROMISED

FORM 1550, REGENT FORMS, PENNSAUKEN, N.J. 08109

Kelly T 8-5-70

D. L. MAHER CO.

P.O. BOX 274 • WOBURN, MASS.

933-3810

INVOICE

No. 4895

J.J. Riley
Salem Street
Woburn, Mass.

INVOICE DATE: September 3, 1970

OUR ORDER NO.: PO-8-70

YOUR ORDER NO.:

TERMS: Net 30 days

F.O.B.:

SALESMAN:

SHIPPED TO:

SHIPPED VIA:

PPD. OR COLL.:

QUANTITY	DESCRIPTION	PRICE	AMOUNT
1	work on old well 4 days	$250/day	$1000.00
102'	2-1/2" pipe left in place 1	2.00/ft.	204.00
1	3' manifold equipment: 46'3" pipe 2/2-3" couplings 8 1-1/2" coupling and 1-1/2 coupling 8 man hours manufacturing and testing		363.00
	Equipment for connection of manifold, and pump, including labor for connection of small piping		
8	2-1/2" elbows		
3	2-1/2" x 1-1/4" bushings		
15	1-1/4" plastic adapters		
56'	101/4" plastic pipe		
16	1-1/4" clamps		
4	1-1/2" x 4" nipples		
1	1-1/2" union		
2	1-1/2" x 1-1/4"		
2	1-1/4" x 3" nipples		
1	1-1/4" brass gate valve		
1	1-1/2" cross		
2	1-1/2 x 3/4 bushing		
2	3/4" close nipple		
2	3/4" hose adapters		
1	1-1/4" plug		195.00
	TOTAL		$1762.00

Pd 10-8-70

FORM 1440. REGENT FORMS, PHILA., PA. 19130

D. L. MAHER CO.

P.O. BOX 274 • WOBURN, MASS.

933-3270

INVOICE

No. 4395

Jack Riley
Huntington Road
Lynnfield, Mass.

J.J. Riley
Salem St
Wob.

SHIPPED TO

INVOICE DATE	~~Sept. 2, 1970~~
OUR ORDER NO.	~~[illegible]-3-70~~
YOUR ORDER NO.	
TERMS	~~Net 30 days~~ F.O.B.
SALESMAN	
SHIPPED VIA	PPD. OR COLL.

QUANTITY	DESCRIPTION	PRICE	AMOUNT
	work on old well		
1	~~2-1/2" tubular well field consisting of 8 open end wells 4 days~~ 4 days	$250/day	$1000.00
102'	2-1/2" pipe left in place	200/ft.	204.00
1	3" manifold equipment: 46' 3" pipe w/2-3" couplings 8 1-1/4" coupling and 1-1/2 coupling 8 man hours manufacturing and testing		135.00
1	~~Gould [illegible] pump w/ check valve and Y strainer~~		178.00
	Equipment for connection ~~of well field~~ of, manifold, and pump including labor for connection: of small piping		$363.00
3	2-1/2" elbows		
3	2-1/2" x 1-1/4" bushings		
16	1-1/4" Plastic adapters		
35'	1-1/4" plastic pipe		
16	1-1/4" clamps		
4	1-1/2" x 4" nipples		
1	1-1/2" union		
2	1-1/2" x 1-1/4"		
2	1-1/4" x 3" nipples		
1	1-1/4" brass gate valve		
1	1-1/2" cross		
2	1-1/2 x 3/4 bushing		
2	3/4" close nipple		
2	3/4" hose adapters		
1	1-1/4" plug		195.00
	TOTAL		$1762.00

ORM 1440. REGENT FORMS, PHILA., PA. 19130

D. L. MAHER CO.

LOG OF TEST WELL

Log of Well for Riley Test No. 6-7-8-9-10

Address 9 Huntingdon Road Lynnfield

Well located at Rear of house in County, State of Mass.

Date Drilling started 8/7/70 Date Test Hole Completed 8/11/70

Total depth to bottom of Well 12'-6" Diameter Test Hole 2½"

Water stands when not pumping 2' feet inches from the surface of the ground.

EACH STRATUM	DEPTH OF STRATA	FORMATION FOUND EACH STRATUM
0'	12'	Fine brown sand with gravel and clay
		All wells had the same material.
All hard driving		
Drove total of 10 wells Pulled out 2 wells Left 8 wells in		
All wells left in have no screens.		

Did Well Clear Up? Yes

How Long? 30 minutes

Time Pumped? 1 hour each well that 5 hrs

Drawdown Ft. In.

Capacity 9 G.P.M. vol. 2-6" each well

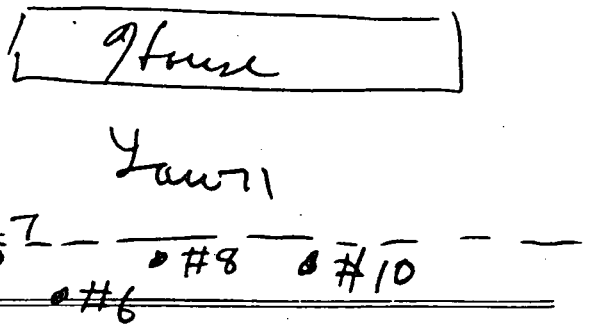
Time Required for Recovery?

Was Well Pulled? No - Just 6" off bottom

Observation None What Depth?

Was Observation Well Pulled?

Map of Location 9 Huntingdon Road



Remarks and opinion of Test

Driller Charles Mackey

Helpers L. Cafone

D. L. MAHER CO.

LOG OF TEST WELL

Log of Well for Riley Test No. 5-70

Address Huntingdon Road Lynnfield

Well located at Back house in County, State of Mass.

Date Drilling started 8/7/70 Date Test Hole Completed 8/7/70

Total depth to bottom of Well 12'-9" Diameter Test Hole 2½"

Water stands when not pumping 3' feet inches from the surface of the ground.

EACH STRATUM	DEPTH OF STRATA	FORMATION FOUND EACH STRATUM
12'-6"	12'-6"	Fine brown sand and gravel with clay. Some gray material at bottom of well

Did Well Clear Up? Yes

How Long? 1 hour

Time Pumped? 1 hour

Drawdown Ft. In.

Capacity 9 G.P.M. rec. 27"

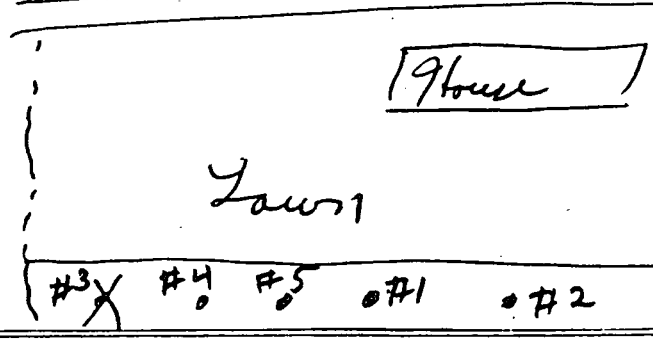
Time Required for Recovery?

Was Well Pulled? ~~Yes~~ Yes - Back to 11'-9"

Observation None What Depth?

Was Observation Well Pulled?

Map of Location



Remarks and opinion of Test Shoveled from 5' on.

Driller Charles Mackey

Helpers L. Capone

D. L. MAHER CO.

LOG OF TEST WELL

Log of Well for Riley Test No. 4-70

Address Huntingdon Road Lynnfield

Well located at Rear of house in County, State of Mass.

Date Drilling started 8/7/70 Date Test Hole Completed 8/7/70

Total depth to bottom of Well 11'-6" Diameter Test Hole 2½"

Water stands when not pumping 3' feet inches from the surface of the ground.

EACH STRATUM	DEPTH OF STRATA	FORMATION FOUND EACH STRATUM
11'-6"	11'-6"	Fine brown sand and gravel with clay. Pumped on tight side with hand pump. Started pumping at 5 G.P.M. but fell off to 3

Did Well Clear Up? yes

How Long? 1 hour

Time Pumped? 2 hours

Drawdown Ft. In.

Capacity 3 G.P.M. m. 27"

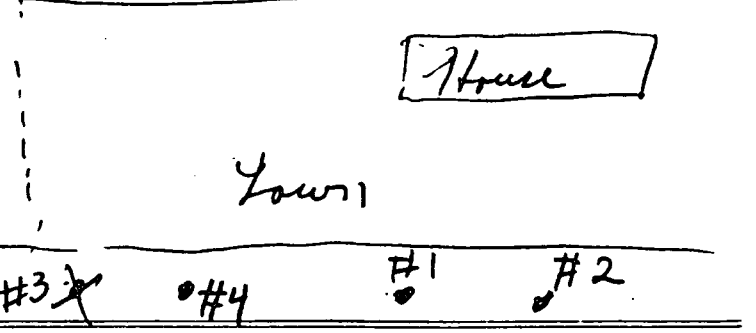
Time Required for Recovery?

Was Well Pulled? Not yet

Observation None What Depth?

Was Observation Well Pulled?

Map of Location



Remarks and opinion of Test All hard driving

Driller Charles Mackey

Helpers L. Capone

D. L. MAHER CO.

534-3370

LOG OF TEST WELL

3343370

Log of Well for Riley Test No. 3-70

Address Huntingdon Road Lynnfield

Well located at Rear of house in County, State of Mass.

Date Drilling started 8/7/70 Date Test Hole Completed 8/7/70

Total depth to bottom of Well 12' Diameter Test Hole 2½"

Water stands when not pumping 3' feet inches from the surface of the ground.

EACH STRATUM	DEPTH OF STRATA	FORMATION FOUND EACH STRATUM
8'	8'	Fine brown sand with gravel and clay
4'	12'	Fine gray sand with gravel and clay.
		Refusal at 12'

Did Well Clear Up? Would not pump

How Long?

Time Pumped?

Drawdown Ft. In.

Capacity

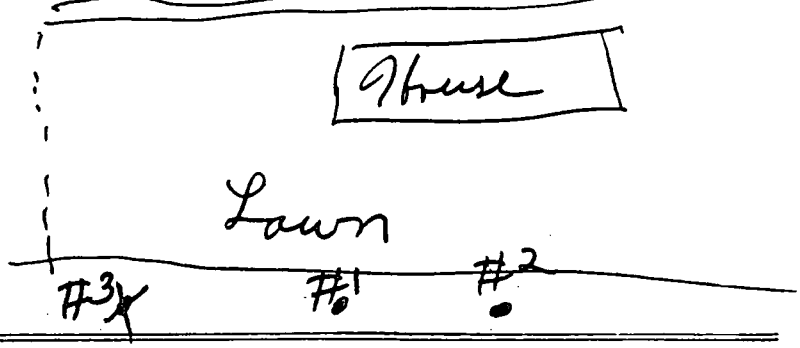
Time Required for Recovery?

Was Well Pulled? Yes

Observation None What Depth?

Was Observation Well Pulled?

Map of Location



Remarks and opinion of Test All hard driving

Driller Charles Mackey

Helpers L. Capone

D. L. MAHER CO.

LOG OF TEST WELL

Log of Well for Riley Test No. 2-70

Address Huntingdon Road Lynnfield

Well located at Rear of house in County, State of Mass.

Date Drilling started 8/6/70 Date Test Hole Completed 8/6/70

Total depth to bottom of Well 12' Diameter Test Hole 2½"

Water stands when not pumping 3' feet inches from the surface of the ground.

EACH STRATUM	DEPTH OF STRATA	FORMATION FOUND EACH STRATUM
12'	12'	Fine brown sand and gravel with clay.
		Refusal at 12'

Did Well Clear Up? Yes

How Long? 1 hour

Time Pumped? 2 hours

Drawdown Ft. In.

Capacity 9 G.P.M. rise 25"

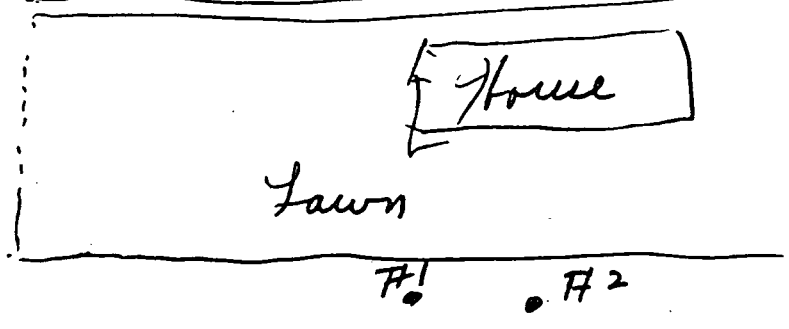
Time Required for Recovery?

Was Well Pulled? Yes - Packer to 11'-6"

Observation None What Depth?

Was Observation Well Pulled?

Map of Location



Remarks and opinion of Test Drive real hard

Driller Charles Mackey

Helpers L. Capone

D. L. MAHER CO.

LOG OF TEST WELL

Log of Well for Riley Test No. 1-70

Address 9 Huntington Road Tyngsfield

Well located at Rear of house in County, State of Mass.

Date Drilling started Thurs. 8/6/70 Date Test Hole Completed 8/6/70

Total depth to bottom of Well 13'-5" Diameter Test Hole 2½"

Water stands when not pumping 3' feet inches from the surface of the ground.

EACH STRATUM	DEPTH OF STRATA	FORMATION FOUND EACH STRATUM
12'	12'	Fine brown sand and gravel with clay
		Refusal at 13'-5"

Did Well Clear Up? Yes

How Long? 1 hour

Time Pumped? 3 hours

Drawdown Ft. In.

Capacity 10 G.P.M. rec. 18"

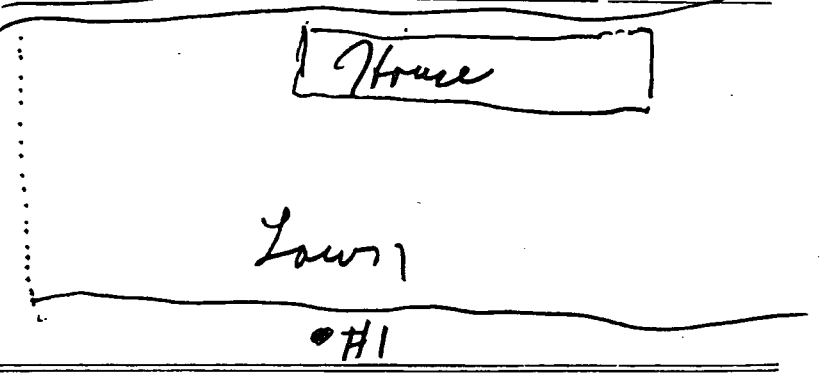
Time Required for Recovery?

Was Well Pulled? Yes - Back to 12'

Observation None What Depth?

Was Observation Well Pulled?

Map of Location Huntington Rd.



Remarks and opinion of Test Shore real hard

Driller Charles Mackey

Helpers F. Capone

Well No.

Location

D. L. MAHER CO.

RECORD OF TEST

Contract

Orifice

12' 9"		
12' 7"	16	
12' 6"	22	
12' 6"	28	
11' 6"	34	
12' 11"	45	
12' 10"	55	
134' 0"		
107' 7"		

#1 well 12'-7" of pipe
#2 well 12'-7" of pipe
#3 well 12'-6" of pipe
#4 well 12'-6" of pipe
#5 well 11'-6" of pipe
#6 well 12'-11" of pipe
#7 well 12'-10" of pipe
#8 well 13'-0" of pipe

All wells left in

Pump approx. 8 G.P.M. each vac. average 75"

Static approx. 2' average

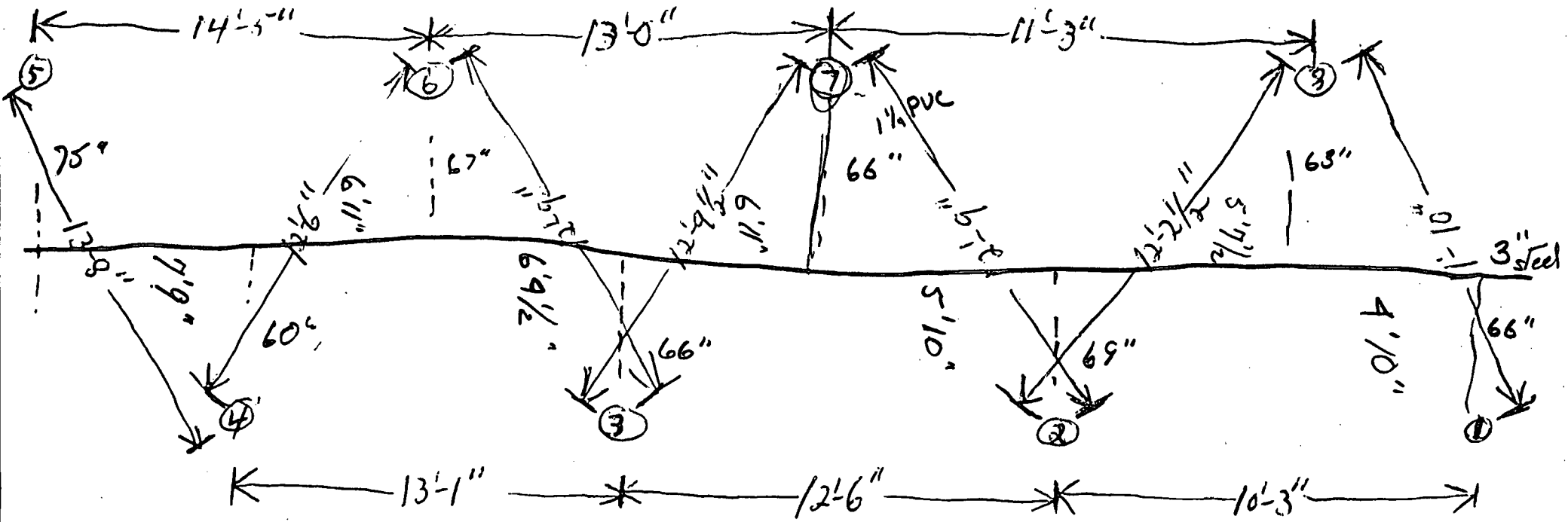
2½" wells

Material
9'in from sand and gravel with clay.

All hand driving.

Charles Mackey
Louis Capone

$1000.00	wells
220.00	Pipe
557.00	Pump
400.00	Hook up & Fittings
2377.00.	



9 Lowi

METROPOLITAN PIPE AND SUPPLY CO.

303 BINNEY 492-6400 CAMBRIDGE, MASS. 02142

51372

SOLD TO: D. L. Maher

SHIP TO: Ship

RECEIVED AUG 2 6 1970

D. L. MAHER CO.

APPROVED

P. O. FROM

B. O. TO

DATE

PHONE ☐ MAIL ☐ SHIP VIA q/t

DATE ORDERED	DATE WANTED	DATE SHIPPED	DATE BILLED	TERMS	CUST. ORDER NO.	SALESMAN	PACKER	CHECKER
8/18/70		8/19/70	8/25/70	CASH DISCOUNT - 2% 10TH PROX. NET 30	13033	Duffy	x	J

	42'	2	Lengths 3" PIE Steel Pipe				8266	34	72	NET	34	72
4/680	✓	1	piece 3" PIE Pipe 4'3" Long								5	74
	✓	2	3" W/S Uplgs.				6.40	12	80	42 10.25	5	01
											45	47

OK Delaney Schofield 8-25-70

D.P.M.

INVOICE

"Seller represents that with respect to the production of the articles and/or the performance of the services covered by this invoice, it has fully complied [illegible]"

Wells	1000.00
Pipe	204.00
Manifold Manufacturing 3 Settings	200.00
Pump	160.00
Set up	200.00

56' 1¼ Poly Tubing
46' 3" Pipe
2 3" Couplings
8 2½ Elbows @ 2.47
8 2½ x 1¼ Bushings @ 1.10
16 1¼ Adapters
16 1¼ Clamps
8 1¼ Couplings
1 1½ Coupling
4 1½ Nipples @ 1.25
1 1½ Strainer
1 Check Valve
1 Union 2.39
1 1½ 4 way Cross 3.14
4 1½ x 1¼ Bushin
1 1¼ Gate Valve 11.70

No. 95132

ESTABLISHED 1896

LUNT MOSS COMPANY

Pumps For Every Purpose

PUMPS
TURBINE PUMPS
' PUMPS
ER ROTARY PUMPS

OFFICE AND SALESROOM 236 BOSTON AVENUE
MEDFORD, MASS. 02155
TELEPHONE: 395-0240
AREA CODE 617

SWABY NON-CLOG PUMPS
HYDR-O-MATIC PUMPS
OSHKOSH FILTERS & SOFTENERS
PLASTIC PIPE & ACCESSORIES

August 28, 1970

ORDER NO.

TERMS Net 30 days

Tax 041 572 065

D. L. Maher Company
Box 127
North Reading, Massachusetts 01864

Pick up

1	1½" Check valve - brass	$ 7	80		
1	1½" "Y" strainer	11	00		
		18	80		
	Less 25%	4	70	$ 14	10
				NET	

J. Riley
T 8-5-70
Job file copy

ere are no oral understandings or agreements relative to this order that are not fully expressed herein and this agreement may not be modified or amended except in writing.
Cash must accompany orders for repair parts, othewise C.O.D.; and if claim is made on warranty, defective parts must be returned, transportation charges prepaid.
Any shortage or overcharge must be reported within 5 days of receipt of goods. Not responsible for damage or loss in transportation. MINIMUM CHARGE — $2.00

ESTABLISHED 1896

LUNT MOSS COMPANY

Pumps For Every Purpose

OFFICE AND SALESROOM 236 BOSTON AVENUE
MEDFORD, MASS. 02155
TELEPHONE: 395-0240
AREA CODE 617

NO. 95104
DUPLICATE

PUMPS
TURBINE PUMPS
PUMPS
R ROTARY PUMPS

SWABY NON-CLOG PUMPS
HYDR-O-MATIC PUMPS
OSHKOSH FILTERS & SOFTENERS
PLASTIC PIPE & ACCESSORIES

August 25, 1970

ORDER NO. 13048
TERMS NET 30 DAYS

D. L. Maher Co
Concord Road,
P O Box 127
North Reading, Mass. 01864

Mass. Tax 7041-572-005

Pick-up

1	GOULDS MODEL 3196 pump	160	00		
	Less 25%	40	00	120	00
				NET	

J. Riley 8-5-70
for file copy

D. L. MAHER CO.

Daily Time Report

Date: Aug 25, 1970

Owner: J. Reilly

Job Site:

Job No. T 8-5-70

Truck No.	Total Mileage	Starting Time	Arrival Time at Job Site	From Lunch	To	Departure Time From Job Site	Arrival Time at Shop	Driving Time From Job Site	Total Allowed Travel Time	Total Job Site Time	Total Daily Time	
		7:00		12:00	12:30	3:30				8 hrs	8 hrs	Paul Wilson

Work Performed

8 - 1 1/4" couplings, 1 - 1 1/2" coupling

Materials moved on or off job

D. L. MAHER CO.

Daily Time Report

Date: 2/28/70

Owner: Riley House

Job Site: Lynnfield

Job No. T 8-5-70

Truck No.	Total Mileage	Starting Time	Arrival Time at Job Site	From Lunch	To	Departure Time From Job Site	Arrival Time at Shop	Driving Time From Job Site	Total Allowed Travel Time	Total Job Site Time	Total Daily Time	
	7 AM	12	12	1230		4 PM	4 15	~~30~~ 15 .414	30 Min	3½	8¾	C Kelly
											8¾	D Maher Jr.

Work Performed

Materials moved on or off job

D. L. MAHER CO.

Daily Time Report

Date: August 11-1970

Owner: Riley

Job Site: Rear of house

Job No. 8-5-70

Truck No.	Total Mileage	Starting Time	Arrival Time at Job Site	From Lunch	To	Departure Time From Job Site	Arrival Time at Shop	Driving Time From Job Site	Total Allowed Travel Time	Total Job Site Time	Total Daily Time	
-1												
-5	7AM	7:30	12	12:30	3:30	3:45	15 min.	45 min	7½ hrs	8¼ hrs		C. Mucha
	7AM	7:30	12	12:30	3:30	3:45	15 min.	45 min	7½ hrs.	8¼ hrs.		L. Capone

Work Performed

Drove 2 - 2½" test wells each 12' deep. Completed 3 holes. 0' to 12' 9' in from vertical gravel with clay.

Materials moved on or off job

Used 24' of 2½" pipe and 8 2½" caps

D. L. MAHER CO.

Daily Time Report

Date: August 7-1970

Owner: J. Riley

Job Site: Rear of house

Job No. T8-5-70

Truck No.	Total Mileage	Starting Time	Arrival Time at Job Site	From Lunch	To	Departure Time From Job Site	Arrival Time at Shop	Driving Time From Job Site	Total Allowed Travel Time	Total Job Site Time	Total Daily Time	
C-1												
25	7AM	8AM	12:30	1PM	4:30	4:45	15 min.	1 1/4 hr.	8 hrs.	9 1/4 hrs.		Charlie Mackey
	7AM	8AM	12:30	1PM	4:30	4:45		1 hr.	8 hrs	9 hrs.		~~Steve~~ ~~Kelly~~ Louie Caponne

Work Performed

Drove 3 - 2½" wells 12' deep - chopped out plugs - and pumped wells. Pulled out one of the alone wells. Drill cuttings been over-cut off well and extended it. 0' to 12' Fill from sand and mixed with clay.

Materials moved on or off job

Used 24' of 2½" pipe

D. L. MAHER CO.

Daily Time Report

Date: August 6-1970

Owner: Riley

Job Site: Rear of house

Job No. T8-5-70

Truck No.	Total Mileage	Starting Time	Arrival Time at Job Site	From Lunch	To	Departure Time From Job Site	Arrival Time at Shop	Driving Time From Job Site	Total Allowed Travel Time	Total Job Site Time	Total Daily Time
70-1											
25	7AM	8AM	Rom	12:30	4:30	4:45	15 min.	30 min	8 hrs	9½ hrs	Charles Moore
	7AM	8AM	Rom	12:30	4:30	4:45		15 min	8 hrs	~~9 hrs~~	L. Cafone
										9 hrs	

Work Performed

Drove 2 - 2½" wells 0' to 13' of sand from sand with gravel and clay.

Materials moved on or off job

Used 24' of 2½" pipe - Not pulled as yet

D. L. MAHER CO.

Daily Time Report

Date: August 10 - 1970

Owner: Riley

Job Site: Rear of House

Job No. T8 -5-70

Truck No.	Total Mileage	Starting Time	Arrival Time at Job Site	From Lunch	To	Departure Time From Job Site	Arrival Time at Shop	Driving Time From Job Site	Total Allowed Travel Time	Total Job Site Time	Total Daily Time	
C-1	25	7A.M.	8A.M.	12 noon	12:30	4:30	4:45	15 min.	1¼ hr.	8 hr.	9¼ hr.	Charles Mock
		7A.M.	8A.M.	12 noon	12:30	4:30	4:45	15 min.	1 hr.	8 hr.	9 hr.	F. Capone

Work Performed

Drove 3 - 2½" wells each 12' deep chopped out plugs cleaned and rated and pumped wells. Pulled out #4 test hole 0' to 12' 9" in brown sand and gravel with clay.

Materials moved on or off job

Used 36' of 2½" pipe Not pulled at yet

Kilgy
TMC

1981
Motar #2 + Cable

INVOICE

Credit

THE MAHER CORPORATION
P. O. BOX 127 • CONCORD ST.
NO. READING, MASS. 01864
(617) 933-8210

INVOICE DATE	May 31, 1981.
OUR ORDER NO.	
YOUR ORDER NO.	
TERMS	F.O.B.
SALESMAN	
SHIPPED VIA	

J.J.Riley Co.,
Salem Street,
Wobhrn, Ma. 01801.

SHIPPED TO

PPD. OR COLL.

QUANTITY	DESCRIPTION	PRICE	AMOUNT
	CREDIT for exchange motor on previous invoice #1031		$2,616.23

CREDIT

FORM 1440, REGENT FORMS, BELLMAWR, N.J. 08030

INVOICE

1009

THE MAHER CORPORATION
P. O. BOX 127 • CONCORD ST.
NO. READING, MASS. 01864
(617) 933-3210

J.J. Riley Company
Salem ST
Woburn, MA 01801

INVOICE DATE: February 12, 1981
OUR ORDER NO.:
YOUR ORDER NO.:
TERMS: net 15 days
F.O.B.:
SALESMAN:
SHIPPED VIA:

SHIPPED TO:
PPD. OR COLL.:

QUANTITY	DESCRIPTION	PRICE	AMOUNT
	Air freight from Vernon, California		$ 884.72

SERVICE CHARGE OF 1½%
PER MONTH WILL BE
MADE ON ALL BALANCES
EXCEEDING 45 DAYS.

FORM 1440. REGENT FORMS. BELLMAWR, N.J. 08030

INVOICE 1006

THE MAHER CORPORATION
P. O. BOX 127 • CONCORD ST.
NO. READING, MASS. 01864
(617) 933-3210

INVOICE DATE	January 28, 1981
OUR ORDER NO.	
YOUR ORDER NO.	
TERMS / F.O.B.	Net 15 days
SALESMAN	
SHIPPED VIA	

J.J. RILEY CO.
Salem Street
Woburn, MA

SHIPPED TO

PPD. OR COLL.

QUANTITY	DESCRIPTION	PRICE	AMOUNT
1	50 HP - Type "H" Submersible exchange motor		
	3 phase - to cycle - 220 volt - 1800 RPM		
	#10-2612-4-1-RB		8,841.00
	Tax		442.05
			$9,283.05
	Credit will be issued open receipt and inspection of old motors.		
	Air freight from Los Angelos will be invoiced upon receipt of freight bill.		

SERVICE CHARGE OF 1½%
PER MONTH WILL BE
MADE ON ALL BALANCES
EXCEEDING 45 DAYS

FORM 1440. REGENT FORMS. BELLMAWR, N.J. 08030

INVOICE

CREDIT

THE MAHER CORPORATION
P. O. BOX 127 • CONCORD ST.
NO. READING, MASS. 01864
(617) 933-3219

J.J. Riley Co.
Salem ST
Woburn, MA 01801

INVOICE DATE: January 30, 1981
OUR ORDER NO.:
YOUR ORDER NO.: J.J. Riley
TERMS:
F.O.B.:
SALESMAN:
SHIPPED VIA:
SHIPPED TO:
PPD. OR COLL.:

QUANTITY	DESCRIPTION	PRICE	AMOUNT
	To credit Invoice #1006 for sales tax		$ 442.05

CREDIT

FORM 1440. REGENT FORMS. BELLMAWR. N.J. 08030

FROM

THE MAHER CORPORATION
P. O. Box 127 • Concord St.
No. Reading, MA 01864
(617) 933-3210

Byron Jackson
4501 So. 86th. East Avenue
Tulas, Oklahoma 74101

Attn: Mr. Ted Haws

SUBJECT: Sub motor - J.J. Riley #1

FOLD HERE

DATE

MESSAGE

This 50 HP 1750 220 volt submersible motor is being sent for inspection and credit on the exchange program.

Serial # 10-828-4-1RB

Should you have any questions, please call.

Sincerely,

SIGNED

Denis L. Maher Jr.

DATE

REPLY

SIGNED

FORM 11053 REGENT FORMS, BELLMAWR, N.J. 08031

LETTER-LIMINATOR

RECIPIENT: RETAIN WHITE COPY, RETURN PINK COPY

SENDER: SNAP OUT YELLOW COPY ONLY. SEND WHITE AND PINK COPIES WITH CARBON INTACT.

PURCHASE ORDER

THE MAHER CORPORATION
P. O. BOX 127 • CONCORD ST.
NO. READING, MASS. 01864
(617) 935-6049

№ 80 1956

THIS NUMBER MUST APPEAR ON INVOICES, B/L, BUNDLES, CASES PACKING LISTS AND CORRESPONDENCE.

D. J. Riley

DATE 1/15/81

DATE WANTED ASAP

TERMS

F.O.B.

SHIP VIA

SHIP TO

Byron Jackson

QUANTITY	DESCRIPTION	PRICE	AMOUNT
1	50HP 3 phase 60 cycle 220 volt 10" Type "H" Submersible Motor Exchange Program	$8831 .76	6711.56
1	#2 Flat Cable w/100' of round cable w/clamps	504 54.60 $1040.60 .8	832.48
	We will be sending back the exchange motor ASAP. Please let me know where to send it.		$7544.04

ACKNOWLEDGMENT

PLEASE SIGN AND RETURN IMMEDIATELY

ACCEPTED BY (SIGNATURE)

BY Lewis L Maher

SHIPPING DATE PROMISED

FORM 1550, REGENT FORMS, PENNSAUKEN, N.J. 08109

Dens

IMPORTANT
MAIL REMITTANCE TO NEAREST BOX
Dept. No. 1049, SCF Pasadena, CA 91050
P.O. Box 91329, Chicago, IL 60693
P.O. Box 1739, Stamford, CT 06920

BORG WARNER® **Byron Jackson Pump Division**
BORG-WARNER CORPORATION

:S TF (1)

INVOICE COPY

PAGE 1 OF 1

ISTOMER'S ORDER NO.	REQ. NO.	DATE ENTERED	BYRON JACKSON ORDER NO.	INVOICE NO:	INVOICE DATE
:0-1956		20 JAN 81	816-E-2002 .00A01	S100483	1-26-81

SOLD TO: 5066000

:AHER SUPPLY CORP
?.O. BOX 127
:ONCORD STREET
:O READING, MASS 01864

SHIP TO:

SAME: HOLD AT LOGAN AIRPORT
BOSTON, MASS PHONE 617-933-3210
UPON ARRIVAL FOR CUSTOMER WILL
CALL J. J. Riley

SHIPPING DATE: 1-20-81
BACK ORDER SCHD:
SHIP VIA AMERFORD
COLLECT [ ] PREPAID [X]
EXPORT [ ] PACKAGES [ ]
WEIGHT 8#
SHIPPED FROM LASC
F.O.B. TERMS
NET CASH 30 DAYS
UNLESS OTHERWISE NOTED
INTEREST CHARGED HIGHEST LEGAL RATE ON PAST DUE INVOICES.

ARK PACKAGE:

HIP VIA (C - COLLECT, A - ALLOWED, CH - CHARGE, I - INSTALL)	F.O.B.	SHIPMENT REQUIRED
AIR FREIGHT "CH"	L.A.	20 JAN 81

NO. UNITS	SIZE	NO. STGS. H/P	TYPE	MET. CL.

ITEM	QUANTITY ORDERED	DESCRIPTION	UNIT PRICE	QUANTITY B/O	QUANTITY SHIPPED	AMOUNT
1	1	50 HP 3/4/60/230 VOLT 10 'RB MOTOR # 10-2612-4-1 130 AMPERS	$7048.00		1	$7048.00
		ORIGINAL MOTOR TO BE RETURNED FOR ISNPECTICN & CREDIT				
		Billed				
		A SEPARATE INVOICE WILL BE RENDERED FOR FREIGHT CHARGES.				

BYRON JACKSON ORDER NO.
816-E-2002 .00A01

Permission must be secured before returning goods for credit.

We hereby certify that these goods were produced in compliance with all applicable requirements of Sec. 6-7-12 of the Fair Labor Standards Act, as amended and of regulations and orders of the United States Department of Labor issued under Sec. 14 thereof.

In accordance with our quotation, this order was accepted and made binding at our Home Office at Los Angeles, California, and title to the above described property, was transferred F.O.B., the factory shown above. All taxes, now or hereafter imposed in respect to this sale shall be for the account of the Purchaser, and if paid or required to be paid by us, the amount thereof, shall be added to and become part of the purchase price, payable by the Purchaser.

FORM P-893-9 10/80

March 6, 1981

Byron Jackson Pumps
50 Prospect ST
Stamford, CT

Att: Mr. J.J. Riley, Jr.
Re: P.O. 81-1960 and 67
J.J. Riley Co.

Dear Jack:

Why can't Byron Jackson, like so many manufacturers, let their customers know of price increases before they happen. It is always a surprise and the prices always arrive 2 weeks after they are in effect.

These motors are an example. These had to be bought, could have been sold at any price, and now I have to pay $334.66 more than I had anticipated because of a managerial shortcoming on B.J.'s part.

We're now the enemy! Certainly someone knows of the price increases before they are implemented.

Sincerely,

THE MAHER CORPORATION

Denis L. Maher Jr.

pag

cc Steve Gleason
B.J., 80 Main ST, West Orange, NJ 07052

BORG WARNER® **Byron Jackson Pump Division**
BORG-WARNER CORPORATION

CS TF (1)

IMPORTANT
MAIL REMITTANCE TO NEAREST BOX
Dept. No. 1049, SCF Pasadena, CA 91050
P.O. Box 91329, Chicago, IL 60693
P.O. Box 1739, Stamford, CT 06920

INVOICE COPY

CUSTOMER'S ORDER NO.	REQ. NO.	DATE ENTERED	BYRON JACKSON ORDER NO.	INVOICE NO:	INVOICE DATE
80-1956		20 JAN 81	816-E-2002 .00A01	S100483	1-26-81

SOLD TO: 5066000

MAHER SUPPLY CORP
P.O. BOX 127
CONCORD STREET
NO READING, MASS 01864

SHIP TO:

SAME: HOLD AT LOGAN AIRPORT
BOSTON, MASS PHONE 617-933-3210
UPON ARRIVAL FOR CUSTOMER WILL
CALL

SHIPPING DATE: 1-20-81
BACK ORDER SCHD:
SHIP VIA AMERFORD
COLLECT ☐ PREPAID ☒
EXPORT ☐ PACKAGES ☐
WEIGHT 8#
SHIPPED FROM LASC

MARK PACKAGE:

SHIP VIA (C - COLLECT, A - ALLOWED, CH - CHARGE, I - INSTALL)	F.O.B.	SHIPMENT REQUIRED
AIR FREIGHT "CH"	L.A.	20 JAN 81

NO. UNITS	SIZE	NO. STGS. H/P	TYPE	MET. CL.

F.O.B. TERMS
NET CASH 30 DAYS
UNLESS OTHERWISE NOTED
INTEREST CHARGED HIGHEST LEGAL RATE ON PAST DUE INVOICES.

ITEM	QUANTITY ORDERED	DESCRIPTION	UNIT PRICE	QUANTITY B/O	QUANTITY SHIPPED	AMOUNT
1	1	50 HP 3/4/60/230 VOLT 10'RB MOTOR # 10-2612-4-1 130 AMPERS	$7048.00		1	$7048.00
		ORIGINAL MOTOR TO BE RETURNED FOR ISNPECTION & CREDIT				

file copy
J. J. Riley

A SEPARATE INVOICE WILL BE RENDERED FOR FREIGHT CHARGES.

BYRON JACKSON ORDER NO.
816-E-2002 .00A01

Permission must be secured before returning goods for credit.

We hereby certify that these goods were produced in compliance with all applicable requirements of Sec. 6-7-12 of the Fair Labor Standards Act, as amended and of regulations and orders of the United States Department of Labor issued under Sec. 14 thereof.

In accordance with our quotation, this order was accepted and made binding at our Home Office at Los Angeles, California, and title to the above described property, was transferred F.O.B., the factory shown above. All taxes, now or hereafter imposed in respect to this sale shall be for the account of the Purchaser, and if paid or required to be paid by us, the amount thereof, shall be added to and become part of the purchase price, payable by the Purchaser.

THE MAHER CORPORATION
P. O. BOX 127 • CONCORD ST.
NO. READING, MASS. 01864
(617) 933-3210

INVOICE
CREDIT

INVOICE DATE	March 31, 1981
OUR ORDER NO.	J.J. Riley
YOUR ORDER NO.	
TERMS	F.O.B.
SALESMAN	
SHIPPED VIA	

J.J. Riley Company
Salem ST
Woburn, MA 01801

SHIPPED TO

PPD. OR COLL.

QUANTITY	DESCRIPTION	PRICE	AMOUNT
	Credit allowed for return of 50HP Type "H" submersible motor #1		
	Less freight to Oklahoma		2,743.60 127.37
	NET CREDIT		($2,616.23)

CREDIT

SERVICE CHARGE OF 1½% PER MONTH WILL BE MADE ON ALL BALANCES EXCEEDING 45 DAYS.

FORM 1440. REGENT FORMS. BELLMAWR, N.J. 08030

US EPA ARCHIVE DOCUMENT

Byron Jackson Pump Division
BORG-WARNER CORPORATION
P. O. BOX 2017, TERMINAL ANNEX, LOS ANGELES, CALIFORNIA 90051

IMPORTANT
MAIL REMITTANCE TO NEAREST BOX
Dept. No. 1049, SCT Pasadena, CA 91050
P.O. Box 91329, Chicago, IL 60693
P.O. Box 1739, Stamford, CT 06920

INVOICE COPY

PAGE _____ OF _____

CUSTOMER'S ORDER NO.	REQ. NO.	DATE ENTERED	BYRON JACKSON ORDER NO.	INVOICE NO.	INVOICE DATE
80-1956		20 JNA 81	816-E-2002.00X01	S101087	2-11-81

SOLD TO: 5066000

MAHER SUPPLY CORP.
P.O. BOX 127
CONCORD STREET
NO READING, MASS. 01864

SHIP TO:

SAME: HOLD AT LOGAN AIRPORT
BOSTON, MASS. PHONE(617)933-3210
UPON ARRIVAL FOR CUSTOMER WILL
CALL

SHIPPING DATE: 1-20-81
BACK ORDER SCHED: AMERFORD
SHIP VIA
COLLECT [ ] PREPAID [X]
EXPORT [ ] PACKAGES [ ]
WEIGHT 8#
SHIPPED FROM LASC
F.O.B. TERMS
NET CASH 30 DAYS
UNLESS OTHERWISE NOTED
INTEREST CHARGED HIGHEST LEGAL RATE ON PAST DUE INVOICES.

MARK PACKAGE:

SHIP VIA (C - COLLECT, A - ALLOWED, CH - CHARGE, I - INSTALL)	F.O.B.	SHIPMENT REQUIRED

NO. UNITS	SIZE	NO. STGS. H/P	TYPE	MET. CL.

ITEM	QUANTITY ORDERED	DESCRIPTION	UNIT PRICE	QUANTITY B/O	QUANTITY SHIPPED	AMOUNT
		FREIGHT CHARGES PER ATTACHED RECEIPT # LAX 3135777				$ 884.12

file copy
J. J. Riley

P-159

INVOICE

1031

THE MAHER CORPORATION
P. O. BOX 127 • CONCORD ST.
NO. READING, MASS. 01864
(617) 933-3210

INVOICE DATE: April 29, 1981.
OUR ORDER NO.:
YOUR ORDER NO.:
TERMS: Net 15 days
F.O.B.:
SALESMAN:
SHIPPED VIA:

J.J.Riley Co.,
Salem Street,
Woburn, Ma. 01801.

SHIPPED TO:
PPD. OR COLL.:

QUANTITY	DESCRIPTION	PRICE	AMOUNT
	Second Motor:		
1	50HP Type "H" Submersible Exchange Motor		
	3 phase 60 cycle 220 volt 1800 rpm		
	Job Serial 816-E-2004		
	Freight		$8,841.00
1	#110 Flat Cable plus 60' of #2 Round Cable		
	w/clamps		1,050.60
	Freight		144.44
			$10,036.04
	Credit will be forthcoming on the returned motor.		

SERVICE CHARGE OF 1½%
PER MONTH WILL BE
MADE ON ALL BALANCES
EXCEEDING 45 DAYS.

FORM 1440. REGENT FORMS, BELLMAWR, N.J. 08030

4 August 1981

RETURNED "H" MOTOR REPORT
SERIAL NO. 10-970-4-1RB
CUSTOMER: D. L. MAHER
10 INCH, 50 HP, 230 VOLT

CONDITION OF MOTOR:

MEGGER READINGS CONSTANT 1.6
BRIDGE READINGS VARIED .170, .185, .141
MERCURY THROUGHOUT MOTOR
BEARINGS VERY WORN AND SCORED
THRUST BEARING MODERATE WEAR
STATOR BURNT
RUST THROUGHOUT MOTOR
ROTOR RUSTY AND SEAL AREA HAD BUILDUP
HEAVY CORROSIVE ACTION, EXTERNALLY AND INTERNALLY
BALANCE TUBE PARTIALLY PLUGGED

CONCLUSION:

Ultimate cause of failure was water in the unit causing the stator to burn out. The heavy corrosive buildup in the seal area could indicate that mercury was possibly thrown from the seal area due to buildup allowing water to penetrate the motor.

Another possibility is that due to partially plugged balance tube, mercury was forced from the seal area by pressure buildup. At any rate, rust and corrosion in unit would indicate this unit was wet for a period of time.

Jim Hoover
Reliability Engineer

Byron Jackson Pump Division
BORG-WARNER CORPORATION

Dem

IMPORTANT
MAIL REMITTANCE TO NEAREST BOX
Dept. No. 1049, SCF Pasadena, CA 91050
P.O. Box 91329, Chicago, IL 60693
P.O. Box 1739, Stamford, CT 06920
#605 BX

INVOICE COPY

PAGE _____ OF _____

CUSTOMER'S ORDER NO.	REQ. NO.	DATE ENTERED	BYRON JACKSON ORDER NO.	INVOICE NO:	INVOICE DATE
81-1974		20 MAR 81	816-E-2021.00 A01	T102509	4/9/81

SOLD TO: 5066000 D

MAHER SUPPLY CORP.
P.O. BOX 127
NO. READING, MASS. 01864

SHIP TO:

SAME
CONCORD STREET
NO. READING, MASS. 01864

SHIPPING DATE: 4/7/81
BACK ORDER SCHD: 09395
SHIP VIA UPS
COLLECT ☐ PREPAID ☐
EXPORT ☐ PACKAGES ☐
WEIGHT
SHIPPED FROM
F.O.B. TERMS
NET CASH 30 DAYS UNLESS OTHERWISE NOTED
INTEREST CHARGED HIGHEST LEGAL RATE ON PAST DUE INVOICES.

P.O. 81-1974
MARK PACKAGE:

SHIP VIA (C - COLLECT. A - ALLOWED. CH - CHARGE. I - INSTALL)	F.O.B.	SHIPMENT REQUIRED
"CH"	TULSA	

NO. UNITS	SIZE	NO. STGS. H/P	TYPE	MET. CL.

ITEM	QUANTITY ORDERED	DESCRIPTION	UNIT PRICE	QUANTITY B/O	QUANTITY SHIPPED	AMOUNT
		FOR STOCK REPLACEMENT				
1	6	119250 FJ (BRZ) SERIES CASE BRGS 1 7/16	30.00		6	180.00
2	1	117889 ZZ (RUB) TOP CASE BRG 1 7/16 ID	140.50		1	140.50
						320.50
					FRT	2.91
						323.41
		NOTE: PRICES ARE FIRM				
		NO B/M NEEDED				
		PARTIAL SHIPMENT: ACCEPTABLE				
		NOT ELGIBLE TO COLLECT TAX IN MA.				

BYRON JACKSON ORDER NO.
816-E-2021.00 A01

Permission must be secured before returning goods for credit.

We hereby certify that these goods were produced in compliance with all applicable requirements of Sec. 6-7-12 of the Fair Labor Standards Act as amended and of regulations and orders of the United States Department of Labor issued under Sec. 14 thereof.

In accordance with our quotation, this order was accepted and made binding at our Home Office at Los Angeles, California, and title to the above described property, was transferred F.O.B., the factory shown above. All taxes, now or hereafter imposed in respect to this sale shall be for the account of the Purchaser, and if paid or required to be paid by us, the amount thereof, shall be added to and become part of the purchase price, payable by the Purchaser.

4000-A

FROM

Byron Jackson
4501 So 86TH East Avenue
Tulsa, Okla 74101

THE MAHER CORPORATION
P. O. Box 127 • Concord St.
No. Reading, MA 01864
(617) 933-3210

SUBJECT: Attn Ted Haws Re: J.J. Riley #2 Motor

FOLD HERE

DATE 4/3/81

MESSAGE

A 50HP Submersible motor Ser # 10-920-4-1RB is being sent for inspection, report + credit on Exchange Motor 816-E-2004

SIGNED Lewis Maher

DATE

REPLY

SIGNED

FORM 11053 REGENT FORMS, BELLMAWR, N.J. 08031 **LETTER-LIMINATOR** RECIPIENT: RETAIN WHITE COPY, RETURN PINK COPY

SENDER: SNAP OUT YELLOW COPY ONLY. SEND WHITE AND PINK COPIES WITH CARBON INTACT.

M. Riley 2nd Motor

ORDER

D. L. MAHER CO.

P. O. BOX 127 NORTH READING, MA 01864
933-3210

Ship To

SOLD TO: Byron Jackson
4501 So. 86th East Ave
Tulsa Oklahoma 74101

SHIP TO:

CUSTOMER ORDER NO.	SALESMAN	☐ CASH ☐ C.O.D. ☐ CHARGE ☐ CREDIT	DATE REQUIRED	F.O.B.	TERMS	DATE

QUANTITY	DESCRIPTION	PRICE	AMOUNT
1	50HP Submersible Type H Motor		
	Serial No 10-920-4-1BB		
	For Inspection & Report on an		
	Exchange Program		

GOODS RETD.	PAID OUT	FILLED BY / CHECKED BY	RECEIVED BY	TOTAL

FORM 14753, REGENT STANDARD FORMS, BELLMAWR, N.J. 08031

THIS SLIP MUST ACCOMPANY
ALL CLAIMS AND RETURNED GOODS

PURCHASE ORDER

THE MAHER CORPORATION
P. O. BOX 127 • CONCORD ST.
NO. READING, MASS. 01864
(617) 935-6049

№ 81 1958

THIS NUMBER MUST APPEAR ON INVOICES, B/L, BUNDLES, CASES PACKING LISTS AND CORRESPONDENCE.

2nd Mt. Riley Mtr & Cable

DATE 1/26/81

DATE WANTED

TERMS

F.O.B.

SHIP VIA

Byron Jackson Pumps

SHIP TO Above

QUANTITY	DESCRIPTION	PRICE	AMOUNT
1	50 HP Type "H" Submersible exchange motor 10" Type "H" 3 phase 60 cycle 220 volt 1800 rpm	$8331.76	6711.56
1	#2 Flat Cable w/60' of round cable w/clamps	504 — 536.60 $1040.60 .8	832.48
	The exchange motor will be sent back to Tulsa.		

ACKNOWLEDGMENT

PLEASE SIGN AND RETURN IMMEDIATELY

ACCEPTED BY (SIGNATURE) _____ BY _____

SHIPPING DATE PROMISED

FORM 1550, REGENT FORMS, PENNSAUKEN, N.J. 08109

TO DENIS MAHER
MAHER SUPPLY CORP
CONCORD ST. NO. READING, MASS 01864

FROM JACK RILEY
B. J PUMPS
STAMFORD, CONN 06901

SUBJECT J.J. RILEY CORP. SUBM MAIN REPORT 8166-2004 DATE 5/26/81

MESSAGE DEAR DENIS:

ATTACHED IS THE INSPECTION REPORT OF THE J.J. RILEY SUBMERSIBLE YOU WERE WAITING FOR. IF YOU HAVE ANY QUESTIONS, PLEASE CALL ME.

BEST REGARDS

Jack

SIGNED

REPLY

SIGNED DATE / /

Rediform® 4S 472

SEND PARTS 1 AND 3 WITH CARBON INTACT - PART 3 WILL BE RETURNED WITH REPLY.

POLY PAK (50 SETS) 4P472

INTER-OFFICE CORRESPONDENCE

Byron Jackson Pump Division

BORG WARNER

TO: Jack Riley

FROM: Ted Haws

DATE: 20 May 81

AT: Stamford, Conn.

AT: Tulsa, Okla.

SUBJECT: "H" Motor Report - Maher Corporation

Jack,

Attached is a report outlining the condition of the returned "H" motor, along with what we suspect was the cause of failure. We are also attaching teardown inspection sheets.

Please forward these reports to the customer for their information and records. Credit amount to be issued is $2616.23.

Regards,

Ted

Ted Haws

TRH:ms

Enc.

RETURNED "H" MOTOR REPORT
S/N 10-828-4-1 RB
Customer - Maher Corporation
End User - J.J. Riley Corp.

10 INCH 50 HP 220 VOLT

CONDITION OF MOTOR:

Evidence of water throughout motor - Rust on most all parts.
Mercury throughout motor.
Considerable amount of sand in motor.
Fairly heavy wear and scoring of bearings (probably sand & grit).
Stator bridge reading not balanced - Will require rewind.
Thrust bearing worn, scored and galled; sand and grit evident.
Balance tube unrestricted.

CONCLUSION:

Judging from wear characteristics of the motor, that being upper end worn more than lower end, it is probable pumping element was badly worn. This assumption is strengthened by the quantity of sand found in the motor. It appears that fairly high concentrations of sand might have been pumped, which would have worn pump. As the pump wore, it would cause vibration and oscillation of shaft. This would result in spilling of mercury and allow entry of sand laden water into motor. Accumulation of mercury and water would result in low meg readings.

In our opinion, the primary cause of failure was sand wear which, as it progressed, caused other problems and finally completed the failure.

Ted Haws
Reliability Engineer

PCU-244-2 (11-56)

INSPECTION REPORT ON RETURNED MOTOR

◯ Mercury Seal, ◯ Mechanical Seal

Order No. 90031, RT No. 118280, RT date 12 Mar, Motor No. 10-828-4-1 R.

50 HP, 3 P, 230 V, 60 Cyl. Orig.Job No. _____

W.S. _____, "E" Spc. _____, T.D. date _____, shipped _____

Customer Maher Corp

◯ Standard construction and material ◯ Special construction ◯ Special material

Additional items received with motor..... Y

◯ Pump, ◯ Cable - ◯ flat - ◯ round, ◯ Starter, ◯ Parts - _____

I. Condition as received:

Physical

1 - Sealed as shipped.....unk. Y N

2 - Shipping parts missing..... Y N

3 - Damaged..... Y (N)

◯ before rec. ◯ after rec., ◯ ?

4 - Lower casing or stud loose..... Y (N)

5 - Balance tube or fittings broken... Y (N)

◯ top, ◯ bottom.

6 - Good protective coating..... Y (N)

7 - Rusty..... (Y) N

◯ light, (✓) heavy

8 - Pits..... (Y) N

(✓) large, ◯ small, (✓) shallow, ◯ deep.

9 - Has been re-coated or painted..... Y (N)

10 - Sand or cement - like coated..... Y (N)

11 - Flat cable leads cut off..... Y N

12 - End float is std..... Y N

if not amount is _____

13 - Flat cable leads missing

14 - _____

Electrical (if required)

1 - Megged -

1-G .2, 2-G .2, 3-G .2, CG _____

2 - Resistance

1-2 .080, 1-3 .080, 2-3 .107

II. Condition at teardown:

1 - Torn down before factory rec.....Y (N)

2 - Rec. drained of oil or water..... Y (N)

3 - Vent plug tight..... (Y) N

4 - Drain plug tight..... (Y) N

5 - Baffle nut correct position..... Y N

6 - Terminals - std. height ± 1/16.... (Y) N

1-_____, 2-_____, 3-_____, 4 _____

◯ burned, ◯ damaged

7 - Parts missing..... (Y) N

Coupling, Key Thrust Button

8 - Quantity Hg. drained unk c.c

9 - Strainer cloth condition poor

10 - Casing stud fit broken.....Y (N)

11 - Mercury seal capped tight..... (Y)

12 - Mechanical seal screws tight..... (Y)

13 - Strainer has:

◯ chips, (✓) grit, ◯ grindings, (✓) F

On flange..... (Y)

On body..... (Y)

14 - Lower casing corroded thru

◯ above, ◯ below, gasket fit... Y

15 - Flower Hg. @ str. Area of Low.Csg.. Y

◯ lite, ◯ med. ◯ heavy

16 - Bead Hg. on walls L.C..... (Y)

◯ lite, (✓) med. ◯ heavy

17 - Sediment at bottom of L.C..... (Y)

(✓) mud, (✓) sand, (✓) Hg.

18 - Rotor fit frozen in sleeve brg..... Y

◯ upper, ◯ lower

19 - Balance assembly plugged..... Y

◯ solid, ◯ partial - approx. _____

◯ @ upper csg., ◯ @ lower csg.

◯ in tube, - ◯ upper, ◯ lower

20 - _____

III. Parts before wash:

Rotor:

1 - Copper plated..... Y

◯ lams, ◯ shaft, ◯ top, ◯ bottom

2 - Seal shaft coated..... Y

◯ solid, ◯ rings, ◯ spotted,

◯ fine, ◯ heavy, ◯ color _____

3 - Shaft heat discolored..... Y

◯ top, ◯ bottom

4 - Damaged N.G. for re-use..... Y

5 - _____

Bearing housing:

1 - Upper: (✓) rusty, (✓) mercury

2 - Lower: ◯ rusty, (✓) mercury

Sleeve bearings:

1 - Upper: good, (fair) poor, bad,

Scored..... Y

◯ lite, (✓) med., ◯ heavy

Mercury..... (Y)

3-23-81 EL

2 - Lower: good, fair, poor, bad
Scored..... Y N
( ) lite, ( ) med. ( ) heavy
Mercury..... Y N
3 - Seized shaft..... Y N
( ) upper ( ) lower
4 - _____

Upper casing:
1 - Deteriorated.....SCRAP..... Y N
( ) pitted, ( ) broken, ( ) soft
2 - Mercury inside..... Y N
( ) flower, ( ) bead

Stator:
1 - Visible burnout..... Y N
a - In end turns: ( ) top ( ) bottom
( ) on bend, ( ) @ cent., ( ) @lams.
( ) inside, ( ) outside
b - In slots:
( ) top, ( ) bottom, ( ) center
number of places_____
c - At terminal leads;..... Y N
( ) burned, ( ) burned off,
number burned off_____
2 - Appears O.K. for re-use..... Y N ?
3 - Hg. in stator..... Y N
( ) end turns, ( ) circulating ports,
( ) laminations
( ) bead, ( ) flower, ( ) sludge
4 - Laminations are clean..... Y N
( ) rusty, ( ) plated,
( ) sand, ( ) grit, ( ) grindings
( ) top, ( ) bottom, ( ) all over
5 - Foreign particles in varnish..... Y N
6 - Stator dirty from burnout..... Y N
( ) top, ( ) bottom, ( ) all over
7 - Stack appears O.K. for re-use..... Y N
8 - Bridge Bearing NOT Bad before Dryout

Ball bearings:
1 - ( ) radial, ( ) thrust
2 - Upper: good, fair, poor, bad
( ) dirty ( ) rusty ( ) plated
( ) galled ( ) broken ( ) chipped
3 - Lower: good, fair, poor, bad
( ) dirty ( ) rusty ( ) plated
( ) galled ( ) broken ( ) chipped
4 - _____

Thrust bearing (shoe type)
1 - good fair poor bad
2 - Scratched..... Y N
( ) Shoes - ( ) pivot ( ) solid
( ) Disc - ( ) pivot ( ) solid
3 - Assembly is - ( ) clean ( ) dirty

4 - Worn, - ( ) shoes, ( ) disc
depth_____
5 - Shoes look - ( ) galled,
( ) cracked, ( ) worked
6 - Shoes seized disc..... Y N
7 - Pickup on shoes..... Y N
8 - Pickup on disc..... Y N
9 - Rusty - ( ) hsg., ( ) disc,
( ) rocker plts. ( ) leveling plts.
10 - Leveling plts. beveled..... Y N
11 - Bronze shoes stained..... Y N
( ) solid ( ) pivot
12 - Mercury on pivot shoes..... Y N
( ) faces, ( ) back, ( ) edges,
( ) all over, ( ) spots
13 - Mercury on solid shoes..... Y N
( ) faces, ( ) edges, ( ) back
( ) all over, ( ) spots.
14 - Downthrust is: - ( ) pivot, ( ) solid
15 - Upthrust is: - ( ) pivot, ( ) solid
16 - _____

Seal (Mercury)
1 - Seal is - ( ) clean, ( ) dirty
sand, ( ) grit, ( ) other
2 - Mercury is sludged..... Y N
( ) flower, ( ) gummy, ( ) solid
3 - Inside; Deposit; Stain; Plating;
Housing ( ) ( ) ( )
Baffle ( ) ( ) ( )
Thimble ( ) ( ) ( )
Outside;
Housing ( ) ( ) ( )
Baffle ( ) ( ) ( )
Thimble ( ) ( ) ( )
4 - rubbed at cplg..... Y N
5 - Baffle swaged at cplg..... Y N
6 - Parts pitted..... Y N
7 - Housing rubbed shaft..... Y N
8 - _____

Seal (Mechanical:)
1 - Set screws tight..... Y N
2 - Housing screws tight..... Y N
3 - Housing O.K..... Y N
( ) worn, ( ) pitted, ( ) stained
4 - Sand or grit in housing..... Y N
5 - Bellows O.K..... Y N
6 - Water beads inside bellows..... Y N
7 - Spring is square..... Y N
8 - Spring is rusty..... Y N
9 - Rotating face
good fair poor bad
( ) glazed ( ) grooved ( ) pickup
( ) heat cracks, ( ) oxidized appear.
10 - Stationary face
good fair poor bad
( ) pocked, ( ) pickup ( ) grooves,

3-23-81 EL

○ glazed, ○ chipped, ○ cracked
○ oxidized appear.
11 - Stationary face tight.....Y N
12 - _____

IV. Miscellaneous Parts:
1 - Coupling O.K....missing.... Y N
2 - Coupling Key O.K...missing... Y N
3 - Gland Plate O.K..... (Y) N
○ burned ○ damaged
4 - Balance tube O.K..... (Y) N
5 - Casing stud O.K..... (Y) N
○ broken ○ top ○ bottom
6 - Casing stud oil line._____
7 - Thrust button O.K...missing... Y N
8 - Thrust screw O.K....missing. Y N
9 - Seal housing nut O.K..... (Y) N
10 - Seal housing ring O.K..... (Y) N
11 - All gaskets O.K..... Y N
12 - Repl Gaskets

V. Parts after wash (Additional findings)
Upper casing..... Y N

Stator
1 - Electrical check after dryout
Megged:
1-G_____, 2-G_____, 3-G_____, 4-G_____
Resistance:
1-2 .076, 1-3 .080, 2-3 .105
Surge at 1920 volts - AND
Hi-pot at_____volts, ____min.
2 - Varnish condition at end turns:
○ yellow, ○ tan, ○ red, ○ brown,
○ black, ○ light, ○ dark
○ flexible, ○ hard, ○ brittle
3 - Foreign particles in end turns Y N
○ chips, ○ grind, ○ sand, ○ other
4 - Lams.- ○ rusty, ○ plated, ○ stained
○ spotted, ○ all over
5 - Rotor rubbed..... Y N
○ @ cent., ○ bottom, ○ top
Length_____
○ Lams.grooved, ○ lams.bent
6 - _____

Rotor
1 - Run-out:
Brg. index in "V" blocks
Seal shaft_____, bott. shaft_____
Lams.:
Top_____, cent._____, bottom_____

2 - Was orig. straightened..... (Y) N
3 - Bars: ○ cu, ○ alum, (✓) brass
4 - End rings: ○ cu. ○ alum. (✓) brass
5 - Laminations rusty..... (Y) N
(✓) heavy, ○ lite, (✓) spotty, ○ solid
Lamination plated..... Y (N)
○ heavy, ○ lite, ○ spotty, ○ solid
6 - Coupling fit galled..... (Y) N
7 - Arc spots..... Y (N)
8 - Mercury..... (Y) N
(✓) end rings, (✓) lams, (✓) top, (✓) bottom
9 - Sleeve brg. pickup..... Y (N)
○ lite, ○ med. ○ heavy
○ upper, ○ lower
10 - Brg. surfaces scratched..... Y (N)
○ lite, ○ med. ○ heavy
○ upper, ○ lower
11 - Shaft rubbed..... Y (N)
○ in oil labyrinth ○ in seal
12 - _____

Bearing housing..... Y N
_____

Sleeve bearing..... Y N
_____

Ball bearings..... Y N
_____

Thrust bearing..... Y N
_____

Seal..... Y N
_____

VI. Additional remarks on motor:
_____

Signed Date

3-22-81 - EL

BORG WARNER® Byron Jackson Pump Division JAN 30 1981
BORG-WARNER CORPORATION
P.O. BOX 2017, TERMINAL ANNEX, LOS ANGELES, CALIFORNIA 90054

PARTS SALES ORDER DRAFT

1/24/81

CUSTOMER'S PURCHASE ORDER NO.	CUSTOMER'S REQ. NO. (★)	DATE ENTERED
80 - 1958		27 JAN 1981

SOLD TO (★) INVOICE PURCHASER

MAHER SUPPLY CORPORATION
P.O. BOX 127
NO. READING, MASS. 01864

(★) ZIP CODE

SHIP TO (★)

MAHER SUPPLY CORPORATION
CONCORD STREET
NO. READING, MASS. 01864

MARK PACKAGES (★) J.J. RILEY CO.

ULTIMATE DESTINATION (★) MASS.

SHIP VIA C- COLLECT, A- ALLOWED, CH- CHARGE, I- INSTALLED	F.O.B.	SHIPMENT REQUESTED	TERMS: NET CASH 30 DAYS
(★) BEST WAY - CHARGE	(★) TULSA	(★) APRIL 1981 OR SOONER	(★) STD.

ORIGINAL PUMP SERIAL NO.	SIZE	TYPE	NO. OF STAGES
UNKNOWN	UNKNOWN		

ITEM	QTY.	DESCRIPTION	UNIT PRICE	AMOUNT
(★)	(★) 1	(★) 50 HP - 10" TYPE H SUBMERSIBLE MOTOR 3/60/220 VOLT 1800 RPM X.76	$ 9273.-	$ 7047.-
	1	#1/0 FLAT CABLE PLUS 60' OF #2 ROUND CABLE C/W CLAMPS X.80	1050.60	840.48
				7887.48
		(NOTE PRICING.)		

(★) DO NOT COMPLETE IF CUSTOMER'S P.O. IS ATTACHED.
(All blocks must be completed if customer's P.O. is not attached.)

COMMISSION TO:	%	CODE	MAIN	SUB.	PROD.	AMOUNT	SALES CREDIT	TAXABLE YES	TAXABLE NO
							6/6 - 63030 - 139		
NONE							/6		X
							/6		
							/6		

TULSA PLANT # 89 TO FURNISH PROP. NO. DRAFT BY J.J. RILEY REGION STAMFORD

STATE	WHSE.	IND. CODE	ORIGIN	ULT. DEST.	MATERIAL CERTIFICATION REQUIRED YES	NO	GOV'T END USE YES	NO	INSPECTION SOURCE YES	NO	DEST YES	NO	BJ ORDER NO.
		E	020	020		X		X		X		X	816E2004

DESCRIPTION	PRODUCT CODE	SALES AMOUNT
BW SEALS	90	
ACCESSORIES	-1	
INSTALLATION	2	
REBUILT MOTORS	3	
PARTS & REPAIRS	2560 -4	$ 7887 48
CONTROLS	-8	
BOXING		
FREIGHT		
SALES TAX		

PRICING CATEGORY (Check One)

- [ ] COVERED BY BLANKET P.O.
- [ ] COVERED BY FIRM PRICE UNDER PROP. NO.
- [ ] GENERAL SALES TO PRICE.
- [X] DEALER LEVEL PRICED PER PRICE BOOK PRICES.

PARTIAL SHIPMENT

- [X] ACCEPTABLE
- [ ] UNACCEPTABLE

LETTER OF CREDIT

- [ ] YES
- [X] NO

EXPR. DATE

ALL GRAY AREAS TO BE COMPLETED BY FACTORY

P-285 5-73 CS

redi-letter

543506

TRIP

TO DENIS MAHOR
MAHOR SUPPLY CORP
NO. READING, MASS

FEB 4 1981

FROM JACK RILEY
B.T. STRATTON & CO. INC

FILE NO.	M.M.	D.M.	J.M.	M.K.	J.C.	J.N.

SUBJECT YOUR PO - 81-1958

DATE 2/2/81

MESSAGE DENIS: I REFER TO YOUR SUBJECT ORDER FOR A REBUILT 50HP SUBMERSIBLE MOTOR. YOU MUST BE USING OLD PRICE SHEETS AS THE LIST PRICE IS $9273. - X .76 FOR YOUR NET OF $7017. SEE PRICE PAGES 2-420-4 AND 2-460-4, BOTH DATED 16 JUNE 1980, ATTACHED. ALSO MOTOR NEEDS 4/0 CABLE, NOT #2 AND YOUR ADDITION IS NOT CORRECT. 504.- PLUS 546.60 = 1050.60 X .80 = 840.48.

SIGNED Jack

REPLY

SIGNED

DATE / /

REDIFORM 4S 472

SEND PARTS 1 AND 3 WITH CARBON INTACT - PART 3 WILL BE RETURNED WITH REPLY.

FEB 2 1981

PURCHASE ORDER

THE MAHER CORPORATION
P. O. BOX 127 • CONCORD ST.
NO. READING, MASS. 01864
(617) 935-6049

STAMFORD, CT.

№ 81 1958

THIS NUMBER MUST APPEAR ON INVOICES, B/L, BUNDLES, CASES PACKING LISTS AND CORRESPONDENCE.

2nd Jeff Riley Mr. Cable

Byron Jackson Pumps

DATE 1/26/81

DATE WANTED

TERMS

F.O.B.

SHIP VIA

SHIP TO Above

QUANTITY	DESCRIPTION	PRICE	AMOUNT
1	50 HP Type "H" Submersible exchange motor 10" Type "H" 3 phase 60 cycle 220 volt 1800 rpm	9273.- X.76 ~~$6831~~ .76	7047.- ~~67X.56~~
1	#2 Flat cable w/60' of round cable w/clamps	504- 546.60 ~~$1040.60~~ ~~.8~~	~~832.48~~
	The exchange motor will be sent back to Tulsa	1050.60 X.8	840.49

DENNIS: DO I HAVE YOUR PERMISSION TO MAKE THESE CHANGES ON YOUR P.O. ?

BEST REGARDS
Frank.

BY Louis Maher

FORM 1550. REGENT FORMS PENNSAUKEN, NJ 08109

FILE

PARTS SALES ORDER DRAFT

Byron Jackson Pump Division
BORG-WARNER CORPORATION
P.O. BOX 2017, TERMINAL ANNEX, LOS ANGELES, CALIFORNIA 90054

CUSTOMER'S PURCHASE ORDER NO. 80-1958 | CUSTOMER'S REQ. NO. (★) | DATE ENTERED 27 JAN 1981

SOLD TO (★) — INVOICE — PURCHASER

MAHER SUPPLY CORPORATION
P.O. BOX 127
NO. READING, MASS. 01864
(★) ZIP CODE

SHIP TO (★)
MAHER SUPPLY CORPORATION
CONCORD STREET
NO. READING, MASS. 01864

MARK PACKAGES (★) J.J. RILEY CO. | ULTIMATE DESTINATION (★) MASS.

SHIP VIA C- COLLECT, A- ALLOWED, CH- CHARGE, I- INSTALLED (★) BEST WAY - CHARGE | F.O.B. (★) TULSA | SHIPMENT REQUESTED OR (★) 1 APRIL 1981 SOONER | TERMS: NET CASH 30 DAYS (★) STD.

ORIGINAL PUMP SERIAL NO.	SIZE	TYPE	NO. OF STAGES
UNKNOWN	UNKNOWN		

ITEM	QTY.	DESCRIPTION	UNIT PRICE	AMOUNT
(★)	(★) 1	(★) 50 HP - 10" TYPE H SUBMERSIBLE MOTOR 3/60/220 VOLT 1800 RPM X.76	$ 9273.-	$ 7047.-
	1	#1/0 FLAT CABLE PLUS 60' OF #2 ROUND CABLE C/W CLAMPS X.80	1050.60	840.48
				7887.48

THIS IS OLDER WRITE UP I SENT IN. ON 1-27-81

(★) DO NOT COMPLETE IF CUSTOMER'S P.O. IS ATTACHED.
(All blocks must be completed if customer's P.O. is not attached.)

COMMISSION TO:	%	CODE	MAIN	SUB.	PROD.	AMOUNT	SALES CREDIT	TAXABLE YES	TAXABLE NO
							6/6 - 63030 - 139		
NONE							/6		X
							/6		
							/6		

TULSA PLANT = 69 TO FURNISH PROP. NO. DRAFT BY J.V. RILEY REGION STAMFORD

STATE	WHSE.	IND. CODE	ORIGIN	ULT. DEST.	MATERIAL CERTIFICATION REQUIRED YES	NO	GOV'T END USE YES	NO	INSPECTION SOURCE YES	NO	DEST YES	NO	BJ ORDER NO.
		E	020	020		X		X		X		X	816E2004

DESCRIPTION	PRODUCT CODE	SALES AMOUNT
BW SEALS	90	
ACCESSORIES	-1	
INSTALLATION	2	
REBUILT MOTORS	3	
PARTS & REPAIRS	2540 -4	$ 7887 48
CONTROLS	-8	
BOXING		
FREIGHT		
SALES TAX		

PRICING CATEGORY (Check One)
- [ ] COVERED BY BLANKET P.O.
- [ ] COVERED BY FIRM PRICE UNDER PROP. NO.
- [ ] GENERAL SALES TO PRICE.
- [X] DEALER LEVEL PRICED PER PRICE BOOK PRICES.

PARTIAL SHIPMENT
- [X] ACCEPTABLE
- [ ] UNACCEPTABLE

LETTER OF CREDIT
- [ ] YES [X] NO
EXPR. DATE

ALL GRAY AREAS TO BE COMPLETED BY FACTORY

F-285 5-73

TYPE H SUBMERSIBLE MOTORS

PRICE LIST

1800 RPM — 3 PHASE — 60 CYCLE

NOMINAL MOTOR SIZE	HORSEPOWER	VOLTAGE	LIST PRICE	WEIGHT	MINIMUM WELL I.D.
8"	(7½)	230 460	$6,397.	450#	8"
	(10)	230 460	6,727.	465	
	15	(230) 460	7,174.	480	
	20	(230) 460	7,609.	500	
	25	(230) 460	7,878.	525	
	30	(230) 460	8,117.	550	
10"	40	(230) 460	8,849.	845	10"
	50	(230) 460	9,273.	960	
	60	(230) 460	9,808.	1100	
	75	(230) 460	10,065.	1250	
	100	460	11,393.	1365	
	125	460	13,335.	1480	
12"	125	460	14,385.	1750	12"
	150		15,467.	1890	
	175		16,590.	2030	
	200		17,724.	2170	
	125	2300	15,540.	2050	
	150		16,727.	2190	
	175		17,955.	2330	
	200		19,163.	2470	
14"	125	460 ONLY	14,910.	2260	14"
	150		16,361.	2400	
	200		18,418.	2750	
	250		20,783.	3100	
	300		22,384.	3320	
	125	2300 ONLY	15,959.	2560	
	150		17,699.	2780	
	200		19,383.	3140	
	250		21,287.	3160	
	300		23,460.	3340	
16" (2300 V) (17")*	(200)	2300 ONLY	23,025.	3300	15¼
	250		25,449.	3500	
	300		26,915.	3725	
	350		30,537.	4100	
	(400)		33,679.	4250	
	450		36,850.	4400	
	500		40,232.	4600	
18" (2300 V)	(600)	2300 ONLY	59,094.	5000	17¼"
	(700)		69,046.		

* - Will be available as 17 in. frame after 1-1-81.

1. Motors are constructed for operating on one voltage only and cannot be reconnected for a different voltage. Maximum BHP MUST NOT EXCEED 110% of rated motor horsepower.
2. Sizes in parenthesis ( ) are not stocked, and will be built to customer's order only.
3. Consult General Sales for shipment on non-stock, or unlisted motors.
4. For motors with all wetted parts of Type 300 series stainless steel use 2.20 multiplier. Consult General Sales for delivery.
5. Maximum diameter pump bowl for use with 8 inch motor is 10 inch.
6. Maximum diameter pump bowl for use with 10 inch motor is 12 inch.

All prices are F.O.B. Factory. Contact General Sales for Export Inquiries.

All prices are subject to change without notice.

SUBMERSIBLE TYPE H EXCHANGE MOTORS

PRICE LIST

1800 RPM — 3 PHASE — 60 CYCLE

HORSE-POWER	VOLTAGE	WEIGHT	NOMINAL MOTOR SIZE	REBUILT EXCHANGE MOTOR PRICES	TRADE-IN ALLOWANCE "A" STATOR O.K.	"B" STATOR N.G.	"C" SCRAP VALUE ONLY
7½	230 or 460	450#	8"	$6,397.	$3,093.	$1,536.	$280.
10		465		6,727.	3,219.	1,641.	290.
15		480		7,174.	3,437.	1,797.	312.
20		500		7,609.	3,625.	1,850.	321.
25		525		7,878.	3,738.	1,941.	343.
30		550		8,117.	3,780.	1,962.	362.
40	230 or 460	845		[illegible]	4,466.	2,204.	417.
50		965		9,273.	4,860.	2,575.	435.
60	460 ONLY	1100	10"	9,608.	5,088.	2,669.	477.
75		1250		10,065.	5,422.	2,784.	509.
100		1365		11,393.	5,887.	2,939.	571.
125		1480		13,335.	7,200.	3,734.	667.
125	460 ONLY	1750	12"	14,385.	7,912.	4,028.	719.
150		1890		15,465.	8,506.	4,330.	773.
175		2030		16,590.	9,125.	4,645.	830.
200		2170		17,724.	9,748.	4,963.	886.
125	2300 ONLY	2050		15,540.	8,547.	4,351.	777.
150		2190		16,727.	9,200.	4,684.	836.
175		2330		17,955.	9,875.	5,027.	898.
200		2470		19,163.	10,540.	5,366.	958.
125	460 ONLY	2260	14"	14,910.	7,477.	3,833.	684.
150		2400		16,361.	8,874.	4,524.	768.
200		2750		18,418.	10,186.	5,328.	839.
250		3100		20,783.	12,430.	5,608.	924.
300		3320		22,384.	13,430.	6,491.	1,119.
125	2300 ONLY	2560	14" or 15"	15,959.	8,359.	4,064.	821.
150		2780		17,699.	9,533.	5,144.	876.
200		3000		19,383.	11,048.	5,621.	969.
250		3140		21,287.	12,134.	6,173.	1,064.
300		3340		23,460.	13,372.	6,803.	1,173.
200	2300 ONLY	3300	16" or 17"	23,025.	12,619.	5,374.	1,860.
250		3500		25,449.	14,488.	6,635.	1,945.
300		3725		26,915.	16,470.	8,103.	2,035.
350		4100		30,537.	18,505.	9,533.	2,174.
400		4250		33,679.	20,561.	10,977.	2,285.
450		4400		36,850.	22,991.	12,806.	2,389.
500		4550		40,232.	24,860.	14,020.	2,639.
600	2300 ONLY	5000	18"	59,094.	38,411.	19,501.	2,955.
700				69,046.	44,880.	22,785.	3,452.

1. Column "A" not applicable where Stator Case corroded beyond usable condition, must also pass standard highpot test, otherwise Column "B" will apply regardless of stator condition.
2. Column "C" applicable to motors with Stator N.G., Rotor N.G., Bearings N.G.
3. All credits based on returns including shipping caps, jig assembly, one couplings.
4. Motors are connected for one voltage only and cannot be reconnected for a different voltage. Maximum BHP must not exceed 110% of rated motor horsepower.
5. A credit reduction on all motors over 5 years old will be deducted from the credit allowance. This deduction will be based on age and condition at the time of inspection of the returned motor.

All prices are F.O.B. Factory. Add 5% to price and 10% to weight for Export Boxing.

All prices are subject to change without notice.

Kelly
Tandy

PR 8-5-72

D. L. MAHER CO.

P.O. BOX 274 • WOBURN, MASS.

933-3230

INVOICE

No. 5465

page 3

INVOICE DATE: September 20, 1972

OUR ORDER NO.:

YOUR ORDER NO.: pp8-5-72

TERMS: net 30 days

F.O.B.:

SALESMAN:

SHIPPED TO:

J.J. Riley Company
228 Salem Street
Woburn, Mass.

SHIPPED VIA:

PPD. OR COLL.:

QUANTITY	DESCRIPTION	PRICE	AMOUNT
6	6" ring gaskets		9.00
48	3/4x3" hex bolts & nuts		28.80
50"	6" pipe		31.06
3'	1" pipe		2.00
2	2" x 6" nipples		5.88
1	2"x6" nipple		1.31
2	2" blk mall elbows		4.54
1	2" " union		4.77
18"	7/8 threaded rod		1.20
1	1/4"x8" square plate		3.50
1	1/4" gas cock		~~8x32~~ 3.83
1	bracket for gauge		3.50
4	3/4"x4" studs		2.40
4	5/8x4" studs		2.00
8	3/4 nuts		1.60
34'	3/8 O.D. plastic rubing		6.80
1	0-70 altitude gauge		7.00
1	roll plastic tape		2.50
2'	6" tail pipe		14.76
	Misc. small piping		5.71
	General repair on 40HP U.S. Motor-changed top and lower bearings and lock nuts and checked motor for service		237.49
37'	12" pipe	8.00/'	296.00
4	6" step on flanges		56.00
6'	3/8 x 3" flat bar		10.90
6'	1/2"x3" flat bar		9.90
16'	1"x8" ~~[illegible]~~ pine		4.80
5	90 lbs. bags sand mix		22.50
1	B.J. 8" G-H 7 stage		
30'	1-3/16 x 6" WLC		
1	6" x 16-1/2" GSR head with sole plate and ~~2~~ 2 piece head shaft		1,470.00
	TOTAL		$7,696.64

Rcd 10-10-72

FORM 1440, REGENT FORMS, PHILA., PA. 19130

D. L. MAHER CO.

P.O. BOX 274 • WOBURN, MASS.

933-3210

INVOICE

No. 5465

Page 2

INVOICE DATE: September 20, 1972

OUR ORDER NO.

YOUR ORDER NO.: P29-5-72

TERMS: net 30 days

F.O.B.

SALESMAN

SHIPPED VIA

PPD. OR COLL.

J.J. Riley Company
228 Salem Street
Woburn, Mass.

SHIPPED TO

QUANTITY	DESCRIPTION	PRICE	AMOUNT
	Aug. 21, 1972 - Developing well, gravel to within 18" of top		
12 hrs.	machine hours	45.00	540.00
	Aug. 22, 1972 - developing well		
12 hrs.	machine hours	45.00	540.00
	Aug. 23, 1972 - Finished developing, pulled surge pipe, loaded truck, & returned to shop		
8 hrs.	machine hours	45.00	360.00
	Aug. 24, 1972 - tear down rig		
4 hrs.	machine hours	45.00	180.00
	Sept. 6, 1972 - set pump & started making pipe connections		
2 hrs.	service man	11.00	88.00
1/2 hr.	overtime	13.75	6.87
8 hrs.	helper	9.50	76.00
1/2 hr.	overtime	11.50	5.75
	hydraulic rig		105.00
20 mi.	mileage	.15	3.00
	Sept. 7, 1972 - Finished pipe line & blow off pipe, grouted 24" casing & ran pump to waste		
8 hrs.	service man	11.00	88.00
1-1/2 hrs.	overtime	13.75	20.62
8 hrs.	helper	9.50	76.00
1-1/2 hrs.	overtime	11.50	17.25
	hydraulic rig		105.00
18 mi.	mileage	.15	2.70
22-1/2 hrs.	Shop Labor	11.00	247.50
	Materials		
1	12" stainless steel screen 10'-0" 100 slot		985.60
	freight		12.31
5 ton	filter gravel 3/8 x 3/16		175.00
36"	24" pipe		36.90

RR 1440. REGENT FORMS, PHILA., PA. 19130

D. L. MAHER CO.

P.O. BOX 274 • WOBURN, MASS.

933-3210

INVOICE

No. 5465

INVOICE DATE: September 20, 1972

OUR ORDER NO.: PPO-5-72

YOUR ORDER NO.:

TERMS: net 30 days

F.O.B.:

SALESMAN:

SHIPPED TO:

J.J. Riley Company
223 Salem Street
Woburn, Mass.

SHIPPED VIA:

PPD. OR COLL.:

QUANTITY	DESCRIPTION	PRICE	AMOUNT
	Aug. 3, 1972 - inspecting pump		
2 hrs.	service man	11.00	22.00
25 mi.	mileage	.15	3.75
	Aug. 4, 1972 - Pull 50HP pump & return all to shop		
3-1/2 hrs.	service man	11.00	38.50
3-1/2 hrs.	helper	9.50	33.25
3-1/2 hrs.	helper	9.50	33.25
	hydraulic rig		45.00
25 mi.	mileage	.15	3.75
	Aug. 11, 1972 - Set 36'-11" of 12" casing, break up old foundation and weld pipe		
8 hrs.	service man	11.00	88.00
2-1/2 hrs.	overtime	13.75	34.37
8 hrs.	helper	9.50	76.00
2-1/2 hrs.	overtime	11.50	28.75
	hydraulic rig		105.00
25 mi.	mileage	.15	3.75
	Aug. 14, 1972 - set up		
3-1/2 hrs.	machine time	45.00	157.50
	Aug. 15, 1972 - welded 12" casing & guides, bailed 12" casing to bottom of well		
8 hrs.	machine time	45.00	360.00
	Aug. 16, 1972 - Set 12" screen, set surge pipe		
4-1/2 hrs.	machine time	45.00	202.50
	Aug. 17, 1972 - Installing new gravel & guides for surge block		
3 hrs.	machine hours	45.00	135.00
	Aug. 18, 1972 - Pulled 12" casing back to 9'-6" to expose screen & started developing		
9 hr.	machine hours	45.00	405.00

FORM 1440. REGENT FORMS, PHILA., PA. 19130

MAHER SUPPLY CORPORATION

P.O. BOX 127 • CONCORD ST.
NO. READING, MASS. 01864
(617) 935-6049

INVOICE

232

D.L. Maher Co.

INVOICE DATE: November 8, 1972
OUR ORDER NO.: Riley's Tannery
YOUR ORDER NO.:
TERMS: net 30 Days
F.O.B.:
SALESMAN:

SHIPPED TO:
SHIPPED VIA:
PPD. OR COLL.:

QUANTITY	DESCRIPTION	PRICE	AMOUNT
1	Byron Jackson 8" G-H 7 stage DNT		
30'	6"x1-3/16" self-lube column		
1	6"x16-1/2" GSR discharge head with sole plate and two piece head shaft		
	TOTAL		$1,270.00

J. J. Riley
PR 8-5-72
for file copy

US EPA ARCHIVE DOCUMENT

Adjustable Speed Drives – Motors – Gearmotors – Generators – Controls – Transformers – Rectifiers – Power Conversions

EMPIRE ELECTRICAL COMPANY

SALES – REPAIRS – ENGINEERING

54 MYSTIC AVENUE, MEDFORD, MASS. 02155

Tel. (617) 395-5000

E 30279

DUPLICATE INVOICE

SOLD TO: D. L. MAHER CO. (1)
CONCORD ST.
NO. READING MASS.
01864

SHIP TO:

TERMS – NET 30

APPLICATION CONNECTED	VIA	P. O. NO.	DATE
	Air 8-29-72	15310	8-31-72

ARTICLE MOTOR

GENERAL REPAIRS ☑

194.89

MAKE U.S.
KIND
ENCL.
TEMP. 40 °C | AMBIENT TEMP. RISE
SER. 557745
H. P. 40
VOLT 220-440
PHASE 3 CYCLE 50
R. P. M.
AMP. 98/49
MOD.
TYPE CFU
FRAME 404-1
ROT-SH.

KENCO
AGE
CLASS
EXCHANGE
SERIAL NO.
PRICE

PARTS – WORK DONE as checked

F. BEARING	☑
R. BEARING	☑
STAT. SWITCH	☐
ROT. SWITCH	☐
THERM. PROT.	☐
CAPACITOR	☐
BRUSHES	☐
SOLDER/U.C. COMM.	☐
MACH. COM.	☐
S. SOLDER ROTOR	☐
METALIZING F.	☐
METALIZING R.	☐
VARN & BAKE	☐
WIND STATOR	☐
WIND ARMATURE	☐
WIND FIELD	☐
LINE LEADS	☐
DYNAMIC BAL.	☐
EPOXY	☐

2 lock nuts

Riley's PR 8-5-72
file copy

SALES TAX ON $ 9989 = 3.00

☐ TAX EXEMPT

PLEASE PAY THIS AMOUNT ➤ 197.89

"We hereby certify that these goods were produced in compliance with all applicable requirements of Sections 6, 7 and 12 of the Fair Labor Standards Act, As Amended, and of regulations and orders of the United States Department of Labor issued Section 14 thereof."

Thank You

TERMS: NET CASH

1½% Per Month (18% Per Annum) Interest Added to Past Due Accounts.

Collection Cost to be Paid by Purchaser.

Page 1

STOCK REQUISITION No.

To Purchasing Dept.

GOODS NEEDED FOR	DATE NEEDED BY	DATE
J. J. Riley		

SOURCE OF SUPPLY

DELIVER TO DEPT.	CHARGE TO	ACCT. NO.

PLEASE ORDER THE FOLLOWING:

QUANTITY	SIZE	DESCRIPTION	AMT. ON HAND	NEED FOR ORDERS
1	8	75 stg Pump w/ Packing		
3	6"	x 1 3/16 Spacers Complete		
2	10 x 1 3/16	Line shaft		
1	5 x 1 3/16	Line Shaft		
1	5 x 1 1/4 x 1 3/16	head shaft		
1	6 x 16 1/2	discharge w/ Sole plate Complete		
1	1 3/16	packing gland w/ 2 cage rings & packing		
5	1 3/16	Line shaft couplings		

KEEP CANARY COPY FOR REFERENCE
SEND OTHER(S) TO PURCHASING

USE SEPARATE SET FOR EACH TYPE OF GOODS

REQUESTED BY	APPROVED BY	
J. Wilson		
ORDERED FROM	P. O. DATE	P.O. NO.

FORM 1700, REGENT FORMS, PENNSAUKEN, N.J. 08109

US EPA ARCHIVE DOCUMENT

US EPA ARCHIVE DOCUMENT

Page 1

STOCK REQUISITION No.

To Purchasing Dept.

GOODS NEEDED FOR	DATE NEEDED BY	DATE
J. J. Riley	Sept 5 - 1972	

SOURCE OF SUPPLY

DELIVER TO DEPT.	CHARGE TO	ACCT. NO.

PLEASE ORDER THE FOLLOWING:

QUANTITY	SIZE	DESCRIPTION	AMT. ON HAND	NEED FOR ORDERS
2	4 11½ x 6	column		
2	4 - 11½ x 6	column		
3	6"	couplings		

FORM 1700, REGENT FORMS, PENNSAUKEN, N.J. 08109

KEEP CANARY COPY FOR REFERENCE
SEND OTHER(S) TO PURCHASING
USE SEPARATE SET FOR EACH TYPE OF GOODS

REQUESTED BY	APPROVED BY	
P. Wilson		
ORDERED FROM	P. O. DATE	P.O. NO.

US EPA ARCHIVE DOCUMENT

DUPLICATE INVOICE

METROPOLITAN PIPE AND SUPPLY CO.

303 BINNEY ST. 617 - 492 - 6400 CAMBRIDGE, MASS. 02142

12389
CONTROL No.

SOLD TO: [redacted]
102-O-TE
D. L. MAHER CO.
P.O. BOX 127
CONCORD ST.
NO. READING, MASS. 01864

SHIP TO: same

PAGE ___ of ___

SHIP VIA: C/T

DATE OF ORDER	DATE WANTED	DATE SHIPPED	CUSTOMER ORDER NO.	JOB NO.	CUSTOMER NO.	SALESMAN	INVOICE DATE	INVOICE NO.
9/6/72		9/7/72	15392			102	9/11/72	12612

QUANTITY SHIPPED	QUANTITY ORDERED	DESCRIPTION	QUANTITY SHIPPED	LIST PRICE	DISCOUNT	NET
✓	4	6" Ser 15 S/O Flanges	4	13.00	.50	26.00

Riley's PR 8-5-72
file copy

CUSTOMER SIGNATURE	MERCHANDISE TOTAL	SALES TAX	FREIGHT	MISC.
	26.00		.00	

"Seller represents that with respect to the production of the articles and/or the performance of the services covered by this invoice, it has fully complie[illegible] Fair Labor Standards Act of 1938, as amended."

Johnson Division
Universal Oil Products Company
P. O. Box 3118 • St. Paul, Minnesota 55101
612 • 646-1341
uop

DUPLICATE INVOICE

SOLD TO
D. L. MAHER COMPANY
BOS 127
NORTH READING, MA-01864

01-01-060

SALES TAX NO.

Offices and Factories At:
315 N. PIERCE ST., ST. PAUL, MINNESOTA 55104
JESSUP ROAD AT U.S. 130, THOROFARE, NEW JERSEY 08086

SHIP TO
D. L. MAHER
C/O NELSON FRT. TERMINAL
WESTBORO, MASSACHUSETTS

PLEASE REFER TO THIS NUMBER ON ALL CORRESPONDENCE AND REMITTANCE ADVICE.

ORDER NUMBER	ORDER DATE	CUSTOMER ORDER NO.	DATE	SHIP VIA			INVOICE NUMBER	INVOICE DATE
NJ18746	8/7/72	15148	8/07/72	NELSON	8/09/72	PREPAID	3798	8/25/72

QUAN. ORD'D	NOMINAL DIAMETER IN INCHES	LENGTH IN FEET	SLOT SIZE	JOHNSON WELDED WELL SCREENS	QUANTITY SHIPPED	UNIT LIST	NET AMOUNT
				TO BILL YOU FREIGHT PER YOUR ABOVE ORDER NUMBER SHIPPED 8/09/72 AND BILLED ON OUR INVOICE NO. 3448 DATED 8/16/72.			
	92			TOTAL AMOUNT DUE			$ 12.31 T
				PLEASE SEND YOUR PAYMENT TO:			
				JOHNSON DIVISION, BOX 1514-A MINNEAPOLIS, MINNESOTA-55440			

J. J. Riley
PR 8-5-72
for file copy

"THE GOODS INVOICED HEREIN ARE WARRANTED TO HAVE BEEN PRODUCED IN COMPLIANCE WITH REQUIREMENTS OF THE FAIR LABOR STANDARDS ACT OF 1938" (FEDERAL WAGE AND HOUR LAW) AS AMENDED.

PLEASE PAY LAST AMOUNT IN THIS COLUMN

Johnson Division
Universal Oil Products Company
Jessup Road • Thorofare, New Jersey 08086
UOP

55-326
312

National Bank and Trust Company
of Gloucester County
Woodbury, New Jersey

No. 7965

Date August 22, 1972

Pay JOHNSON DIVISION 12 DOLS 31 CTS to the Order of

Amount $ 12.31

Johnson Division
Universal Oil Products Company

Nelson Freightways, Inc.
P. O. Box 356
Rockville, Connecticut 06066

Authorized Signature

⑈07965⑈ ⑆0312⑈0326⑆ 405⑈659⑈0⑈

Johnson Division
Jessup Road • Thorofare, New Jersey 08086

Date of invoice	Vendor invoice No.	Account number	Gross amount	Discount	Balance	Remarks
8/9/72	06-2158 53	41375			12.31	D. L. Maher Co. 18746

FREIGHTWAYS, INC.
GENERAL OFFICES
ROCKVILLE, CONNECTICUT 06066

THIS IS YOUR ONLY INVOICE
PLEASE RETURN REMITTANCE COPY

D.L. Maher
ORIGINAL FREIGHT BILL
06- 215853
DATE & SIN 8 9 72 T 18746

D.L. MAHER
C/O BOSTON FRT TERMINAL
WESTBORO MASS

JOHNSON UOP
JESSUP RD & U S 130
THOROFARE N J

	NELSON	C/L	C/L

FROM AT TRANSFER FROM AT Nelson Freightways INC.

PIECES	DESCRIPTION	WEIGHT	RATE	PREPAID	COLLECT
	DX TUBES STAINLESS STEEL WELL SCREENS	270	456	1231	

TO:

TERMINAL TO	RATE CLASS	SHIPPER	CONSIGNEE	CUSTOMER		WEIGHT GROUP	COMMODITY	SCHED. 9006		TOTAL	TOTAL
7A											

Universal Oil Products Company
P. O. Box 3118 · St. Paul, Minnesota 55101
612 · 646-1341
uop

DUPLICATE INVOICE

SOLD TO
D. L. MAHER CO.
BOX 127
NORTH READING, MA-01864

01-01-060

SALES TAX NO.

Offices and Factories At:
315 N. PIERCE ST., ST. PAUL, MINNESOTA 55104
JESSUP ROAD AT U.S. 130, THOROFARE, NEW JERSEY 08086

SHIP TO
D.L. MAHER
% NELSON FREIGHT TERMINAL
WESTBORO, MASSACHUSETTS

PLEASE REFER TO THIS NUMBER ON ALL CORRESPONDENCE AND REMITTANCE ADVICE.

ORDER NUMBER	ORDER DATE	CUSTOMER ORDER NO.	DATE	SHIP VIA			INVOICE NUMBER	INVOICE DATE
NJ18746	8/7/72	15148	8/7/72	NELSON	8/9/72	PREPAID	3448	8-16-72

QUAN. ORD'D	NOMINAL DIAMETER IN INCHES	LENGTH IN FEET	SLOT SIZE	JOHNSON WELDED WELL SCREENS	QUANTITY SHIPPED	UNIT LIST	NET AMOUNT
1	12	10.0	190	TYPE 304 STAINLESS STEEL SCREEN, STANDARD FITTINGS	1	985.60	
				DISCOUNT 25%	$ 985.60 S		739.20
				TERMS-NET SEPTEMBER 25, 1972 SAVE $ 14.78 IF PAYMENT IS POSTMARKED BY 9-10-72			739.20 T
				PLEASE SEND YOUR PAYMENT TO: JOHNSON DIVISION, BOX 1514-A MINNEAPOLIS, MINNESOTA-55440			
				FREIGHT WILL BE BILLED ON LATER INVOICE			

J. J. Riley
PR 8-5-72
file copy

"THE GOODS INVOICED HEREIN ARE WARRANTED TO HAVE BEEN PRODUCED IN COMPLIANCE WITH REQUIREMENTS OF THE FAIR LABOR STANDARDS ACT OF 1938" (FEDERAL WAGE AND HOUR LAW) AS AMENDED

PLEASE PAY LAST AMOUNT IN THIS COLUMN

Please pay from this invoice.

No statement will be sent unless requested.

MATERIAL and LABOR RECORD

JOB NAME: [illegible]

DATE: [illegible]

JOB LOCATION: J J Riley Pr 8-5-72

QTY.	DESCRIPTION OF MATERIAL	PRICE	AMOUNT
1	[illegible]		
	w/ [illegible]		25 00
	[illegible]		

LABOR RECORD	HOURS	RATE	AMOUNT
MECHANICS			
[illegible]			
HELPERS			

SIGNED

TOTAL 25 00

FORM 230 - NEW ENGLAND BUSINESS SERVICE, INC., TOWNSEND, MASS.

INVOICE

A 1½% PER MONTH or 18% PER ANNUM SERVICE CHARGE will be added to overdue balances.

INSULATION PRODUCTS
WINDOWS

MOYNIHAN NORTH READING LUMBER Inc.

QUALITY BACKED BY A DESIRE TO PLEASE

164 Chestnut St.
North Reading, Mass.

TEL. 664-3310
944-2227

Customer's Order No. _____ Date _____ 19__

Name _____

Address _____

SOLD BY	CASH	C. O. D.	CHARGE	ON ACCT.	MDSE. RETD.	PAID OUT	

QUAN	DESCRIPTION	PRICE	AMOUNT	
[illegible]	[illegible]		1	98
5	[illegible]		10	—
			11	98
	TAX			36
	TOTAL			[illegible]

All claims and returned goods MUST be accompanied by this bill.

503

D 8016

REC'D BY

FLATPARIT NRLA INC. ROCHESTER, N.Y.

PURCHASE ORDER

D. L. MAHER CO.

P.O. BOX 127 • NO. READING, MASS.

933-3210

NO 15391

THIS NUMBER MUST APPEAR ON INVOICE, B/L, BUNDLES, CASES, PACKING LISTS AND CORRESPONDENCE.

Bldg. PRG-5-72

Moynihan Lumber Co.
164 Chestnut St.
No Reading Mass. 01864

c/o Billing

DATE: 9/6/72

DATE WANTED:

TERMS: Moynihan Slip No. D 8016

F.O.B.:

SHIP TO: Pickup

SHIP VIA:

QUANTITY	DESCRIPTION	PRICE	AMOUNT
16'	5 1"x8"		
5	90 lb. Bags Sand Mix		

BY Don Murphy

FORM 1590. REGENT FORMS, PENNSAUKEN, N.J. 08109

PURCHASE ORDER

D. L. MAHER CO.

P.O. BOX 127 • NO. READING, MASS.

933-3210

NO 15391

THIS NUMBER MUST APPEAR ON INVOICE, B/L, BUNDLES, CASES, PACKING LISTS AND CORRESPONDENCE.

Riley's PR 8-5-72

Moynihan Lumber Co.
164 Chestnut St.
No Reading Mass. 01864

Continuing

DATE: 9/6/72

DATE WANTED:

TERMS: Moynihan Slip No. D 8016

F.O.B.:

SHIP TO: Pickup

SHIP VIA:

QUANTITY	DESCRIPTION	PRICE	AMOUNT
16'	of 1"x8"		
5	90 lb. Bags Sand Mix		

ACKNOWLEDGMENT

PLEASE SIGN AND RETURN IMMEDIATELY

ACCEPTED BY (SIGNATURE)

BY Don Murphy

SHIPPING DATE PROMISED

FORM 1550. REGENT FORMS, PENNSAUKEN, N.J. 08109

RECEIVED
OCT 3 1972
D. L. MAHER CO.

NORTH WOBURN MACHINE COMPANY, INC.

10 NICHOLS STREET
WOBURN, MASSACHUSETTS 01801
GENERAL MACHINISTS - WELDERS

933-1163

DATE Oct. 1, 1 972 197

D. L. Maher Co.

Sept	5	Order #15389		
		6 ft. 3/8 X 3" Flat	4	14
		6 ft. 1/2 X 3" Flat	5	58
			9	72
		Sales tax		17
			9	89

J.J. Riley
PR 8-5-72

O.K.
O.P.M.

PURCHASE ORDER

D. L. MAHER CO.

P.O. BOX 127 • NO. READING, MASS.

933-3210

No 15389

THIS NUMBER MUST APPEAR ON INVOICE, B/L, BUNDLES, CASES, PACKING LISTS AND CORRESPONDENCE.

Ritwys PR5-5-72

DATE	9/6/72
DATE WANTED	
TERMS	No Wob. Mach. Slip No. 3965
F.O.B.	
SHIP VIA	

No Woburn Machine
Nichols St.
Woburn Mass. 01801

Confirming

SHIP TO Pickup

QUANTITY	DESCRIPTION	PRICE	AMOUNT
6'	3/8 x 3' Flat		
6'	1/2 x 3' Flat		

BY Dan Murphy

FORM 1590, REGENT FORMS, PENNSAUKEN, N.J. 08109

PURCHASE ORDER

D. L. MAHER CO.

P.O. BOX 127 • NO. READING, MASS.

933-3210

NO. 15389

THIS NUMBER MUST APPEAR ON INVOICE, B/L, BUNDLES, CASES, PACKING LISTS AND CORRESPONDENCE.

Riley's PR 8-5-72

No Woburn Machine
Nichols St.
Woburn, Mass. 01801

confirming

SHIP TO: Pickup

DATE: 9/6/72

DATE WANTED:

TERMS: No Wob. Mach. Slip No. 3965

F.O.B.:

SHIP VIA:

QUANTITY	DESCRIPTION	PRICE	AMOUNT
6'	3/8" x 3' Flat		
6'	1/2" x 3' Flat		

ACKNOWLEDGMENT

PLEASE SIGN AND RETURN IMMEDIATELY

ACCEPTED BY (SIGNATURE)

BY Don Murphy

SHIPPING DATE PROMISED

FORM 1590, REGENT FORMS, PENNSAUKEN, N.J. 08109

D. L. MAHER CO.

Daily Time Report

Date: Sept 18, 1972 Monday

Owner:

Job Site: J J Riley Job No. PR8-5-72

Truck No.	Total Mileage	Starting Time	Arrival Time at Job Site	From Lunch	To	Departure Time From Job Site	Arrival Time at Shop	Driving Time From Job Site	Total Allowed Travel Time	Total Job Site Time	Total Daily Time	
14	2	2:30	—			3:00	3:30	1/2	1	1/2	1 1/2	Paul Walker
	2	2:30	—			3:00	3:30	1/2	1	1/2	1 1/2	Tom McNeil

Work Performed

check pacing glued on new pumps

Materials moved on or off job

D. L. MAHER CO.

Daily Time Report

Date: Sept 5, 1972 Tuesday

Owner: Shop

Job Site: J. J. Riley Job No. PRS-5-72

Truck No.	Total Mileage	Starting Time	Arrival Time at Job Site	From Lunch	To	Departure Time From Job Site	Arrival Time at Shop	Driving Time From Job Site	Total Allowed Travel Time	Total Job Site Time	Total Daily Time	
15	6-30	10-	12	12-30	1 30		3	3 1/2	3	6 1/2		Paul Wilson
	7 00	10-	12	12 30	1 30			3	3	6		Tom [illegible]

Work Performed

Unload trucks, Load trucks - get all material ready to straight shafts - make up spools & [illegible]

Materials moved on or off job

D. L. MAHER CO.

Daily Time Report

Date: aug 9, 1972 Wednesday

Owner:

Job Site: Reilly's Tonawanda Job No. PR 8-5-72

Truck No.	Total Mileage	Starting Time	Arrival Time at Job Site	From Lunch	To	Departure Time From Job Site	Arrival Time at Shop	Driving Time From Job Site	Total Allowed Travel Time	Total Job Site Time	Total Daily Time	
		6 30		12	12 30	5				10	10	Paul Wilson

Work Performed

Weld 12" casing

Materials moved on or off job

D. L. MAHER CO.

Daily Time Report

Date: Sept 7, 1972 Thursday

Owner:

Job Site: JJ Pelly Job No. PR3-5-72

Truck No.	Total Mileage	Starting Time	Arrival Time at Job Site	From Lunch	To	Departure Time From Job Site	Arrival Time at Shop	Driving Time From Job Site	Total Allowed Travel Time	Total Job Site Time	Total Daily Time	
5	6 30	7 30	12	12 30		4	4 30	½	1½	8	9½	Paul Wilson
	6 30	7 30	12	12 30		4	4 30	½	1½	8	9½	Tom Marshall

Work Performed

finish pipe line & blow off pipe, grout 24 gal of pump pump to waste

Materials moved on or off job

D. L. MAHER CO.
Daily Time Report

Date: Sept 6, 1972

Owner:

Job Site: J & R Bldg

Job No. PR3-5-72

Truck No.	Total Mileage	Starting Time	Arrival Time at Job Site	From Lunch	To	Departure Time From Job Site	Arrival Time at Shop	Driving Time From Job Site	Total Allowed Travel Time	Total Job Site Time	Total Daily Time	
113	6:30	7:30	12	12:30	4:30	5:-	½	1½	8½	10		Paul Wilson
	6:30	7:30	12	12:30	4:30	5:-	½	1½	8½	10		Tom McNiel

Work Performed

set pumps + start dismantling pipe line – start making up 6" – spool pieces

Materials moved on or off job

D. L. MAHER CO.

Daily Time Report

Date: 8-24-72 Thursday

Owner:

Job Site: Riley Leather. Job No. PR 8-5-72

Truck No.	Total Mileage	Starting Time	Arrival Time at Job Site	From Lunch	To	Departure Time From Job Site	Arrival Time at Shop	Driving Time From Job Site	Total Allowed Travel Time	Total Job Site Time	Total Daily Time	
	6:30	7:00	—	—		11:00	11:00	—	1/2	4	4 1/2	G. Burns
	6:30	7:00	—	—		11:00	11:00	—	1/2	4	4 1/2	J. Gaglio

Work Performed

Took Boom Truck to job — to pick up load at job top down rig hooked up — moved Boom Truck back to yard — then moved 22-4 to shop.

Materials moved on or off job

D. L. MAHER CO.

Daily Time Report

Date: 8-23-72 Wednesday

Owner:

Job Site: Riley Heather

Job No. PRS-5-72

Truck No.	Total Mileage	Starting Time	Arrival Time at Job Site	From Lunch	To	Departure Time From Job Site	Arrival Time at Shop	Driving Time From Job Site	Total Allowed Travel Time	Total Job Site Time	Total Daily Time	
	5:30	6:00	—	—		2:00	2:30	1/2	1	8	9	C. Burns
	5:30	6:00	—	—		2:00	2:30	1/2	1	8	9	J. Coyle

Work Performed

Finished Sheets, no mill — Cutted pipe — Loaded Truck, returned Shop

Materials moved on or off job

D. L. MAHER CO.

Daily Time Report

Date: 8-22-72 Tuesday

Owner: Riley Lescher

Job Site: [illegible]

Job No. PR 8-5-72

Truck No.	Total Mileage	Starting Time	Arrival Time at Job Site	From Lunch	To	Departure Time From Job Site	Arrival Time at Shop	Driving Time From Job Site	Total Allowed Travel Time	Total Job Site Time	Total Daily Time	
	5:30	6:00	—	—		6:00	6:30	1/2	1	12	13	A. Flores
	5:30	6:00	—	—		6:00	6:30	—	1/2	12	12 1/2	J. Gonzalez

Work Performed

Cleaning up disc.

Materials moved on or off job

✓

D. L. MAHER CO.

Daily Time Report

Date: Aug 21, 1972 Monday

Owner:

Job Site: Riley Leather

Job No. DR 8-5-72

Truck No.	Total Mileage	Starting Time	Arrival Time at Job Site	From Lunch	To	Departure Time From Job Site	Arrival Time at Shop	Driving Time From Job Site	Total Allowed Travel Time	Total Job Site Time	Total Daily Time	
	5:30	6:00	—	—	6:00	6:30	1/2	1	12	13		G. Rice
	5:30	6:00	—	—	6:00	6:30	—	1/2	12	12½		J. Grant

Work Performed

Developing well — Gravelled well up to within 18" of top of casing

Materials moved on or off job

D. L. MAHER CO.

Daily Time Report

Date: 8-18-72 Friday

Owner: Riley Heather

Job Site: #1

Job No. PR 8-5-72

Truck No.	Total Mileage	Starting Time	Arrival Time at Job Site	From Lunch	To	Departure Time From Job Site	Arrival Time at Shop	Driving Time From Job Site	Total Allowed Travel Time	Total Job Site Time	Total Daily Time	
	6:45	7:30	—	—	4:30	5:00	1/2	1 1/4	9	10 1/4		G. Burn
	6:45	7:30	—	—	4:30	5:00	—	3/4	9	9 3/4		J. Gnagi

Work Performed

Opened up 201 — pulled 12" corrug. back 9'6" & started backfilling.

Materials moved on or off job

D. L. MAHER CO.

Daily Time Report

Date: 8-17-72 Thursday

Owner: Riley Leather

Job Site: #1

Job No. PR 8-5-72

Truck No.	Total Mileage	Starting Time	Arrival Time at Job Site	From Lunch	To	Departure Time From Job Site	Arrival Time at Shop	Driving Time From Job Site	Total Allowed Travel Time	Total Job Site Time	Total Daily Time	
	10:00	1:30	—	—		4:30	5:00	1/2	4	3	7	G. Burns

Work Performed

loaded truck — pulled gauge block & cut it down — medical aid funeral — did some grading

Materials moved on or off job

✓

D. L. MAHER CO.
Daily Time Report

Date: 8-10-72 Wednesday

Owner: Riley Leather

Job Site: #1

Job No. PR 8-5-72

Truck No.	Total Mileage	Starting Time	Arrival Time at Job Site	From Lunch	To	Departure Time From Job Site	Arrival Time at Shop	Driving Time From Job Site	Total Allowed Travel Time	Total Job Site Time	Total Daily Time	
	6:45	7:30	–	–	12:00	12:30	1/2	1 1/4	4 1/2	5 3/4		G. Grigg
	6:45	7:30	–	–	12:00	12:30	1/2	1 1/4	4 1/2	5 3/4		D. Gregg

Work Performed

loaded truck – set screen – set surge pipe made up screen.

Materials moved on or off job

D. L. MAHER CO.

Daily Time Report

Date: 8-15-72

Owner: Riley Leather

Job Site: #1

Tuesday

Job No. PR 8-5-72

Truck No.	Total Mileage	Starting Time	Arrival Time at Job Site	From Lunch	To	Departure Time From Job Site	Arrival Time at Shop	Driving Time From Job Site	Total Allowed Travel Time	Total Job Site Time	Total Daily Time	
	6:45	7:30	—	—		3:30	4:00	1/2	1 1/4	8	9 1/4	G. Burns
		7:30	—	—		3:30	4:00	—	3/4	8	8 3/4	J. Graziano

Work Performed

Welded up 12" casing - welded on guides - set casing + bailed in casing

Materials moved on or off job

D. L. MAHER CO.
Daily Time Report

Date: 8-14-72 Monday
Owner: Riley Leather
Job Site: C#1
Job No. PR8-5-72

Truck No.	Total Mileage	Starting Time	Arrival Time at Job Site	From Lunch	To	Departure Time From Job Site	Arrival Time at Shop	Driving Time From Job Site	Total Allowed Travel Time	Total Job Site Time	Total Daily Time	
		10:30	11:00	—	—	2:00	2:30	1/2	1/2	3 1/2	4	G. Burke
		10:30	11:00	—	—	2:00	2:30	1/2	1/2	3 1/2	4	J. Graglia

Work Performed

Note; 10:30 - 11:00 Job time moving Rig.

Set up + unloaded

Materials moved on or off job

D. L. MAHER CO.

Daily Time Report

Date: Aug 11, 1972 Friday

Owner:

Job Site: Pilchuck Tower Job No. PR 8-5-72

Truck No.	Total Mileage	Starting Time	Arrival Time at Job Site	From Lunch	To	Departure Time From Job Site	Arrival Time at Shop	Driving Time From Job Site	Total Allowed Travel Time	Total Job Site Time	Total Daily Time	
	6:30	8:30	12	12:30		5:00	5:30	½	2½	8	10½	Paul Wilson
	6:30	8:30	12	12:30		5:00	5:30	½	2½	8	10½	Tom McNeil

Work Performed

Tool 12" + 24" casing - tried to break old foundation w/ shaft hammer - Rent hammer from No. Coast Rental

Set 24" casing - Set 36'-11" of 12" casing

Materials moved on or off job

D. L. MAHER CO.
Daily Time Report

Date: Aug 4, 1972 Friday

Owner:

Job Site: Ruby Tower Job No. PR3-5-72

Truck No.	Total Mileage	Starting Time	Arrival Time at Job Site	From Lunch	To	Departure Time From Job Site	Arrival Time at Shop	Driving Time From Job Site	Total Allowed Travel Time	Total Job Site Time	Total Daily Time	
	11 30	12	12	12 30		3	3 30	1/2	1	2 1/2	3 1/2	Paul Wilson
	11 30	12	12	12 30		3	3 30	1/2	1	2 1/2	3 1/2	Tom McBride
	11 30	12	12	12 30		3	3 30	1/2	1	2 1/2	3 1/2	George Burns

Work Performed

Pull 50hp pump return old to shop - pumping gravel

Materials moved on or off job

V

D. L. MAHER CO.
Daily Time Report

Date: Aug. 3-72 Thursday
Owner: J. J. Riley Co
Job Site: Wiaborn, Well #1 Job No. P 8-3-72

Truck No.	Total Mileage	Starting Time	Arrival Time at Job Site	From Lunch	To	Departure Time From Job Site	Arrival Time at Shop	Driving Time From Job Site	Total Allowed Travel Time	Total Job Site Time	Total Daily Time	
	2:30	2:30				4:30	—	—	—	2 hrs.	2 hrs.	J. O'Donnell

Work Performed

Inspecting pump. G.P.M off. J. Riley wants pump pulled & well inspected.

Materials moved on or off job

K Ney PR 10-10-73

INVOICE
5782
Page 2

D. L. MAHER CO.

P. O. BOX 127 • NO. READING, MASS. 01864
933-3210

J. J. Riley
Salem St.
Woburn, Mass.

INVOICE DATE	November 14, 1973
OUR ORDER NO.	PR10-10-73
YOUR ORDER NO.	
TERMS	net 30 days
F.O.B.	
SALESMAN	
SHIPPED VIA	

SHIPPED TO

PPD. OR COLL.

QUANTITY	DESCRIPTION	PRICE	AMOUNT
	Materials		
1	1-3/16" x 5'-0" line shaft with screen		74.00
1	1-3/16" line shaft coupling		11.00
1	1-7/16" I.D. rubber spider bearing		9.00
1	1/4" I. P. S. x 3/8" O. D. Compression adaptor		.60
4 rolls	electrical tape @ 2.50		10.00
	set of 3/8" packing		9.00
	TOTAL		$571.81

FORM 1440, REGENT FORMS, PENNSAUKEN, N.J. 08109

INVOICE

5732

Pd 11-27-73

D. L. MAHER CO.

P.O. BOX 127 • NO. READING, MASS. 01864

933-3210

INVOICE DATE: November 14, 1973

OUR ORDER NO.: PR10-10-73

YOUR ORDER NO.:

TERMS: net 30 days

F.O.B.:

SALESMAN:

SHIPPED VIA:

J. J. Riley's
Salem St.
Woburn, Mass.

SHIPPED TO:

PPD. OR COLL.:

QUANTITY	DESCRIPTION	PRICE	AMOUNT
	11-7-73		
	Pulled pump - one spider bearing burnt out - one 5' line shaft broke at pump - brought pump back to the shop, straightened shafts - put in new spider bearing, replaced shaft and started setting the pump.		
	Serviceman		
	8 hours including travel @11.55		92.40
	1 hour overtime @14.44		14.44
	Helper		
	8 hours including travel @ 9.98		79.84
	1 hour overtime 12.08		12.08
	Hydraulic Rig		110.25
	Mileage 28 miles @ .15		4.20
	11-8-73		
	Finished setting pump - wired motor - ran pump		
	Serviceman		
	4 hours including travel @11.55		46.20
	Helper		
	4 hours including travel @ 9.98		39.92
	Hydraulic Rig		55.13
	Mileage 25 miles @.15		3.75

FORM 1440, REGENT FORMS, PENNSAUKEN, N.J. 08109

MAHER SUPPLY CORPORATION

P.O. BOX 127 • CONCORD ST.
NO. READING, MASS. 01864
(617) 935-6049

INVOICE

330

INVOICE DATE: November 14, 1973

OUR ORDER NO.: J. J. Riley

YOUR ORDER NO.:

TERMS: Net 30 days

F.O.B.:

SALESMAN:

SHIPPED TO:

D.L. Maher Company

SHIPPED VIA:

PPD. OR COLL.:

QUANTITY	DESCRIPTION	PRICE	AMOUNT
1	1-3/16" x 5'-0" line shaft w/sleeve		
1	1-3/16" line shaft coupling		
1	1-7/16" I. D. rubber spider		
	TOTAL		$80.00

J. J. Riley
PR 10-10-73
job file copy

FORM 1660, REGENT FORMS, PENNSAUKEN, N.J. 08109

D. L. MAHER CO.
Daily Time Report

Date: 11-8-73

Owner: RILEY LEATHER

Job Site: WOBURN

Thursday

Job No. PR 10-10-73

Truck No.	Total Mileage	Starting Time	Arrival Time at Job Site	From Lunch	To	Departure Time From Job Site	Arrival Time at Shop	Driving Time From Job Site	Total Allowed Travel Time	Total Job Site Time	Total Daily Time	
	7	7 30			11			1/2	3 1/2	4		Tom McNeil
	7	7 30			11			1/2	3 1/2	4		Charlie Mackie

Work Performed

finished setting pump - wired motor - ran pump

Materials moved on or off job

D. L. MAHER CO.

Daily Time Report

Date: 11-7-73

Owner: RILEY LEATHER

Job Site: WOBURN

Wednesday

Job No. PR 10-10-73

Truck No.	Total Mileage	Starting Time	Arrival Time at Job Site	From Lunch	To	Departure Time From Job Site	Arrival Time at Shop	Driving Time From Job Site	Total Allowed Travel Time	Total Job Site Time	Total Daily Time	
22	7	7:30	12:30	1		4:30	4:30	—	1/2	8 1/2	9	Tom McNeil
	7	7:30	12:30	1		4:30	4:30	—	1/2	8 1/2	9	Charlie Mackie

Work Performed

pulled pump - one spider bushing burnt out one 5' line shaft broke at pump - brought pump back to shop, straightened shafts - put in new spider bushing started setting pump

Materials moved on or off job

Kelly 1-25-60

Photo Copy

September 15, 1960

John J. Riley Co.
228 Salem Street
Woburn, Massachusetts

I N V O I C E

July 25, 1960 -	27 hours (3 men) Took Water sample to be analyzed - Set up Sin Pole - Pulled Pump	$ 130.68
July 26, 1960 -	21 hours (3 men) Set up Rig - Agitated Well	101.64
	Rig & Equipment - per day	40.00
July 27, 1960 -	18 hours (2 men) Put in Caustic Soda and Surged Well	87.12
	Rig and Equipment - per day	40.00
July 28, 1960 -	18 hours (2 men) Surging Well	87.12
	Rig and Equipment - per day	40.00
July 29, 1960 -	18 hours (2 men) Pumping out plug - fine sand, some gravel, also surging	87.12
	Rig and Equipment - per day	40.00
July 30, 1960 -	10 hours (2 men) Surging & Pumping Well clear of Caustic Soda	48.40
	Rig and Equipment - per day	40.00
August 1, 1960 -	14 hours (2 men) Added Weltone and Surged	67.76
	Rig and Equipment - per day	40.00
August 2, 1960 -	10 hours Surging Well and Pumping	48.40
	Rig and Equipment - per day	40.00
August 3, 1960 -	10 hours Surging Well and Pumping	48.40
	Rig and Equipment - per day	40.00
August 12, 1960	2 hours (1 man) Pulling 4" pipe	9.68
		$1036.32

(Over)

Glue Copy

September 15, 1960

John J. Riley Co. - Page 2

INVOICE

Amount Brot. Forward	$ 1036.32
August 20, 1960 - 17 hours (2 men) Setting Pump	82.28
Material	
20 lbs. Caustic Soda	13.30
1000 lbs. Weltone @ $55.00 per Cwt. =	550.00
2 - S. S. Pump Shafts perpared and metal sprayed with #1 S. S. (2 areas each) finished to 1.25 dia.	78.52
New S. S. Shaft 1-1/4" dia. x 62" long with left and right threaded ends	65.27
Total -	$ 1825.69

March 17, 1960

John J. Riley Company
228 Salem Street
Woburn, Massachusetts

Attention: Mr. John J. Riley Jr.

Gentlemen:

We are enclosing check in the amount of ten dollars ($10.00) to cover yearly rental for certain space alloted to the D. L. Maher Company for storing casings, etc.

Mr. Maher advised us to state that the responsibility for any loss of equipment from this rented space, or any accidents to our men or equipment incurred while on your property is wholly our responsibility.

We wish to thank you again for your kindness in making it possible for us to have this space at this time.

Very truly yours,

D. L. MAHER COMPANY

Robert J. Walsh
Vice President

RJW/hrb
encl.

Paid

Invoiced 4/29/60

Feb 18, 1960
Chemfab (8) Stopping + Starting pump in well
broke suction at 100 G.P.M

Feb. 19, 1960
Pumped Well and pulled
Water to lower level point
Dillman Pump on Pump - pumped 115 G.P.M

Labor - Truck Hire etc. Total - $82.28

Cost - 4.14

8228

Feb 18, 1960
Thursday

D. L. MAHER CO.

Woburn, Mass.

DAILY TIME REPORT

Riley's Tannery

Rate	Name	Hours	
	C. Murphy	8	Stopping & starting well well did not get more brake suction at all little over 2.00 g.p.m.

Comments

Equipment and material moved on or off job

Equipment and material needed

D. L. MAHER CO.

DAILY TIME REPORT

Feb 19, 1900 Riley Tanner

Rate	Name	Hours	
	Maher	9	Pumped well and pulled water to breaking point on pump. Pumped 115 gpm.

Comments

Equipment and material moved on or off job

Equipment and material needed

D. L. MAHER CO.

DAILY TIME REPORT

Job [illegible] Date [illegible]

Name	Hours	Hours on Job	Hours at Warehouse and to Job	Report of Work Done
[illegible]	9	9-3/4	1/4	[illegible]
[illegible]	9	9-3/4	1/4	[illegible]
[illegible]	9	9-3/4	1/4	
ame of Truck Driver FROM Job	Hours			

Comments

Equipment and material moved on or off job

Equipment and material needed

D. L. MAHER CO.

DAILY TIME REPORT

Job [illegible] Date [illegible]

Name	Hours	Hours on Job	Hours at Warehouse and to Job	Report of Work Done
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
				[illegible]
[illegible]		[illegible]	[illegible]	[illegible]
[illegible]	3	3		
ame of Truck Driver FROM Job	Hours			

Comments

Equipment and material moved on or off job

Equipment and material needed

D. L. MAHER CO.

DAILY TIME REPORT

b Ribys Tanner

Date July 27. 1960

Name	Hours	Hours on Job	Hours at Warehouse and to Job	Report of Work Done
C. Murphy	9	8	1	Putting caustic soda
T. Murphy	9	8	1	and sugar work.
me of Truck Driver FROM Job	Hours			
C. Murphy				

Comments

Equipment and material moved on or off job

Equipment and material needed

Thurs.

D. L. MAHER CO.

DAILY TIME REPORT

Job Riley Tannery

Date July 28, 1960

Name	Hours	Hours on Job	Hours at Warehouse and to Job	Report of Work Done
C. Murphy	9	9	5min	Surging well.
D. Murphy	9	9		~~20~~ with the caustic soda in it 60 pounds
Name of Truck Driver FROM Job	Hours			

Comments

Equipment and material moved on or off job

Equipment and material needed

D. L. MAHER CO.

Fri.

DAILY TIME REPORT

Job Riley's Tannery

Date July 29, 1960

Name	Hours	Hours on Job	Hours at Warehouse and to Job	Report of Work Done
C. Murphy	9	9	5 min	Pumping out pits of fine sand & some gravel also surging
T. O'Donnell	9	9		
ame of Truck Driver FROM Job	Hours			

Comments

Equipment and material moved on or off job

Equipment and material needed

D. L. MAHER CO.

DAILY TIME REPORT

Riley Tannery

Date July 30, 1960

Name	Hours	Hours on Job	Hours at Warehouse and to Job	Report of Work Done
C. Murphy	5	✓ 5	5 min	charging + pumping well
T. O'Donnell	5	✓ 5		clear of caustic soda.
me of Truck Driver FROM Job	Hours			

Time	draw down	6 x 4 Office
10.00	13"	19' 9"
10.30 AM.	13"	18' 6"
11.00	13"	19' 5"
11.30	13"	20' 0"

Comments Well pumping close to 14 G.P.M.

Equipment and material moved on or off job

Equipment and material needed

D. L. MAHER CO.

DAILY TIME REPORT

Mon.

Riley Tannery

Date Aug 1, 1960

Name	Hours	Hours on Job	Hours at Warehouse and to Job	Report of Work Done
C. Murphy	9	✓ 9	5 min	Added 3 drums of
D. Donahue	5	✓ 5		calgon mix, fired
				55 gal drums. surgeed
				well rest of day.
me of Truck Driver FROM Job	Hours			

Comments

Equipment and material moved on or off job

Equipment and material needed

Tues.

D. L. MAHER CO.

DAILY TIME REPORT

Job Riley Tannery

Date Aug 2, 1960

Name	Hours	Hours on Job	Hours at Warehouse and to Job	Report of Work Done
C. Murphy	9	✓ 9	5 min	ferging well and
J O'Donnell	1	✓ 1		pumping

Time	draw down STATIC	6X4 Orfice
7.30	4'2"	
8.00	15'2"	13"
9.00	18'4"	17½"
10.00	18'1"	15"
11.00	17'7"	14½"
1.00	16'11"	12"
2.00	18'0"	14"
3.30	19'0"	15"
4.00	18'10"	14½

Name of Truck Driver FROM Job | Hours

Comments drawn 18 gal. per ft.

Equipment and material moved on or off job

Equipment and material needed

D. L. MAHER CO.

Wed.

DAILY TIME REPORT

Job Riley's Tannery

Date Aug. 3, 1960

Name	Hours	Hours on Job	Hours at Warehouse and to Job	Report of Work Done
C. Murphy	9	✓ 9	5 min	Changed over to walking
T. O'Donnell	1	✓ 1		beam, and started
				surging well & pumping
				Static 4'7"
				11.30 to 12.00 stopped to
				get a reading, well
				down to 15'0" and orfice
				was 18" inches
Name of Truck Driver FROM Job	Hours			3:15 to 4:15 P.M.
				stopped surging

Time	Draw down	Orfice 6x4
3.15	15' 4"	19"
3.45	15' 7"	18 1/2"
4.00	15' 8"	18 1/2"
4.15	15' 9"	18 1/2"

Comments around 75 gal. per ft.

Equipment and material moved on or off job

Equipment and material needed

D. L. MAHER CO.

DAILY TIME REPORT

b Filing

Date Aug 12 1960

Name	Hours	Hours on Job	Hours at Warehouse and to Job	Report of Work Done
C. E. Porter	2	2		To Filing, To Mon 22-W
				Pull 4" Pipe -
me of Truck Driver FROM Job	Hours			

Comments

Equipment and material moved on or off job

Equipment and material needed

D. L. MAHER CO.

DAILY TIME REPORT

b WOBURN (Riley-Job) Date Aug. 20, 1960 (SAT)

Name	Hours	Hours on Job	Hours at Warehouse and to Job	Report of Work Done
		✓		Unload Diesel + 4" Cent Pump
A.E. Proctor	8½	6½	2	Load Tools and Gin Pole, etc.
C. Kelly	8½	✓ 6½	2	to set Pump at Riley's.
				Set Turbine at Riley's,
				with Gin Pole.
ame of Truck Driver FROM Job	Hours			

Comments

Equipment and material moved on or off job

Equipment and material needed

EXHIBIT

Maher #7

1.15.86 VMN

12 pages

Pg 2-4-07

D. L. MAHER CO.

P.O. BOX 274 • WOBURN, MASS.

933-3210

INVOICE

No. [illegible]

INVOICE DATE	[illegible]
OUR ORDER NO.	[illegible]
YOUR ORDER NO.	
TERMS	F. O. B.
SALESMAN	
SHIPPED VIA	PPD. OR COLL.

J. J. Riley Company

Salem St.

Woburn, Mass. 01801

SHIPPED TO

QUANTITY	DESCRIPTION	PRICE	AMOUNT
1	4 1/2" Direct reading Dwyer gauge		17.00
	Machine Work		
1	Cut 1 1/4 coupling and cut new long nut		13.00
	Then Line		
4 man hrs.		[illegible]	[illegible]

Pd 4/15/69

JOHN J. RILEY COMPANY

WOBURN, MASSACHUSETTS 01801

DATE	REFERENCE	AMOUNT	BALANCE	DISCOUNT
APR 11 69	4,467	794.08	794.08	

NCR PAPER PATENTED BY NCR CO.

ES-8261

REMITTANCE ADVICE

D. L. MAHER CO.

P.O. BOX 274 • WOBURN, MASS.

933-3210

INVOICE

No. [illegible] page 2

INVOICE DATE	March [illegible], 1960
OUR ORDER NO.	[illegible]
YOUR ORDER NO.	
TERMS	F.O.B.
	net 30 days
SALESMAN	
SHIPPED VIA	PPD. OR COLL.

[illegible] T. T. Riley Company
Salem St.
Woburn, Mass. 01801

PPED TO

QUANTITY	DESCRIPTION	PRICE	AMOUNT
	3/7/60 Set pump up to discharge head		
	Bunman		
8 hrs.		9.00	72.00
	Shubran		
[illegible] hrs.		9.00	72.00
	Milsom		
[illegible] mi.		.10	1.00
	3/10/60 Changed too column and repaired base		
	Bunman		
[illegible] hrs.		9.00	45.00
	Bunman		
[illegible] hrs.		9.00	45.00
	Milsom		
[illegible] mi.		.10	1.00
	3/21/60 Welded pipeline - put in gate valve Connected motor		
	Bunman		
[illegible] hrs.	Including travel	9.00	72.00
[illegible] hr	overtime	12.00	12.00
	Bunman		
[illegible] hrs.	Including travel	9.00	72.00
[illegible] hr.	overtime	12.00	12.00
	Materials		
1	21" x 1-3/4" S.S shaft - Threaded both ends		60.00
8	5/8 x 4" Sodium bar head bolts and nuts		2.40
16	5/8 x 2" Cap Screws		2.00
[illegible]	[illegible]		[illegible]

(continued)

1440: REGENT FORMS, PHILA., PA. 19139

D. L. MAHER CO.

P.O. BOX 274 • WOBURN, MASS.

933-3210

INVOICE

No. [illegible]

INVOICE DATE	March 27, [illegible]
OUR ORDER NO.	[illegible]
YOUR ORDER NO.	
TERMS	F.O.B.
SALESMAN	
SHIPPED VIA	PPD. OR COLL.

J. J. Riley Tannery
Salem St.
Woburn, Mass. 01801

PPED TO

QUANTITY	DESCRIPTION	PRICE	AMOUNT
	3/21/60		
	Remove No. 1 Pump		
	Duncan		
hrs.	Including travel	7.00	28.00
hrs.	over time	12.50	1[illegible].00
	Helper		
hrs.	Including travel	7.50	50.00
hrs.	over time	10.00	15.00
	Mileage		
mi.		.12	1.20
	3/24/60		
	Tolled up discharge head at plant		
	Duncan		
2 hrs.		7.00	14.00
	Helper		
2 hrs.		7.50	15.00
	Mileage		
10 mi.		.12	1.20
	3/6/60		
	Cut shaft coupling - took new shaft to Machine Shop		
	Fullman		
3 hrs.		9.00	27.00
	Duncan		
3 hrs.		9.00	27.00
	Duncan		
mi.		.12	1.20

(continued)

1440. REGENT FORMS, PHILA., PA. 19130

Well No. 1
Location W. Side of R.R. Tracks

D. L. MAHER CO.
RECORD OF TEST

Contract J. J. Riley
Orifice 6 x 4

8/6/68

Time	Draw Down	gpm	Press.	Remarks
	13'			Static
4pm	26'	305	80#	
		8/7/68		
7:15am	26'	305	80#	
8:30	26'	305	80#	
9:30	26'	305	80#	
10:30	26'	305	80#	13' Actual Draw down

The well shows Approximately 25+ gpm / FT. of Draw down

IT is also possible That The line leading To The plant is leaking.

WOBURN MACHINE COMPANY

201 MAIN ST., WOBURN, MASS.
TEL. 933-0330
AREA CODE 617

SOLD To

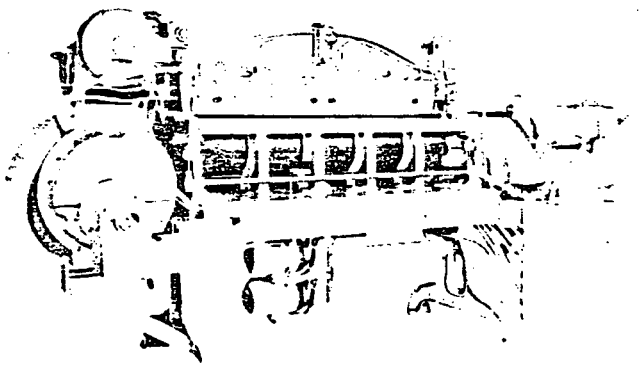
D. L. Maher Co.
P. O. Box 274
Woburn, Mass. 01801

DEPT. MS

INVOICE 17119

CUSTOMER'S ORDER NO.	DELIVERY SLIP NO.	TERMS	DATE
	S33325	1% 10 DAYS. NET 30 DAYS	4/7/69

DATE	OUR ORDER	DESCRIPTION	LABOR	MATERIAL	TOTAL
11	3661	Cut off your coupling and cut new keyway (J.J. Riley job)	15.50		
					15.50



SPLIT-O-MATIC

J J Riley
PR 2-4-69
for file copy

No goods may be returned without our written permission. 10% handling charge on all returned merchandise.

WOBURN MACHINE COMPANY

201 MAIN ST., WOBURN, MASS.
TEL. 933-0330
AREA CODE 617

SOLD TO

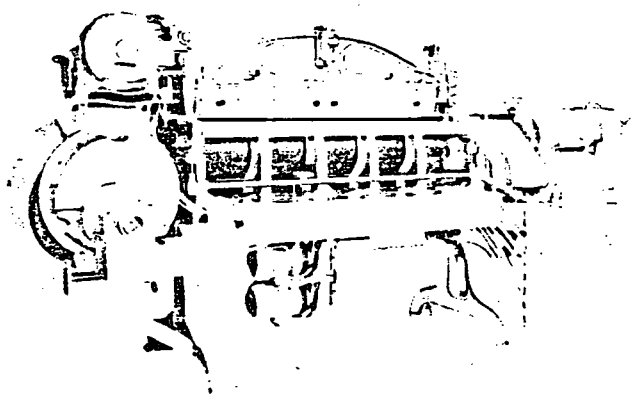
D. L. Maher Co.
P. O. Box 274
Woburn, Mass 01801

DEPT. MS

INVOICE 17120

STOMER'S ORDER NO.	DELIVERY SLIP NO.	TERMS	DATE
10888	S33273	1% 10 Days. Net 30 Days	4/7/69

DATE	OUR ORDER	DESCRIPTION	LABOR	MATERIAL	TOTAL
7	3597	Cut 5' from your 1¼" shaft and thread both ends as directed	15.50		
					15.50



SPLIT-O-MATIC

A. J. Riley
FR 2-4-69
put file copy

No goods may be returned without our written permission. 10% handling charge on all returned merchandise.

PRZ-4-69

D. L. MAHER CO.

DAILY TIME REPORT

Job J. J. Riely's ~~[illegible]~~

Date Feb 21-69

Name	Hours	Hours on Job	Hours at Warehouse and to Job	Report of Work Done
C Kelly	9½	9½		Pulling pump at
S Kelly	9½	8½	1	Riley's leather
				plant
Name of Truck Driver FROM Job	Hours			

Comments

Equipment and material moved on or off job

Equipment and material needed

D. L. MAHER CO.

DAILY TIME REPORT

Monday

Job T. J. Rielly's

Date 2/24/69

Name	Hours	Hours on Job	Hours at Warehouse and to Job	Report of Work Done
Denis Maher Sr.	9	1	8	Mr Maher and Steve
Steve Kelley	9	1	8	Kelly went to Rielly's
				to pickup Pump base
				and return it to shop)
				Started to snow
Name of Truck Driver FROM Job	Hours			

Comments

Equipment and material moved on or off job

Equipment and material needed

PR2-4-69

D. L. MAHER CO.

DAILY TIME REPORT

Job J. J. Riley Co Date March 6-69

Name	Hours	Hours on Job	Hours at Warehouse and to Job	Report of Work Done
J. O'Donnell	3	3		Cutting shaft coupling.
D. L. Maher	2	2		Took new shaft to
				Wab. Machine with old
				shaft to machine.
Name of Truck Driver FROM Job	Hours			

Comments

Equipment and material moved on or off job

Equipment and material needed

PR2-4-69

D. L. MAHER CO.

DAILY TIME REPORT

Job J. J. Riley Co. Date March 7-69

Name	Hours	Hours on Job	Hours at Warehouse and to Job	Report of Work Done
J. O'Donnell	8	7	1	Setting pump up to
D. L. Maher	8	7	1	discharge head.
ame of Truck Driver FROM Job	Hours			

Comments

Equipment and material moved on or off job

Equipment and material needed

PR 2-4-69

D. L. MAHER CO.

DAILY TIME REPORT

Watson Riley Leather Date Mar 10-69

Name	Hours	Hours on Job	Hours at Warehouse and to Job	Report of Work Done
C Kelly	5	5		Changed Top Column
D L Maher	5	5		Cemented Bars
of Truck Driver FROM Job	Hours			

mments

uipment and material moved on or off job

uipment and material needed

PR 2-4-69

D. L. MAHER CO.

DAILY TIME REPORT

Woburn Riley Leather Date Mar 11-69

Name	Hours	Hours on Job	Hours at Warehouse and to Job	Report of Work Done
C Kelly	9	8	1	Welded pipeline put
D L Maher	9	8	1	in gate Valve in line
				hooked up motor finished
				cementing base had Top
				Chuck cut at Wob
				machine
f Truck Driver FROM Job	Hours			

mments

uipment and material moved on or off job

uipment and material needed

Ex. 8
Maher dep.
1/15/86

September 15, 1960

John J. Riley Co.
223 Salem Street
Woburn, Massachusetts

INVOICE

July 25, 1960 -	27 hours (3 men) Took Water sample to be analyzed - Set up Rig - Pulled Pump	$ 130.68
July 26, 1960 -	21 hours (3 men) Set up Rig - Agitated Well	101.64
	Rig & Equipment - per day	40.00
July 27, 1960 -	18 hours (2 men) Put in Caustic Soda and Surged Well	87.12
	Rig and Equipment - per day	40.00
July 28, 1960 -	18 hours (2 men) Surging Well	87.12
	Rig and Equipment - per day	40.00
July 29, 1960 -	18 hours (2 men) Pumping out plug - fine sand, some gravel, also surging	87.12
	Rig and Equipment - per day	40.00
July 30, 1960 -	10 hours (2 men) Surging & Pumping Well clear of Caustic Soda	48.40
	Rig and Equipment - per day	40.00
August 1, 1960 -	14 hours (2 men) Added Weltone and Surged	67.76
	Rig and Equipment - per day	40.00
August 2, 1960 -	10 hours Surging Well and Pumping	48.40
	Rig and Equipment - per day	40.00
August 3, 1960 -	10 hours Surging Well and Pumping	48.40
	Rig and Equipment - per day	40.00
August 12, 1960	2 hours (1 man) Pulling 4" pipe	9.68
		$1036.32

(Over)

September 15, 1960

John J. Riley Co. - Page 2

INVOICE

Amount Brot. Forward	$ 1936.32
August 20, 1960 - 17 hours (2 men) Setting Pump	82.28
Material	
20 lbs. Caustic Soda	13.30
1000 lbs. Woltone @ $55.00 per Cwt. =	550.00
2 - S. S. Pump Shafts perpared and metal sprayed with #1 S. S. (2 areas each) finished to 1.25 dia.	78.52
New S. S. Shaft 1-1/4" dia. x 62" long with left and right threaded ends	65.27
Total -	$ 1825.69

Ex. 9
Maher dep.
1/15/86

March 17, 1960

John J. Riley Company
228 Salem Street
Woburn, Massachusetts

Attention: Mr. John J. Riley Jr.

Gentlemen:

We are enclosing check in the amount of ten dollars ($10.00) to cover yearly rental for certain space alloted to the D. L. Maher Company for storing casings, etc.

Mr. Maher advised us to state that the responsibility for any loss of equipment from this rented space, or any accidents to our men or equipment incurred while on your property is wholly our responsibility.

We wish to thank you again for your kindness in making it possible for us to have this space at this time.

Very truly yours,

D. L. MAHER COMPANY

Robert J. Walsh
Vice President

RJW/hrb
encl.

Ex. 10 Maher dep. 1/15/86 ✓

COPY

D. L. MAHER CO.

August 27, 1968

J. J. Riley Co.
Salem Street
Woburn, Massachusetts 01801

Att: Mr. John J. Riley Jr.

Re: Wells No. 1 and 2

Gentlemen:

At your request our firm conducted performance tests on your existing gravel packed wells No. 1 and 2 with the following results.

Well No. 1. (Attached Pump Test Log)

This well was test pumped at a rate of 305 gallons per minute to waste with a pumping level of 26', or an actual drawdown of 13'±. At this rate it was determined that the well is capable of delivering approximately 25 GPM per foot of drawdown.

Well No. 1 is approximately 38' in depth, equipped with 12' of 24" screen (top set at 26'). Please note that the pumping level during our test was at the top of the screen.

On the original pumping test of the newly constructed well in April of 1945, the static water table was approximately 3' below the original ground level. The test was conducted at the rate of 410 GPM with an actual drawdown of 15', or a specific yield of 26 GPM per foot of drawdown.

The specific yield of the original test and the one recently performed are basically identical, with the exception that the static water level is approximately 10' lower now. This can be accounted

COPY

D. L. MAHER CO.

for by the fact that your No. 2 well is having an effect on the ground water table, and also the City has installed wells in the same general area and these, too, are affecting the water table.

In order to maintain the capacity of this No. 1 well, we recommend that the pumping level not exceed a depth of 25', or 1' above the top of the screen. Using a 25' pumping level, you should be able to realize a maximum capacity of approximately 275 GPM, provided the ground water table is not further affected by lack of precipitation and/or over pumping.

Well No. 2. (Attached Pump Test Log.)

The information obtained during this test was limited due to the fact that we could not measure the capacity, but could only obtain pumping levels.

This well is approximately 49'6" in depth, equipped with 15' of 24" screen (top set at 34'6").

Our first reading (14') was taken at 7:35 a.m. The pump was running at this time, but we presume that there was little or no demand on the system, so we are using this 14' figure as the static water level. During our tests we had a maximum pumping level of 30'6" below the head of the pump, or approximately 4' above the top of the well screen. The actual drawdown, considering that 14' is the correct static, was 16'6". Since we do not know the pumping rate at the time of the water level readings, we cannot establish whether the well has fallen off in capacity or not, but do know that the static water table in this site is also being affected.

If the 14' measurement is the correct static water level, the ground water table at this site has been lowered approximately 15'±.

In order to perform a true performance test on the well, it would be necessary to have the well shut down for a period of time, perhaps over a week end, so that we could get a true static water level. At this time we would install a temporary blow-off on the pump head and conduct a pump test measuring drawdown, capacity and pressures on the pump, while pumping to waste and not to the system.

COPY

D. L. MAHER CO.

We trust that we have covered everything, but should you desire any additional data please feel free to call.

Yours truly

D. L. MAHER CO.

Edward J. Maher
Vice President

EJM:ef
Encs.

Ex. 11
Meyers dep
1/15/86

Report of Tests Run on Well of J.J Riley Woburn

Re Opening of Old Well

6" Pipe 4" Orfice

Day	Date	Time	Back Pressure	Orf.	GPM	Draw Down
Tues	8/6/62	4 PM	80#	23"	305	11-13
Wed	8/7/62	7.15 AM	80#	23"	305	13'
"	" "	830 AM	80#	23"	305	13'
"	" "	930 AM	80#	23"	305	13'
"	" "	1030 AM	80#	23"	305	13'

At This Time I Think The old Well is quite well Balanced @ 300 GPM w/ 12-13 ~~[illegible]~~ Water Level Pumping Against 80# ~~[illegible]~~ Line Pre.

I also Think The Pipe leading to the Plant is Leaking

Well No. 2

Location E. Side of RR. Tracks

D. L. MAHER CO.

RECORD OF TEST

Contract J. J. Riley

Orifice No Capacity Test

Time	Pumping Level
9:45	30'-6"
9:50	29
9:55	29'-6"
10:00	22'
10:30	28'

US EPA ARCHIVE DOCUMENT

Well No. 2
Location E. Side of RR. Track

D. L. MAHER CO.
RECORD OF TEST

Contract J. J. Riley
Orifice No Capacity Tc:

8/3/68

Time	Pumping Level	Remarks
7:35 Am	14'	Pump was running (No Demand ?)
7:45	21'	
7:50	22'	
7:55	18'	No Flow meter
8	27'	
8:05	28'	
8:10	30'	
8:15	25'	
8:20	17'	
8:25	19'	Pump rate apparently Fluctuates with The demand in The plant.
8:30	23'	
8:35	26'	
8:40	30'	
8:45	30'	
8:50	29'	
8:55	25'	
9:00	28'	
9:05	27'	
9:10	28'	
9:15	25'	
9:20	28'	
9:25	28'	
9:30	29'	
9:35	29'6"	
9:40	30'6"	

US EPA ARCHIVE DOCUMENT

Report of Draw Down Conditions

New Well (Sub) of J. J Rivers Dotura

Tests Rad Wade [illegible]

All Times in the A.M

Time	Well Drawn Down To From top of Well	Time	Well Drawn Down To From top of Well
7:35	14'	9:20	28'
7:45	21'	9:25	28'
7:50	22'	9:30	29'
7:55	19'	9:35	29'6"
8:00	27'	9:40	30'6"
8:05	28'	9:45	30'6"
8:10	30'	9:50	29'
8:15	25'	9:55	29'6"
8:20	17'	10:00	27'
8:25	17'		
8:30	23'	10:30	28'
8:35	26'		
8:40	30'		
8:45	30'		
8:50	29'		
8:55	25'		
9:00	28'		
9:05	27'		
9:10	28'		
9:15	25'		

Dean Lincoln

Ex. 12 Maher dep 1/15/86

Well No. 1

Location W. Side of R.R. Tracks

D. L. MAHER CO.

RECORD OF TEST

Contract J. J. Riley

Orifice 6 x 4

8/6/68

Time	Draw Down	gpm	Press.	Remarks
	13'			Static
4pm	26'	305	80#	
		8/7/68		
7:15Am	26'	305	80#	
8:30	26'	305	80#	
9:30	26'	305	80#	
10:30	26'	305	80#	13' Actual Draw down

The well shows Approximately 25+ gpm / FT. of Draw down

IT is also possible That The line leading To The plant is leaking.

Ex. 13
Maher dep
1/15/86

Rileys

Sept 22, 1977

Thur 12:00 - 4:30 Set up rig + TIB
4:30 - 6:00 Pulling Pump

Sept 23, 1977

Fri 7:00 - 8:00 Load Truck Co. to Mann's for Chemicals
8:00 - 11:00 Pull Pump Put in Bleach
11:00 - 12:00 Set Surge Pipe
12:00 - 12:30 Lunch
12:30 - 4:00 Pump Bleach to waste
4:00 - 5:00 Put in Acid + Dry Surge
Well showing 28 G.P.F.

Sept 26, 1977

Mon. 7:00 - 8:00 Load Drill Bar
8:00 - 11:00 Put on Drill + Hook up 4" Pump
Adjust Clutches on rig
11:00 - 12:00 mid. Surge + Dry Surge

Sept 27, 1977

Tues 12:00 mid - 12:00 noon Surge + Dry Surge
12:00 - 4:00 Pull ~~Sur~~ Surge Pipe Take down TIB - Load Truck
Well showing 66 G.P.F.

Materials - 30 Gals Bleach - 200 lbs Acid

EXHIBIT
Maher #14
1.15.86 VW
20 pages

Orig.

T 1-5-81

INVOICE

7929

D. L. MAHER CO.
P. O. BOX 127 • CONCORD ST.
NO. READING, MA 01864
(617) 933-3219

 pd 2/12/81

INVOICE DATE	January 29, 1981
OUR ORDER NO.	T 1-5-81
YOUR ORDER NO.	
TERMS	Net 15 days
F.O.B.	
SALESMAN	
SHIPPED VIA	

J.J RILEY
Salem Street
Woburn, MA 01801

SHIPPED TO

PPD. OR COLL.

QUANTITY	DESCRIPTION	PRICE	AMOUNT
	2½" Test wells driven, sampled, and tested (Continued)		
	1-20-81		
	Loaded rig and samples and moved to the shop		
	Job Time 2½ hours		
	Test well work based on $625.00 per day of at least 8 hours per day on the job.		
	5.31 days @ $625.00		3,318.7
	MATERIALS		
84'	of 2½" Test pipe @	3.85/ft.	323.4
2	Test Screens @	75.00/ea	150.0
	5% mass tax		23.1
	Total		$ 3,815.7

SERVICE CHARGE OF 1½% PER MONTH WILL BE MADE ON ALL BALANCES EXCEEDING 45 DAYS.

M 14405. REGENT FORMS. BELLMAWR, N. J. 08031

INVOICE

7929

D. L. MAHER CO.

P. O. BOX 127 • CONCORD ST.
NO. READING, MA 01864
(617) 933-3210

INVOICE DATE	January 29, 1981
OUR ORDER NO.	T 1-5-81
YOUR ORDER NO.	
TERMS / F.O.B.	Net 15 days
SALESMAN	
SHIPPED VIA	

J.J RILEY
Salem Street
Woburn, MA 01801

PPED TO

PPD. OR COLL.

QUANTITY	DESCRIPTION	PRICE	AMOUNT
	2½" Test wells driven, sampled, and tested		
	1-13-81		
	Well No. 81-1 Drove 2½" pipe to 21' washed out drove to 26' and hit refusal. Pulled out		
	Job time 9½ hours		
	1-14-81		
	Well 81-2 Drove well down to 21' washed out drove and washed to 49'0" washed every 7'		
	Job Time 9½ hours		
	1-15-81		
	Drove and washed well 81-3 to 56', Refusal Pulled well back to 49' and set a 40 slot screen and pump 20 gpm @ 26" vacuum. Moved rig over beside swamp, drove and washed well 81-3 to 28'.		
	Job Time 9½ hours		
	1-16-81		
	Drove and washed 81-3 to 57'0" Refusal pulled back to 49' set a 40 slot screen. Developed and pumped 50 GPM @ 22" vacuum		
	Job Time 9 hours.		
	1-19-81		
	Drove and washed an observation well beside 81-3 2' on center and set a 30 slot screen. Developed and pumped. Moved rig over and pulled well 81-3 with screen Pump test 81-3 for 4 hours.		
	Job Time 11 hours		

M 14405. REGENT FORMS. BELLMAWR, N.J. 08031

COPY

D. L. MAHER CO.

GROUND WATER DEVELOPMENT

1941 — 1981
SERVING YOU FOR 40 YEARS
THANK YOU

P.O. BOX 127 • 71 CONCORD STREET • NORTH READING • MA 01864 • 617/933-3210

February 12, 1980

J.J. Riley
Salem ST
Woburn, MA 01801

Att: Mr. Jack Riley

Dear Jack:

On January 13, 1981, we began testing by driving and washing 2½" pipe on the easterly side of the railroad track. Wells were driven at three locations with the following results.

Well 81-1

This site was 300' north of the existing gravel packed well parallel with the railroad track. The well was driven to 26' through fine to coarse brown sand. Refusal was at 26', then the well was pulled.

Well 81-2

This site was located northeast from the existing well adjacent to the dirt road.

The material found was:

0 to 28'	Fine brown sand
28' to 35'	Fine to coarse brown sand with traces of clay
35' to 42'	Fine to coarse brown sand with traces of clay
42' to 49'	Fine to coarse brown sand with fine to medium gravel
49' to 56'	Fine to coarse brown sand with fine gravel

The well was pulled back to 49' and a 40 slot screen was set. The well pumped 20 GPM @ 26" vacuum. No observation well was driven and this well was removed after tests on 81-3.

Well 81-3

The site is located approximately 15-20' from the edge of the swamp, northeast from the existing well, east of the dirt road and sewer main.

The well was driven and washed to refusal at 57' through the following materials.

0 to 35'	Fine to coarse brown sand with traces of clay
35' to 42'	Fine to coarse brown sand, fine gravel with traces of clay
42' to 49'	Fine to coarse brown sand and fine to medium gravel
49' to 57'	Fine to coarse brown sand

The well was pulled back to 49' and a 30 slot screen was set. The well pumped 50 GPM @ 21" vacuum. An observation well was driven to 49', two feet from well 81-3. A 30 slot screen was set.

Well 81-3 was test pumped at 50 GPM with a drawdown in the observation well of 1 foot 4 inches, a specific capacity of 37 GPF.

On January 23, 1981, the existing well was pumped at 586 GPM for an hour fifteen minutes. Well 81-3 had a drawdown of 6".

After analyzing the material and studying the test results, we recommend and propose the following:

To furnish all equipment, labor, and materials to construct a 24" x 18" gravel packed well to a depth of 49' with 10' of stainless steel well screen. Developed and test pumped for one hour.

The well will have a capacity of up to 700 GPM as determined by the pump test.

PRICE: $ 40,600.00

Not included: Site preparation, permits, access across MDC right of way, taxes, structures.

The pumping equipment would be sized after the pumping test, but ad budget figure could be $17,000.00 to duplicate what you presently have. An alternate would be a turbine pump at approximately $11,000.00. Neither price includes installation, an additional $1,500.00.

Not included: Discharge gate valve, check valve, electrical, structures, taxes.

On January 23rd the existing well was test pumped at 586 GPM for one hour fifteen minutes with a drawdown of 27'-6½" or a specific capacity of 21.3 gallons per minute per foot of drawdown (gpf). The well when originally installed showed 51 GPF after a 24 hour pump test. A similar test (1.25 hr.) in 1977 showed a capacity of 66 GPF after chemical treatment and redevelopment. During the test, grab samples were taken without any trace of sand. The well is plugged by either mineral encrustation, iron bacteria growth or sand locking and has fallen off 65% since 1977.

Immediate treatment would involve injecting chlorine into the well followed by 1000 gallons of water to push it into the formation. This if followed by muriatic acid and another 100 gallons of water. Let this stand overnight and then pump to waste. There is a good chance this will temporarily improve the GPM/ft. of drawdown. Two days would be sufficient to accomplish this treatment. Labor would be at the published service rates for chemical injection and setting up the discharge. Pumping to waste, monitoring PH and line neutralizing will be done by Riley personnel.

This treatment is at best a temporary solution that may improve the condition of the well. The more conventional method is to redevelop

the well using a drill rig, removing the pump, chemically treating and surging, tying the well up. This is similar to work performed when the well came back to the 66 GPF in 1977.

The plugging now evident appears to be caused by a rapid growth of either iron bacteria or iron on manganese encrustation formed in the formation immediately surrounding the well screen. This plugging further causes particles, which normally from time to time pass through the screen, to bridge and further plugging results.

The redevelopment with a drill rig not only cleans the immediate area of the screen, but further works the formation to break up this bridging of smaller particles. In practice most wells in unconsolidated materials with known iron analysis and bacterial growth tend to plug within 5 years. Some naturally last longer, some less, depending on many variables.

We cannot forecast the results, if any, of the chemical injection alone. Adding chlorine and muriatic acid is the manner we propose, does not require any removal of equipment nor the use of a drill rig. It will dissolve and break up some encrustation, but to what extent is not known. It is an immediate attempt with little time involved and the results could be beneficial.

In any case, the projected time it will retard the plugging is measured in months, not years. We suspect the well will re-plug rapidly to a condition that full redevelopment is necessary at some time in the near future.

The addition of a second well would reduce the burden thus the rapidity at which plugging occurs.

The submersible motors will be sent to L.A. after M.E.C. returns one they are inspecting. The accompanying pump will be dismantled, cleaned and inspected and then you will receive a written report of the condition and estimated repair costs. A 50HP exchange motor and cable are on order and are scheduled for the third week of March. Byron Jackson made a mistake when they said there were eight 220 volt motors - there were 400. We apologize for Byron Jackson's error and they will do everything to expedite the delivery.

I believe this covers everything, but should you have any further questions, please do not hesitate to call.

Sincerely,

D.L. MAHER CO.

Denis L. Maher Jr.

pag

D. L. MAHER CO.

LOG OF TEST WELL

Log of Well for J. J. Riley Test No. 81-1

Address Salem St

Well located at J. J. Riley in Wo Burn County, State of Mass.

Date Drilling started 1/13/81 Date Test Hole Completed 1/13/81

Total depth to bottom of Well 26' Diameter Test Hole 2 1/2"

Water stands when not pumping ..... feet ..... inches from the surface of the ground.

ACH RATUM	DEPTH OF STRATA	FORMATION FOUND EACH STRATUM
0' –	26'	Fine Brown Sand to Coarse Brown Sand
2	6'	"Re Fusal"

Did Well Clear Up?

How Long?

Time Pumped?

Drawdown Ft. In.

Capacity

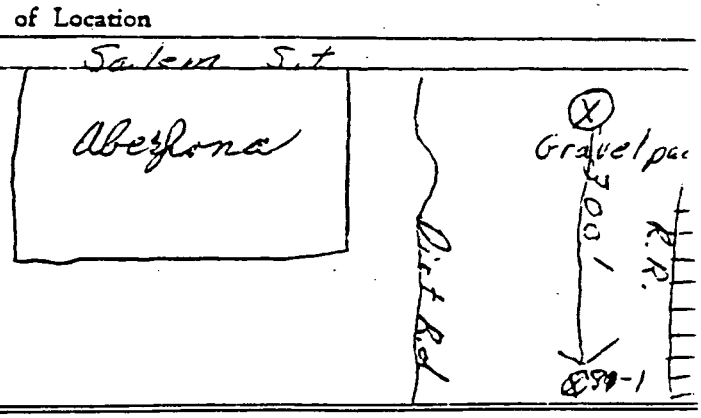
Time Required for Recovery?

Was Well Pulled? yes

Observation no What Depth?

Was Observation Well Pulled?

Map of Location



Remarks and opinion of Test pulled well out

Driller Fred Lawrence

Helpers Joe Anderson

D. L. MAHER CO.

LOG OF TEST WELL

Log of Well for J. J. Riley Test No. 81-2

Address Salem St.

Well located at J. J. Riley in Woburn County, State of Mass.

Date Drilling started 1/16/81 Date Test Hole Completed 1/17/81

Total depth to bottom of Well 56' Diameter Test Hole 2 1/2"

Water stands when not pumping 4' feet 7" inches from the surface of the ground.

EACH STRATUM	DEPTH OF STRATA	FORMATION FOUND EACH STRATUM
0' –	28'	Fine Brown Sand
28' –	35'	Fine Brown Sand to Coarse Sand and traces of Clay
35' –	42'	Fine Brown Sand to Coarse Sand and traces of Clay
42' –	49'	Fine Brown Sand to Coarse Sand and Fine to med Gravel
49' –	56'	Fine Brown Sand to Coarse Sand and Fine Gravel
56'		"Refusal"

Did Well Clear Up? yes

How Long? 3 1/2 hrs

Time Pumped? 1 hr

Drawdown Ft. In.

Capacity 20 GPM 26" Vac. at 49'

Time Required for Recovery?

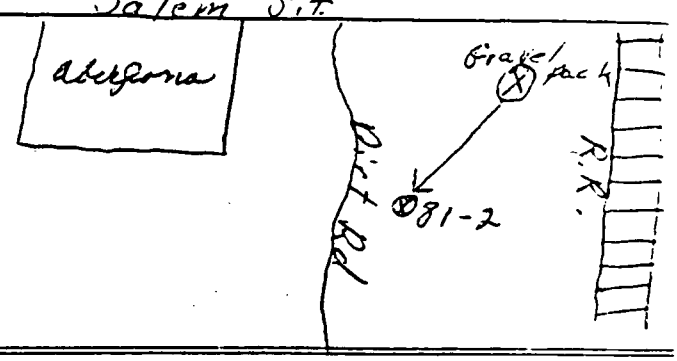
Was Well Pulled? no

Observation no What Depth?

Was Observation Well Pulled?

Map of Location

Salem St.



Remarks and opinion of Test pulled Well Back to 49' set a 40 slot screen. Well pumped 20 GPM 26" Vac.

Driller Fred Savoie

Helpers Joe Anderson

D. L. MAHER CO.

LOG OF TEST WELL

Log of Well for J. J. Riley Test No. 81-3-3A

Address J. J. Riley in Woburn

Well located at J. J. Riley in Woburn County, State of Mass.

Date Drilling started 1/15/81 Date Test Hole Completed 1/19/81

Total depth to bottom of Well 57' Diameter Test Hole 2 1/2"

Water stands when not pumping 1' feet 10" inches from the surface of the ground.

EACH RATUM	DEPTH OF STRATA	FORMATION FOUND EACH STRATUM
0'	35'	Fine Brown Sand and some Coarse and traces of Clay
35'	42'	Fine Brown Sand Coarse Sand and Fine Gravel and traces of Clay
42'	49'	Fine Brown Sand Coarse Sand and Fine to med Gravel
49'	57'	Fine Brown Sand and Coarse Sand
57'		"Refusal"

Did Well Clear Up? yes

How Long? 5 hrs Developing Time 9 hrs Total

Time Pumped? 3 hrs and 4 hr. pump Tes

Drawdown 1' Ft. 4" In.

Capacity 50 GPM 21" Vac at 49'

Time Required for Recovery? 1/2 hr.

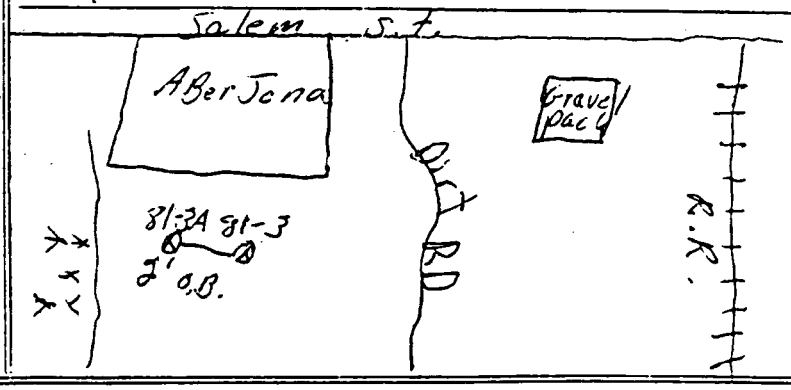
Was Well Pulled? no

Observation yes What Depth? 49'

50 GPM 22" at 49'

Was Observation Well Pulled? no

Map of Location



Remarks and opinion of Test pulled Well Back to 49' Refusal is 57' and O.B. well is 49' set a 30 slot screen in well and a 30 Slot screen in O.B 2' well and O.B. pumped 50 G.P.M

Driller Fred Lavoie

Helpers Joe Anderson

US EPA ARCHIVE DOCUMENT

File No 813

J. J. Riley 81-3
49'-57'

2½ inch well

1	Grams retained on No.	8	% Passed 99.50
2		10	.99
6		20	97
43		40	78.50
137		60	31.50
182		100	9
197		200	1.50
198		270	1

T. J. Riley 81-3
42 - 49

Grams retained on No.	1/4	% Passed
7		95.50
9	4	90.50
31	6	84.50
43	8	78.50
51	10	74.50
38	20	56
121	40	39.50
45	60	27.50
67	100	16.50
193	200	3.50
95	270	2.50
97	325	1.50

J. J. Riley 81-3
35'- 42

2	Grams retained on No.	3/8	% Passed 99
[illegible]		1/4	98
3		4	96
3		6	93.50
21		8	89.50
27		10	86.50
57		20	71.50
100		40	50
137		60	31.50
160		100	20
190		200	5
194		270	3
196		325	2

J. J. Riley 81-3

28' - 35'

Grams retained on No.		% Passed
2	8	99.50
7	10	99
56	20	96.50
43	40	72
76	60	28.50
194	100	12
196	200	3
197	270	2
	325	1.50

D. L. MAHER CO.

PREVENTIVE MAINTENANCE INSPECTION PROGRAM FOR WATER WELLS & PUMPING EQUIPMENT

Owner Riley's Location & Unit No. 23rd

Date of inspection Jan 81

PUMPING UNIT NOT RUNNING

1. Motor:

Name plate data:

Make ..... Serial No. ..... Horsepower .....

Speed ..... Type ..... Frame No. .....

Phase ..... Cycle ..... Volt .....

Full Load Amps .....

A: Change oil (grease) in upper and lower bearing reservoirs — Yes ..... No .....

Note: Once yearly or 2000 hrs., whichever occurs first.

B: Checked Non Reverse ratchet — Yes ..... No .....

C: Meggar Readings:

Ground to Leg

Leg 1 .....

Leg 2 .....

Leg 3 .....

Leg to Leg

Leg 1 to 2 .....

Leg 1 to 3 .....

D: Remarks .....

2. Right Angle Gear Drive
Name Plate Data:

Make ..... Serial No. .....

Model ..... Ratio .....

Brake Horsepower ..... Rpm .....

A: Change oil in reservoir ..... Yes ..... No

Note: Once yearly or 2000 hrs., whichever occurs first.

B: Greased fitting on flexible shaft ..... Yes ..... No

C: Remarks: .....

D. L. MAHER CO.

Daily Time Report

Date: 1/20/81

Owner: J. J Riley

Job Site: Woburn Mass.

Tuesday

Job No. T1-5-81

Truck No.	Total Mileage	Starting Time	Arrival Time at Job Site	From Lunch	To	Departure Time From Job Site	Arrival Time at Shop	Driving Time From Job Site	Total Allowed Travel Time	Total Job Site Time	Total Daily Time	
901		7:00	7:00	—	—	9:30	—	—	—	2½	2½	T. Lowe
		7:00	7:00	—	—	9:30	—	—	—	2½	2½	J. Anderson

Work Performed

loaded rig on truck and brought samples in to shop.

Materials moved on or off job

D. L. MAHER CO.

Daily Time Report

Date: 1/19/81

Owner: J.J. Riley

Job Site: Woburn Mass.

Monday

Job No. T1-5-81

Truck No.	Total Mileage	Starting Time	Arrival Time at Job Site	From Lunch	To	Departure Time From Job Site	Arrival Time at Shop	Driving Time From Job Site	Total Allowed Travel Time	Total Job Site Time	Total Daily Time	
3-1		7:00	7:00	—	—	6:00	6:00	—	—	11	11	H. Lavoie
		7:00	7:00	—	—	6:00	6:00	—	—	11	11	J Andrews

Work Performed

unloaded Truck Drove 2' o.B. at 81-3 Down to 49' and Wash out set a 30 slot screen and Develop and pump moved Rig over and pulled well # 81-2 and pulled screen and pumped well # 81-3 for 4 hrs. and loaded Truck.

Materials moved on or off job

D. L. MAHER CO.

Daily Time Report

ate: 1/16/81

wner: J. J. Riley

cb Site: Woburn

Friday

Job No. T1-5-81

Truck No.	Total Mileage	Starting Time	Arrival Time at Job Site	From Lunch	To	Departure Time From Job Site	Arrival Time at Shop	Driving Time From Job Site	Total Allowed Travel Time	Total Job Site Time	Total Daily Time	
	7:00	7:00	12:00	12:30		4:30	4:30	—	—	9	9	T. Lovoie
	7:00	7:00	12:00	12:30		4:30	4:30	—	—	9	9	J. Anderson

Work Performed

Unloaded Truck Drove from 28' to 57' and Wash
up every 7' pulled Back to 95' set a 40 Slot
screen and pulled Back 7' and Develop and pumped
and loaded Truck

Materials moved on or off job

D. L. MAHER CO.

Daily Time Report

te: 1/15/81 Thursday

ner: J.J. Riley

Site: Woburn

Job No. T1-5-81

uck lo.	Total Mileage	Starting Time	Arrival Time at Job Site	From Lunch	To	Departure Time From Job Site	Arrival Time at Shop	Driving Time From Job Site	Total Allowed Travel Time	Total Job Site Time	Total Daily Time	
	7:00	7:00	12:00	12:30		5:00	5:00	—	—	9½	9½	F. Lavoie
	7:00	7:00	12:00	12:30		5:00	5:00	—	—	9½	9½	J. Anderson

Work Performed

rove well Down to 56' pulled well Back to
9' and set a 40 slot screen and Develop and
umped moved rig over and Drove Down
o 21' and washout Drove well to 28'

Materials moved on or off job

D. L. MAHER CO.

Daily Time Report

ite: 1/14/81

Wednesday

wner: J.J. Riley

b Site: Woburn

Job No. T1-5-81

Truck No.	Total Mileage	Starting Time	Arrival Time at Job Site	From Lunch	To	Departure Time From Job Site	Arrival Time at Shop	Driving Time From Job Site	Total Allowed Travel Time	Total Job Site Time	Total Daily Time	
	7:00	7:00	12:00	12:30		5:00	5:00	—	—	9½	9½	T Lovoie
	7:00	7:00	12:00	12:30		5:00	5:00	—	—	9½	9½	J. Anderson

Work Performed

Trave well Down to 21' Washout Drove Down
to 49' and Washout every 7'

Materials moved on or off job

D. L. MAHER CO.

Daily Time Report

ate: 1/13/81

wner: J. J. Riley

ob Site: Woburn Mass.

Tuesday

Job No. T1-5-81

ruck No.	Total Mileage	Starting Time	Arrival Time at Job Site	From Lunch	To	Departure Time From Job Site	Arrival Time at Shop	Driving Time From Job Site	Total Allowed Travel Time	Total Job Site Time	Total Daily Time	
-1		7:00	7:00	12:00	12:30	5:00	5:00	—	—	9½	9½	F. Lowe
		7:00	7:00	12:00	12:30	5:00	5:00	—	—	9½	9½	G. Andre

Work Performed

Unloaded Truck Drove 2½" pipe Down to 21' Wash out Drove to 26' hit Refusal pipe was Driving Very hard pulled out 26' of 2½" pipe and loaded Truck.

Materials moved on or off job

Kilgo

PR 9-1-77

EXHIBIT
Maher #45
1.15.86 VTW
22 pages

D. L. BAKER CO.

P.O. BOX 127 • NO. READING, MASS. 01864

[illegible]

INVOICE

6881

pg.2 Pd 10/6/77

INVOICE DATE	September 28, 1977
OUR ORDER NO.	PR9-1-77
YOUR ORDER NO.	
TERMS	net 15 days
F.O.B.	
SALESMAN	
SHIPPED VIA	

John J. Riley Co.
Salem St.
Woburn, MA 01801

SHIPPED TO

PPD. OR COLL.

QUANTITY	DESCRIPTION	PRICE	AMOUNT
16 hrs. chine hrs.)		70.00	1,120.00
	9/28/77		
	7:30 to 2:00 Used pump rig to set pump		
6 hrs.	service man, including travel	16.00	96.0
6 hrs.	helper, including travel	14.25	85.5
	hydraulic rig		105.0
	2:00 to 5:00 Finished dismantling rig and moved to shop		
hrs. chine hrs.)		70.00	210.0
	Materials		
0 gals.	bleach @ $1.10		33.0
0 gals.	acid @ $1.25		312.5
1	8" ring gasket		2.0
4 rolls	tape		10.0
5'	3/4" SS Bandit		3.2
2	3/4" SS buckels		1.5
	TOTAL		$4,047.0

SERVICE CHARGE OF 1½%
PER MONTH WILL BE
MADE ON ALL BALANCES
EXCEEDING 45 DAYS.

FORM 1440, REGENT FORMS, PENNSAUKEN, N.J. 08109

INVOICE
6881

D. L. BARBER CO.
P. O. BOX 127 • NO. READING, MASS. 01864
[illegible]

INVOICE DATE	September 29, 1977
OUR ORDER NO.	PR9-1-77
YOUR ORDER NO.	
TERMS	net 15 days
F.O.B.	
SALESMAN	
SHIPPED VIA	

John J. Riley Co.
Salem St.
Woburn, M A 01801

SHIPPED TO

PPD. OR COLL.

QUANTITY	DESCRIPTION	PRICE	AMOUNT
	Redeveloping Well #2 Original yield: 51 gallons/foot of drawdown (51 GPF)		
	9/22/77 - 20 GPF		
	12:00 to 4:30 PM Set up the rig and jib 4:30 to 6:00 PM Started pulling the pump		
6 hrs. chine hrs.)		70.00	420.00
	9/23/77		
	7:00 to 8:00 AM Loaded the truck & went for chemicals 8:00 to 11:00 Finished pulling pump and added bleach with hydraulic rig		
3 hrs.	service man, including travel	16.00	48.00
3 hrs.	helper, including travel	14.25	42.75
	hydraulic rig		52.50
	11:00 to 12:00 Set surge pipe 12:30 to 4:00 Pumped bleach to waste 4:00 to 5:00 Added acid and dry surged		
5½ hrs. chine hrs.)	Well showing 28 GPF	70.00	385.00
	9/26/77		
	7:00 to 8:00 AM Loaded drill bar 8:00 to 11:00 AM Put on drill bar and hooked up pump 11:00 to midnight surge and dry surge		
16 hrs. chine hrs.)		70.00	1,120.00
	9/27/77		
	Midnight to noon Surge and dry surge 12:00 to 4:00 PM Pulled surge pipe and took jib down Well showing 66 GPF		

FORM 1440, REGENT FORMS, PENNSAUKEN, N.J. 08109

D. L. MAHER CO.

P.O. BOX 127 • NO. READING, MASS. 01864

[illegible]

INVOICE

6878

Pd 10/6/77

page 2

INVOICE DATE	September 23, 1977
OUR ORDER NO.	PR9-1-77
YOUR ORDER NO.	
TERMS	net 15 days
F.O.B.	
SALESMAN	
SHIPPED VIA	

John J. Riley Company
Salem Street
Woburn, MA 01801

SHIPPED TO

PPD. OR COLL.

QUANTITY	DESCRIPTION	PRICE	AMOUNT
. can	Scotch Kote		3.50
	TOTAL		$1,940.97

SERVICE CHARGE OF 1½% PER MONTH WILL BE MADE ON ALL BALANCES EXCEEDING 45 DAYS.

FORM 1440, REGENT FORMS, PENNSAUKEN, N.J. 08109

INVOICE
6873

D. L. [illegible] CO.
P.O. BOX 127 • NO. READING, MASS. 01864
[illegible]

INVOICE DATE: September 23, 1977
OUR ORDER NO.
YOUR ORDER NO.: DR9-1-77
TERMS: net 15 days
F.O.B.
SALESMAN
SHIPPED VIA

John J. Riley Company
Salem Street
Woburn, MA 01801

SHIPPED TO
PPD. OR COLL.

QUANTITY	DESCRIPTION	PRICE	AMOUNT
	9/6/77 - Pulled discharge column and cable. Pump and motor broken off. Returned to the shop for retrieving tool. Pulled pump and motor.		
8 hrs.	service man, including travel	16.00	128.00
8 hrs.	helper, including travel	14.25	114.00
	hydraulic rig		140.00
22 mi.	mileage	.28	4.20
	9/8/77 - Setting pump and motor.		
8 hrs.	service man, including travel	16.00	128.00
1 hr.	" overtime	19.50	19.50
8 hrs.	helper, including travel	14.25	114.00
1 hr.	" overtime	16.75	16.75
	hydraulic rig		140.00
15 mi.	mileage	.28	4.20
	9/9/77 - Run test on the well to determine yield, finished setting pump.		
5½ hrs.	service man, including travel	16.00	88.00
5½ hrs.	helper, including travel	14.25	78.38
	hydraulic rig		96.25
15 mi.	mileage	.28	4.20
9½ hrs.	Shop Labor - making fishing tool and wire splice	16.00	152.00
	Materials		
33'-0"	of 8" x blk steel pipe threaded both ends, extra heavy		528.51
2	8" x steel couplings, extra heavy		99.50
1	8" x 6" blk bushing extra heavy		11.44
1	6"x12" blk steel nipple extra heavy		33.44
1	8" ring gasket		2.00
2	1/8" brass plugs		.70
6 rolls	electrical tape		15.00
12	1/2" x 2" hex cap screws and nuts		6.00
8	3/4 x 3-1/2" " "		11.20
2 cans	pipe dope		2.20

FORM 1440, REGENT FORMS, PENNSAUKEN, N.J. 08109

TELEPHONE
617-20 44

Walden Industrial Supply Co.

910 MAIN STREET • WAKEFIELD, MASSACHUSETTS 01880

DUPLICATE INVOICE

CUSTOMER'S ORDER NO. AND DATE	REQUISITION	OUR ORDER NO	INVOICE DATE	DATE SHIPPED
125000		17483	9/23/77	9/8/77

SOLD TO
D. L. MAHER CO.
P.O. BOX 127
CONCORD ST.
NORTH READING, MA 01864

SHIP TO
SAME

SHIPPED VIA: CALL
SHIPPED FROM:
GROSS WEIGHT:
REMARKS:

TERMS: CASH DISCOUNT 1% 10 DAYS - NET 30
FOB:

QUANTITY SHIPPED	DESCRIPTION	LIST	EXTENSION	DISCOUNT	NET
1	8" X 6" BLK CI BUSHING	14.58	14.58	35	9.48
1	8" WROT STEEL COUPLING	49.45	49.45		
1	6" X 12" BLK STEEL NIPPLE	28.08	28.08		
			77.53	20	62.02
					71.50
		5% MASS SALES TAX			3.58
					75.08

J. J. Riley
PR 9-1-77
file copy

Jamesbury Ball Valves & Operators, Ashcroft Gauges, Thermometers, Regulators, Trane Fans, Unit Heaters, Steam Specialties, Rigid, Oster, Toledo-Beaver & Reed Die Stocks & Pipe Machines, Jenkins Bronze, Iron, Steel & Stainless Valves.

DUPLICATE INVOICE

GEORGE MANN & CO., INC.

MERCHANTS AND DISTRIBUTORS OF HEAVY CHEMICALS

OFFICE AND WAREHOUSE HARBORSIDE BOULEVARD
MUNICIPAL DOCK, PROVIDENCE, R.I. 02901
TEL 401-781-5600

105 CENTRAL STREET
STONEHAM, MASS. 02180
TEL 617-729-2910

1212 POST ROAD
FAIRFIELD, CONN. 06430
203 - 255-2857

END ALL REMITTANCES
TO P.O. BOX 1535
ROVIDENCE, R. I. 02901

D TO:
C L MAHER COMPANY
P O BOX 127
N. READING, MA.
01864

SHIP TO IF DIFFERENT FROM SOLD TO:

P DATE	CONTROL	INVOICE DATE	INVOICE NO.	ORDER NO.	CUST. NO.	SHIP VIA	SLSMN	TERMS
/23/77	1007	9/26/77	28357		35820	CUSTOMER CALL PPD	12	

TITY RED	QUANTITY SHIPPED	ITEM NUMBER	DESCRIPTION	WEIGHT	PRICE	PER	LESS %	CODE	AMOUNT
2	2	304052	MURIATIC ACID 20 TECH 500# DR	1000	.0805	P		2	80.50
	2	190422	CONTAINERS 55 GAL PE	2	50.00	E		2	100.00
2	2	112522	WILCLOR 2 15G DR	30	.88	G		2	26.40
	2	190392	CONTAINERS 15 GAL WILCLOR DRUMS	2	25.00	E		2	50.00
3	3	303722	MURIATIC ACID 20 DEG PE 500# DR	1500	.0805	P		2	120.75
	3	190112	CONTAINERS 55 GAL ACID PE DRUMS	3	50.00	E		2	150.00

J.J. Riley
PR9-1-77
file copy

CODE EXPLANATION		
D	M—THOUSAND	1—DELIVERED
N	T—TON	2—X STORE
ED	E—EACH	3—FOB WORKS

LOCATION 2

PAY THIS AMOUNT

527.65

tainers remain the property of the Seller and to guarantee their return a deposit is required. Containers returned in good condition within 90 days are to edited only to BUYER'S account and not to successors, assigns, receivers or trustees of BUYER.
A service charge of one percent (1%) per month will be assessed on all balances which extend beyond terms agreed to by our credit department.

NO DISCOUNT ALLOWED ON CONTAINERS

US EPA ARCHIVE DOCUMENT

METROPOLITAN PIPE AND SUPPLY CO.

DUPLICATE INVOICE

303 BINNEY ST. 617 - 492 - 6400 CAMBRIDGE, MASS. 02142

43494

CONTROL No.

PAGE ____ of ____

SOLD TO: 102 - 0 - TP
D. L. MAHER CO.
P. O. BOX 127
CONCORD STREET
NO. READING, MASS. 01864

SHIP TO: Same

SHIP VIA:

USE THIS NUMBER ON ALL REMITTANCES

DATE OF ORDER	DATE WANTED	DATE SHIPPED	CUSTOMER ORDER NO.	JOB NO.	ORDER WRITTEN BY	SALESMAN	INVOICE DATE	INVOICE NO.
7/7/77		7/8/77				102	9/12/77	14417

QUANTITY SHIPPED	QUANTITY ORDERED	DESCRIPTION	QUANTITY SHIPPED	LIST PRICE	DISCOUNT	NET
✓	2	8" Gally Cast Iron Pipe 33' Coated T.&.L.	1	437.96	NET	437.96
✓	1	8" Gally Cast Iron Fitted Pipe	1	41.20	NET	41.20

14 Mar

J. J. Riley
PRA 9-1-77
file copy

MERCHANDISE TOTAL	SALES TAX	FREIGHT	MISC.	INVOICE TOTAL
479.16	23.96	.00	.00	503.12

CUSTOMER SIGNATURE

TOTAL DAY THIS

Rileys

Sept 22, 1977

Thur 12:00 - 4:30 Set up rig + TIB.
4:30 - 6:00 Pulling Pump

Sept 23, 1977

Fri 7:00 - 8:00 Load Truck Go to MANNS for Chemicals
8:00 - 11:00 Pull Pump Put in Bleach
11:00 - 12:00 Set Surge Pipe
12:00 - 12:30 Lunch
12:30 - 4:00 Pump Bleach to Waste
4:00 - 5:00 Put in Acid + Dry Surge
Well showing 28 G.P.F.

Sept 26, 1977

Mon. 7:00 - 8:00 Load Drill Bar
8:00 - 11:00 Put on Drill + Hook up 4" Pump
Adjust Clutches on rig
11:00 - 12:00 mid. Surge + Dry Surge

Sept 27, 1977

Tues 12:00 mid - 12:00 noon Surge + Dry Surge
12:00 - 4:00 Pull ~~Sur~~ Surge Pipe Take down TIB - Load Truck
Well showing 66 G.P.F.

Materials - 30 GALS Bleach - 200 lbs Acid

D. L. MAHER CO.

Daily Time Report

Date: 9 Nov 77 Wednesday

Owner: Rileys

Job Site: Sub

Job No. Service

Truck No.	Total Mileage	Starting Time	Arrival Time at Job Site	From Lunch	To	Departure Time From Job Site	Arrival Time at Shop	Driving Time From Job Site	Total Allowed Travel Time	Total Job Site Time	Total Daily Time	
5-1												
0	930	945				1045	11	1/4	1/2	1	1 1/2	Tom Mitchell

Work Performed

went down to pole well had to wait for Charlie to get out of meeting

Materials moved on or off job

D. L. MAHER CO.

Daily Time Report

Saturday

e: 29 July 78

ner: Rulaye

Site: Shop

Job No. PR9-1-77

ck o.	Total Mileage	Starting Time	Arrival Time at Job Site	From Lunch	To	Departure Time From Job Site	Arrival Time at Shop	Driving Time From Job Site	Total Allowed Travel Time	Total Job Site Time	Total Daily Time	
		10 30				12					1 1/2	Tom McNeil
		10 30				12					1 1/2	Joe McNeil

Work Performed

filled motor with oil - extended balance tube

Materials moved on or off job

D. L. MAHER CO.

Daily Time Report

te: Sept 26, 1977 Monday

ner: Rileys

Site:

Job No. PR9-1-77

uck o.	Total Mileage	Starting Time	Arrival Time at Job Site	From Lunch	To	Departure Time From Job Site	Arrival Time at Shop	Driving Time From Job Site	Total Allowed Travel Time	Total Job Site Time	Total Daily Time	
2		7:00	8:00			7:00				12	12	S. Kelly
		7:00 A.M	8:00			11:00				4	4	T. McNeil
		7:00 P.M				12:00 Mid				5	5	T McNeil

Work Performed

Put on Drill Bar + Hook up 4" Pump
Adjust Cluches on rig

Materials moved on or off job

7:00 - 8:00 Load Drill Bar

#6878

D. L. MAHER CO.

Daily Time Report

Thursday

ate: 8 Sept 77
wner: Pelaya
b Site: #1

Job No. PPG-1-77

Truck No.	Total Mileage	Starting Time	Arrival Time at Job Site	From Lunch	To	Departure Time From Job Site	Arrival Time at Shop	Driving Time From Job Site	Total Allowed Travel Time	Total Job Site Time	Total Daily Time	
	9 30	10				6 30	6 30		1/2	8 1/2	9	Tom McNeil
	9 30	10				6 30	6 30		1/2	8 1/2	9	Jim McNeil

Work Performed

loading pipe on truck setting pump & motor. 35' of 4" pipe

Materials moved on or off job

#6878

D. L. MAHER CO.

Daily Time Report

Tuesday

ate: 6 Sept 77
wner: Rehage
ob Site: Well #1

Job No. PR 9-1-77

ruck No. 1-3	Total Mileage	Starting Time	Arrival Time at Job Site	From Lunch	To	Departure Time From Job Site	Arrival Time at Shop	Driving Time From Job Site	Total Allowed Travel Time	Total Job Site Time	Total Daily Time	
	7	7 30			11			1/2	3 1/2	4		Tom McNeil
	7	7 30			11			1/2	3 1/2	4		Joe McNeil
	1				5					4		Tom McNeil
	1				5					4		Joe McNeil

Work Performed

pulling pump column pump and motor fill off
1-5 pulling out pump and motor

Materials moved on or off job

#16878

D. L. MAHER CO.

Daily Time Report

Friday

ate: 9 Sept 77
wner: Pelanz
ob Site: well #1

Job No. PR9-1-77

ruck No.	Total Mileage	Starting Time	Arrival Time at Job Site	From Lunch	To	Departure Time From Job Site	Arrival Time at Shop	Driving Time From Job Site	Total Allowed Travel Time	Total Job Site Time	Total Daily Time	
-3	7	8				12 30			1	4 1/2	5 1/2	Tom McNeil
	7	8				12 30			1	4 1/2	5 1/2	Gene McNeil

Work Performed

setting fittings together to run test - run test
turned around discharge elbow and set valves

2-10 state 550 GPM 28'-2" Draw down

Materials moved on or off job

#6878

D. L. MAHER CO.

Daily Time Report

te: 8 Sept 77

Thursday

ner: Rehm

o Site: Shop

Job No. BR 7-1-77

uck No.	Total Mileage	Starting Time	Arrival Time at Job Site	From Lunch	To	Departure Time From Job Site	Arrival Time at Shop	Driving Time From Job Site	Total Allowed Travel Time	Total Job Site Time	Total Daily Time
	7					8:30				1 1/2	Tom Michael

Work Performed

[illegible] splice

Materials moved on or off job

6 of 7

D. L. MAHER CO.
Daily Time Report

Wednesday

ate: 7 Sept 77
wner: Rehage
b Site: Shop

Job No. PR9-1-77

Truck No.	Total Mileage	Starting Time	Arrival Time at Job Site	From Lunch	To	Departure Time From Job Site	Arrival Time at Shop	Driving Time From Job Site	Total Allowed Travel Time	Total Job Site Time	Total Daily Time
	7				11					4	Tom McNiel

Work Performed

they spent finding tool to just pump out — splicing [illegible] wires

Materials moved on or off job

#6878

D. L. MAHER CO.

Daily Time Report

ate: 6 Sept 77

Tuesday

wner: Rabyn

b Site: Shop

Job No. PR9-1-77

ruck No.	Total Mileage	Starting Time	Arrival Time at Job Site	From Lunch	To	Departure Time From Job Site	Arrival Time at Shop	Driving Time From Job Site	Total Allowed Travel Time	Total Job Site Time	Total Daily Time
	11					1				2	Tom McNeil
	11					1				2	Joe McNeil

Work Performed

welding up fushing trailer loading truck

Materials moved on or off job

D. L. MAHER CO.

Daily Time Report

Date: 28 SEPT 77 Wednesday

Owner: Riley's

Job Site: WELL #2

Job No. PR 9-1-77

Truck No. 1-3	Total Mileage	Starting Time	Arrival Time at Job Site	From Lunch	To	Departure Time From Job Site	Arrival Time at Shop	Driving Time From Job Site	Total Allowed Travel Time	Total Job Site Time	Total Daily Time	
0	7	7 30	11 30	12	5			½	9½	9½		Tom McNeil
	7	7 30	11 30	12	5			½	9½	9½		Steve Kelly

Work Performed

Brought Acid Barrels Back to Manns - Set motor pump 3' of 8" column - Ran pump and Adjusted Gate valve so Draw Down was 14' - 2-5 Foot Down Rig Picked up Packing Brought Rig Back to Shop Amps 125-175-130

Materials moved on or off job

1-8" Ring Gasket 4 Rolls Tape 5'-3/4 Banding 2 Buckles

2-7 30 Bringing Back Barrels

D. L. MAHER CO.

Daily Time Report

te: Sept 27, 1977

Tuesday

ner: Rileys

o Site:

Job No. PR9-1-77

uck No. 32	Total Mileage	Starting Time	Arrival Time at Job Site	From Lunch	To	Departure Time From Job Site	Arrival Time at Shop	Driving Time From Job Site	Total Allowed Travel Time	Total Job Site Time	Total Daily Time	
D	7:00	7:00				4:00	4:00			9	9	J. Kelly
	12 00 mid					8 00 P.M				8	8	T. McNeil
D	8					9				1	1	T McNeil
	12:00					4:00				4	4	T McNeil

Work Performed

Take out 6" Nipple out of Pump Surge + Dry Surge

Pull Surge pipe take down T.B

Materials moved on or off job

8:00-9:00 Grinding of Bushing AT Shop

D. L. MAHER CO.

Daily Time Report

ate: Sept 22, 1977 Thursday

wner: Rileys

b Site:

Job No. PR9-1-77

ruck No.	Total Mileage	Starting Time	Arrival Time at Job Site	From Lunch	To	Departure Time From Job Site	Arrival Time at Shop	Driving Time From Job Site	Total Allowed Travel Time	Total Job Site Time	Total Daily Time	
2		12:00	12:00			6:00	6:00			6	6	S. Kelly
		12:00	12:00			6:00	6:00			6	6	T. McNeil

Work Performed

Set up rig + TIB. - Start to Pull Pump

Materials moved on or off job

D. L. MAHER CO.

Daily Time Report

ate: Sept. 23, 1977 Friday

wner: Riley's

ob Site:

Job No. BR 9-1-77

Truck No. 2	Total Mileage	Starting Time	Arrival Time at Job Site	From Lunch	To	Departure Time From Job Site	Arrival Time at Shop	Driving Time From Job Site	Total Allowed Travel Time	Total Job Site Time	Total Daily Time	
0		7:00	8:00	12:00	12:30	5:00				9½	9½	S. Kelly
		7:00	8:00	12:00	12:30	5:00				9½	9½	T. McNeil

Work Performed

Pull Pump - Put in Bleach - Surge Bleach to Waste - Put in Acid

Materials moved on or off job

7:00-8:00 Load Truck Go to Manns for Chemicals

D. L. MAHER CO.

Daily Time Report

Wednesday

:e: 12 July 78

ner: Riley

) Site: Shop

Job No. PR9-1-77

ck o.	Total Mileage	Starting Time	Arrival Time at Job Site	From Lunch	To	Departure Time From Job Site	Arrival Time at Shop	Driving Time From Job Site	Total Allowed Travel Time	Total Job Site Time	Total Daily Time
		10.30				12					1½ Tom Mitchell

Work Performed

sand off old coupling and welded on new ½ coupling

Materials moved on or off job

EXHIBIT
Maher #16
1.15.86 VW
35 pages

INVOICE

7963

D. L. MAHER CO.
P. O. BOX 127 • CONCORD ST.
NO. READING, MA 01864
(617) 933-2210

PD 3/16/81

J.J. Riley Co.
Salem Street
Woburn, MA

INVOICE DATE	Febraury 27, 1981
OUR ORDER NO.	CW 2-12-31
YOUR ORDER NO.	
TERMS	Net 15 days
F.O.B.	
SALESMAN	
SHIPPED VIA	

SHIPPED TO

PPD. OR COLL.

QUANTITY	DESCRIPTION	PRICE	AMOUNT
90 gals.	Wilchor	1.35	121.50
250 gals.	Mureatic Acid	1.35	337.50
			755.1[illegible]
	M.E.C. inspection (expense) of 50 HP motor		100.00
	Total		$ ~~855.1[illegible]~~ 916.40

INTEREST
WILL BE
MADE ON ALL BALANCES
EXCEEDING 30 DAYS.

PM 14435. REGENT FORMS. BELLMAWR, N.J. 08031

INVOICE

7963

D. L. MAHER CO.

P. O. BOX 127 • CONCORD ST.
NO. READING, MA 01864
(617) 933-3210

INVOICE DATE	Febraury 27, 1981
OUR ORDER NO.	CW 2-12-81
YOUR ORDER NO.	
TERMS	Net 15 days F.O.B.
SALESMAN	
SHIPPED VIA	

J.J. Riley Co.
Salem Street
Woburn, MA

SHIPPED TO

PPD. OR COLL.

QUANTITY	DESCRIPTION	PRICE	AMOUNT
	February 13, 1981 Pick up acid and bleach to the site and unload Add 90 gallons bleach with H2O back flush added 250 gallons of acid.		
4.5 hrs.	Service man Including travelttime	24.50	110.
4.5 hrs.	Helper Including travel time	22.00	99.
14 mi.	Mileage	.70	9.
	February 17, 1981 Made 5" x 4" orifice with 2½ gate valve and fire hose fittings - installed disk in check valve and set up to pump to waste		
2.5 hr.	Service man Including travel time	24.50	61.
1.5 hr.	Helper Including travel time	22.00	33.
14 mi.	Mileage	.70	9.
	February 18, 1981 Spread 5 bags of lime and checked drawdown		
1 hr.	Service man Including travel time	24.50	24.
14 mi.	Mileage	.70	9.
	MATERIALS		

FORM 14405. REGENT FORMS, BELLMAWR, N.J. 08031

INVOICE
7999

D. L. MAHER CO.
P. O. BOX 127 • CONCORD ST.
NO. READING, MA 01864
(617) 933-3210

Pd 5/6

INVOICE DATE	March 30, 1981
OUR ORDER NO.	C82-12-81
YOUR ORDER NO.	
TERMS	net 15 days
F.O.B.	
SALESMAN	
SHIPPED VIA	

J.J. Riley Company
Salem ST
Woburn, MA 01801

SHIPPED TO

PPD. OR COLL.

QUANTITY	DESCRIPTION	PRICE	AMOUNT
	Installation of Submersible Pump		
	3/23/81 - Load equipment, pump, motor and install same.		
7½ hrs.	service man	24.50	183.75
6½ hrs.	helper	22.00	143.00
	Hydraulic rig		180.00
	Materials		
8	3/4" x 3½" bolts, nuts		12.00
2	8" gaskets		3.50
	TOTAL		$ 522.25

SERVICE CHARGE OF 1½%
PER MONTH WILL BE
MADE ON ALL BALANCES
EXCEEDING 45 DAYS.

FORM 14405. REGENT FORMS, BELLMAWR, N.J. 08031

INVOICE

7995

D. L. MAHER CO.
P. O. BOX 127 • CONCORD ST.
NO. READING, MA 01864
(617) 933-3210

pg.3

INVOICE DATE	March 27, 1981
OUR ORDER NO.	CW2-12-81
YOUR ORDER NO.	
TERMS / F.O.B.	net 15 days
SALESMAN	
SHIPPED VIA	

J.J. Riley Co.
Salem ST
Woburn, MA 01801

SHIPPED TO

PPD. OR COL

QUANTITY	DESCRIPTION	PRICE	AMOUNT
	24" well 55 ft. deep to top of vault		
	Static water level March 5 - 1' below surface plate March 20 - 7" above plate		
4 hrs.	Shop Labor - loading and unloading equipment	24.50	98.0
	TOTAL		9,165.5
		pa 5/4	6549.2 ~~2615.3~~
		pa 5/13	2616.2

[illegible]

FORM 14405. REGENT FORMS. BELLMAWR, N. J. 08031

INVOICE

7995

D. L. MAHER CO.
P. O. BOX 127 • CONCORD ST.
NO. READING, MA 01864
(617) 933-3210

pg.2

INVOICE DATE	March 27, 1981
OUR ORDER NO.	CW2-12-81
YOUR ORDER NO.	
TERMS	net 15 days
F.O.B.	
SALESMAN	
SHIPPED VIA	

J.J. Riley
Salem ST
Woburn, MA 01801

SHIPPED TO

PPD. OR COLL.

QUANTITY	DESCRIPTION	PRICE	AMOUNT
	3/13/81		
	6:30 to 8:00 load truck, went to Mann's for chemicals		
	8:00 to 12:00 hook up surge pipe, mix and add 1000 lbs. metaphos		
	12:00 to 3:00 dry surge		
	3:00 to 4:30 take rig down		
8½ machine hrs.		85.00	722.50
	3/16/81		
	7:00 to 9:00 set up rig		
	9:00 to 5:00 surge and dry surge - sand GPM - 250, 4 ft., GPF - 62		
.0 machine hrs.		85.00	850.00
	3/17/81		
	7:00 to 5:00 surge and dry surge - sand GPM - 250, D.D. 3'-8", GPF - 65		
.0 machine hrs.		85.00	850.00
	3/18/81		
	7:00 to 5:00 surge and dry surge - sand GPM - 250, D.D. 3'-8", GPF - 65		
.0 machine hrs.		85.00	850.00
	3/19/81		
	6:30 to 5:00 surge and dry surge - some sand GPM - 300, D.D. 4½' - GPF - 66		
.0½ machine hrs.		85.00	892.50
	3/20/81		
	6:30 to 7:00 unload truck		
	7:00 to 2:00 surge well GPM - 300, D.D. 4½', GPF - 66		
	2:00 to 4:00 take rig down, move to shop		
9 hrs.		85.00	765.00
	Additional materials used:		
1000 lbs.	metaphos @ $ 69.00/100#		695.00

FORM 14405. REGENT FORMS, BELLMAWR, N.J. 08031

INVOICE

7995

D. L. MAHER CO.
P. O. BOX 127 • CONCORD ST.
NO. READING, MA 01864
(617) 933-3210

INVOICE DATE	March 27, 1981
OUR ORDER NO.	CW2-12-81
YOUR ORDER NO.	
TERMS	net 15 days
F.O.B.	
SALESMAN	
SHIPPED VIA	

J.J. Riley
Salem ST
Woburn, MA 01301

IPPED TO

PPD. OR COLL.

QUANTITY	DESCRIPTION	PRICE	AMOUNT
	Well Maintenance and Redevelopment work completed.		
	3/5/81 6:30 to 9:30 unload and load truck 9:30 to 10:00 unload jib and drill bar at job site 10:00 to 11:00 went to Mann's for chemicals 11:00 to 4:30 pullppump with pump truck, put on 24" riser pipe, add 90 gallons bleach Previously billed.		
	3/6/81 6:30 to 7:00 load truck 7:00 to 10:00 set up rig and jib 10:00 to 12:00 add acid and metaphos 12:00 to 5:00 dry surge Previously billed.		
	3/9/81 6:30 to 7:00 load truck 7:00 to 8:00 set up rig 8:00 to 5:00 dry surge		
) machine	hrs.	85.00	850.0
	3/10/81 6:30 to 7:00 load truck 7:00 to 5:00 surge and dry surge - sand GPM - 340, D.D. - 6 ft., G.P.P. 56		
) machine	hrs.	85.00	850.0
	3/11/81 7:00 to 5:00 surge and dry surge - sand GPM - 340, D.D. - 6 ft., GPF - 56		
) machine	hrs.	85.00	850.0
	3/12/81 6:30 to 5:00 surge and dry surge - sand GPM - 340, D.D. - 6 ft., GPF - 56		
)½ machine	hrs.	85.00	892.5

RM 14405. REGENT FORMS. BELLMAWR, N.J. 08031

INVOICE

7986

D. L. MAHER CO.
P. O. BOX 127 • CONCORD ST.
NO. READING, MA 01864
(617) 933-3210

INVOICE DATE	March 12, 1981
OUR ORDER NO.	CW2-12-81
YOUR ORDER NO.	
TERMS	net 15 days
F.O.B.	
SALESMAN	
SHIPPED VIA	

J.J. Riley
Salem ST
Woburn, MA 01301

SHIPPED TO

PPD. OR COLL.

QUANTITY	DESCRIPTION	PRICE	AMOUNT
	Well maintenance and redevelopment work completed as of 3/6/81		
	3/5/81 - Picked up chemicals, pulled pump, added 24" riser to the well because of high water		
6 hrs.	service man (operated pump rig)	24.50	147.00
8 hrs.	foreman (22W)	24.50	196.00
1½ hrs.	" overtime	28.50	42.75
8 hrs.	helper	22.00	176.00
1½ hrs.	" overtime	25.50	38.25
	hydraulic rig		180.00
	3/6/81 - Set up rig and jib, added chemicals, backflushed, set surge pipe and dry surged		
½ machine	hrs.	85.00	807.50
	Shop Labor - loading and unloading equipment		
man hrs.		24.50	73.50
	Materials		
90 gals.	Wilclorz	1.35	121.50
50 gals.	muriatic acid	1.35	337.50
20#	metaphos	69.50	347.50
	TOTAL		$2,467.50

SERVICE CHARGE OF 1½%
PER MONTH WILL BE
MADE ON ALL BALANCES
EXCEEDING 45 DAYS.

RM 14405. REGENT FORMS. BELLMAWR, N. J. 08031

DUPLICATE COPY

SEND ALL REMITTANCES
TO P.O. BOX 9066
PROVIDENCE, R.I. 02940

GEORGE MANN & CO., INC.

MERCHANTS AND DISTRIBUTORS OF HEAVY CHEMICALS

OFFICE AND WAREHOUSE HARBORSIDE BOULEVARD
MUNICIPAL DOCK, PROVIDENCE, R.I. 02901
TEL. 401-781-5600

105 CENTRAL STREET
STONEHAM, MASS. 02180
TEL. 617-729-2910

2600 DIXWELL AVENUE
HAMDEN, CT. 06514
203-248-1840

SOLD TO:
D L MAHER COMPANY
P O BOX 127
N. READING, MA.
01864

SHIP TO IF DIFFERENT FROM SOLD TO:

SHIP DATE	CONTROL	INVOICE DATE	INVOICE NO.	ORDER NO.	CUST. NO.	SHIP VIA	SLSMN	TERMS
03/05/81	69201	03/05/81	36609	2190	35820	CUSTOMER PICKUP PPD	05	

QUANTITY ORDERED	QUANTITY SHIPPED	ITEM NUMBER	DESCRIPTION	WEIGHT	PRICE	PER	LESS %	CODE	AMOUNT
6	6	112522	WILCLOR 2 15G DR	90	.99	G		2	89.10
	6	19041D	CONT 15 GAL DEL	6	25.00	E		2	150.00
5	5	303712	MURIATIC ACID 20 DEG 500# DR PT	2500	.0785	P		2	196.25
	5	19043D	CONTAINERS 55 GAL PLASTI	5	50.00	E		2	250.00
5	5	123702	METAPHOS GRANULAR 100# BAG	500	55.50	C		3	277.50
			FRT. PROV.-READING	505	4.390	C			22.17

file copy
CW 2-12-81

VISIT US AT 1981 EXPO/PROVIDENCE
CIVIC CENTER, MAR 22-25, BOOTH 105

CODE EXPLANATION		
POUND	M—THOUSAND	1—DELIVERED
GALLON	T—TON	2—X STORE
HUNDRED	E—EACH	3—FOB WORKS

LOCATION 2

PAY THIS AMOUNT
965.02

Containers remain the property of the Seller and to guarantee their return a deposit is required. Containers returned in good condition within 90 days are to be credited only to BUYER'S account and not to successors, assigns, receivers or trustees of BUYER.
A service charge of one percent (1%) per month will be assessed on all balances which extend beyond terms agreed to by our credit department.

NO DISCOUNT ALLOWED ON CONTAINERS

PURCHASE ORDER

D. L. MAHER CO.

P. O. BOX 127 • NORTH READING, MA 01864

933-3210

NO. 2190

THIS NUMBER MUST APPEAR ON INVOICES, B/L, BUNDLES, CASES PACKING LISTS AND CORRESPONDENCE.

T.J. Billing 6-12-91

DATE 3/5/91

DATE WANTED

TERMS

F.O.B.

SHIP VIA

TO

George Mann Co

Billing

QUANTITY	DESCRIPTION	PRICE	AMOUNT
6	15 Gal Wilclor		
250	Muriatic		
500	lbs. Mutophos		

Tax Exempt

BY _____ AUTHORIZED SIGNATURE

FORM 15504, REGENT FORMS, BELLMAWR, N.J. 08031

DUPLICATE COPY

SEND ALL REMITTANCES
TO P.O. BOX 9066
PROVIDENCE, R.I. 02940

GEORGE MANN & CO., INC.

MERCHANTS AND DISTRIBUTORS OF HEAVY CHEMICALS

OFFICE AND WAREHOUSE HARBORSIDE BOULEVARD
MUNICIPAL DOCK, PROVIDENCE, R.I. 02901
TEL. 401-781-5600

105 CENTRAL STREET
STONEHAM, MASS. 02180
TEL. 617-729-2910

2600 DIXWELL AVENUE
HAMDEN, CT 06514
203-248-1840

LD TO:

D L MAHER COMPANY
P O BOX 127
N. READING, MA.

SHIP TO IF DIFFERENT FROM SOLD TO:

01864

IP DATE	CONTROL	INVOICE DATE	INVOICE NO.	ORDER NO.	CUST. NO.	SHIP VIA	SLSMN	TERMS
/13/81	69746	03/13/81	37368	2206	35820	CUSTOMER PICKUP PPD	05	NET

ITITY ERED	QUANTITY SHIPPED	ITEM NUMBER	DESCRIPTION	WEIGHT	PRICE	PER	LESS %	CODE	AMOUNT
10	10	123702	METAPHOS GRANULAR 100# BAG	1000	55.50	C		3	555.00
			FRT. F.O.B. PROV. RI-STONEHAM, MA	1010	4.390	C			44.34

file copy
J. J. Riley
C.W. 2-12-81

VISIT US AT 1981 EXPO/PROVIDENCE
CIVIC CENTER, MAR 22-25, BOOTH 106

CODE EXPLANATION		
OUND	M-THOUSAND	1-DELIVERED
GALLON	T-TON	2-X STORE
HUNDRED	E-EACH	3-FOB WORKS

LOCATION 2

PAY THIS AMOUNT
599.34

Containers remain the property of the Seller and to guarantee their return a deposit is required. Containers returned in good condition within 90 days are to be credited only to BUYER'S account and not to successors, assigns, receivers or trustees of BUYER.
A service charge of one percent (1%) per month will be assessed on all balances which extend beyond terms agreed to by our credit department.

NO DISCOUNT ALLOWED ON CONTAINERS

PURCHASE ORDER

D. L MAHER CO.

P. O. BOX 127 • NORTH READING, MA 01864

933-3210

N2 2208

THIS NUMBER MUST APPEAR ON INVOICES, B/L, BUNDLES, CASES PACKING LISTS AND CORRESPONDENCE.

Riley CW 2-12-81

DATE 3/13/81

DATE WANTED

TERMS

F.O.B.

SHIP VIA

George Mann Co.
105 Central St.
Stoneham, MA.

IP TO Continuing Pickup

QUANTITY	DESCRIPTION	PRICE	AMOUNT
1000	lbs Monophos Granular		
	Tax Exempt		

BY Dan Morrow
AUTHORIZED SIGNATURE

REGENT FORMS, BELLMAWR, N J 08031

CUSTOMER'S COPY

GINN OIL COMPANY

PETROLEUM PRODUCTS
57 WINN ST. - P. O. BOX 87
WOBURN, MASS. 01801
OFFICE AND PLANT - 933-6100
NEW OIL BURNER—SALES AND SERVICE

900 90

Date 3-11 19 81

Sold to O. R. Smaker

Address Kelly Park

CASH	CHARGE	REG. NO.
	X	

	Gals. Range Oil		
	" #2 Fuel Oil		
15	" Diesel	125	1875
	Gals. Gas - Reg.		
	" " - No Lead		
	" " - Ethyl		
	Qts. Oil		
	Received on Account		
	TAX		
	TOTAL		1875

No. 24692 Rec'd By

file copy

SEND ALL REMITTANCES
TO P.O. BOX 9066
PROVIDENCE, R.I. 02940

DUPLICATE COPY

GEORGE MANN & CO., INC.

MERCHANTS AND DISTRIBUTORS OF HEAVY CHEMICALS

OFFICE AND WAREHOUSE HARBORSIDE BOULEVARD
MUNICIPAL DOCK, PROVIDENCE, R.I. 02901
TEL. 401-781-5600

105 CENTRAL STREET
STONEHAM, MASS. 02180
TEL. 617-729-2910

2600 DIXWELL AVENUE
HAMDEN, CT. 06514
203-248-1840

SOLD TO:

D L MAHER COMPANY
P O BOX 127
N. READING, MA.

SHIP TO IF DIFFERENT FROM SOLD TO:

C1664

SHIP DATE	CONTROL	INVOICE DATE	INVOICE NO.	ORDER NO.	CUST. NO.	SHIP VIA	SLSMN	TERMS
2/12/81	67917	02/12/81	35403	2151	35620	CUSTOMER PICKUP PPD	05	

ANTITY DERED	QUANTITY SHIPPED	ITEM NUMBER	DESCRIPTION	WEIGHT	PRICE	PER	LESS %	CODE	AMOUNT
6	6	112522	WILCLOR 2 15G DR	90	.99	G		2	89.10
	6	190410	CONT 15 GAL DEL	6	25.00	E		2	150.00
5	5	303852	MURIATIC ACID 22 DEG PI 500# DR PI	2500	.0890	P		2	222.50
	5	190430	CONTAINERS 55 GAL PLASTI	5	50.00	E		2	250.00

file copy
c. w.
2-12-81

CODE EXPLANATION		
—POUND	M—THOUSAND	1—DELIVERED
—GALLON	T—TON	2—X STORE
—HUNDRED	E—EACH	3—FOB WORKS

LOCATION 2

PAY THIS AMOUNT
711.60

Containers remain the property of the Seller and to guarantee their return a deposit is required. Containers returned in good condition within 90 days are to be credited only to BUYER'S account and not to successors, assigns, receivers or trustees of BUYER.
A service charge of one percent (1%) per month will be assessed on all balances which extend beyond terms agreed to by our credit department.

NO DISCOUNT ALLOWED ON CONTAINERS

Rikeys

March 5, 1981	6:30-9:30	Unload + Load Truck.
	9:30-10:00	- Unload T.B + Drill Bar AT TOB Sight
	10:00-11:00	Went to MANDS for Chemicals
	11:00-4:30	Pull Pump with Pump Truck. - Put on 24" Nizer Pipe - Add 90 Gals Bleach
March 6, 1981	6:30-7:00	Load Truck
	7:00-10:00	Set up rig + T.B
	10:00-12:00	Add Acid + MetaFos
	12:00-5:00	Dry Surge
March 9, 1981	6:30-7:00	Load Truck
	7:00-8:00	Set up rig
	8:00-5:00	Dry Surge
March 10, 1981	6:30-7:00	Load Truck.
	7:00-5:00	Surge + Dry Surge G.P.M. 340 - DD - 6FT - G.P.F 56
Mar. 11, 1981	7:00-5:00	Surge + Dry Surge G.P.M 340 - DD - 6FT - G.P.F 56

Riley's

March 12, 1981 6:30-5:00 Surge + Dry Surge
G.P.M 340-DD-6FT-G.P.F56

March 13, 1981 6:30-8:00 Load Truck - Went to
Mann's for Chemicals
8:00-12:00 Hook up Surge Pipe
Mix + Add 1000 lbs
MetAFos
12:00-3:00 Dry Surge
3:00-4:30 Take rig down

March 16, 1981 7:00-9:00 Set up rig
9:00-5:00 Surge + Dry Surge
G.P.M 250-4FT-GPF62

March 17, 1981
7:00-5:00 Surge + Dry Surge
G.P.M 250-DD 3FT8"-GPF65

March 18, 1981 7:00-5:00 Surge + Dry Surge
G.P.M 250-DD 3-8" GPF.65

March 19, 1981 6:30-5:00 Surge + Dry Surge
G.P.M 300-DD 4½FT-GPF66

Riley's

March 20, 1981 6:30-7:00 Unload Truck.
7:00-2:00 Surge Well
GPM 300- DD 4½ - GPF 66
2:00-4:00 Take rig down
Move to Shop.

Meterials used
90 Gals Bleach
250 Gals Acid.
1500 lbs MetaFos

24" well.
55 FT. Deep to top of Valut

D. L. MAHER CO.

Daily Time Report

Date: 23 March 81

Owner: Rileys

Job Site:

Monday

Job No. CW 3-23-81

Truck No.	Total Mileage	Starting Time	Arrival Time at Job Site	From Lunch	To	Departure Time From Job Site	Arrival Time at Shop	Driving Time From Job Site	Total Allowed Travel Time	Total Job Site Time	Total Daily Time	
8-1		8	9:30			3:30			1½	6	7½	Tom Nickel
		9	9:30			1			½	3½	4	Kevin Maher
		1				3:30					2½	Fred Lavoie

Work Performed

~~set~~ load pump motor blocking set pump put in check valve

Tom Nickel

Materials moved on or off job

8-3/4 x 3½ Bolts 8-3/4 Nuts 2-8" Gaskets

D. L. MAHER CO.
Daily Time Report

Date: March 20, 1981 Friday

Owner:

Job Site: Riley's Job No. GW 2-12-81

Truck No. 79-1 2-W	Total Mileage	Starting Time	Arrival Time at Job Site	From Lunch	To	Departure Time From Job Site	Arrival Time at Shop	Driving Time From Job Site	Total Allowed Travel Time	Total Job Site Time	Total Daily Time	
		6:30	7:00	12:00	12:30	4:00				9	9	S. Kelly
		6:30	7:00	12:00	12:30	4:00				9	9	D. Brady

Work Performed

Developing well 66 GPF - Pull Surge Pipe - Take Rig down Move to Shop.

Materials moved on or off job

6:30-7:00 - Unload Truck.

D. L. MAHER CO.
Daily Time Report

Date: March 19, 1981 Thursday

Owner:

Job Site: Rykeys

Job No. CW2-12-81

Truck No.	Total Mileage	Starting Time	Arrival Time at Job Site	From Lunch	To	Departure Time From Job Site	Arrival Time at Shop	Driving Time From Job Site	Total Allowed Travel Time	Total Job Site Time	Total Daily Time
491		6:30	6:30	12:00	12:30	5:00			10	10	S. Kelly
		6:30	6:30	12:00	12:30	5:00			10	10	D. Brad.

Work Performed

J.M. [illegible]
Developing Well
66 ft P.F.

Materials moved on or off job

D. L. MAHER CO.
Daily Time Report

Date: March 18, 1981 Wednesday

Owner:

Job Site: Riley

Job No. CWS-12-81

Truck No.	Total Mileage	Starting Time	Arrival Time at Job Site	From Lunch	To	Departure Time From Job Site	Arrival Time at Shop	Driving Time From Job Site	Total Allowed Travel Time	Total Job Site Time	Total Daily Time	
79-1		7:00	7:00	12:00	12:30	5:00				9½	9½	S. Kelly
		7:00	7:00	12:00	12:30	5:00				9½	9½	D. Brady

Work Performed

J. M. Kelly

Surging 24" Well

Materials moved on or off job

D. L. MAHER CO.
Daily Time Report

Date: March 17, 1981 Tuesday

Owner:

Job Site: Rileys

Job No. CW2-12-91

Truck No.	Total Mileage	Starting Time	Arrival Time at Job Site	From Lunch	To	Departure Time From Job Site	Arrival Time at Shop	Driving Time From Job Site	Total Allowed Travel Time	Total Job Site Time	Total Daily Time
79-1	6:30	7:00	12:00	12:30	5:00				10	10	S. Kelly
	7:00	7:00	12:00	12:30	5:00				9½	9½	D. Brady

Work Performed

J.M. [illegible]

Surveying 24" Well.

Materials moved on or off job

D. L. MAHER CO.
Daily Time Report

Date: MARCH 16, 1981 Monday

Owner:

Job Site: RILEY'S Job No. CW2-12-81

Truck No.	Total Mileage	Starting Time	Arrival Time at Job Site	From Lunch	To	Departure Time From Job Site	Arrival Time at Shop	Driving Time From Job Site	Total Allowed Travel Time	Total Job Site Time	Total Daily Time	
	7:00	7:00	12:00	12:30	5:00				9½	9½	9½	S. Kelly
	7:00	7:00	12:00	12:30	5:00				9½	9½	9½	D. Brady

Work Performed

J.M. Hall

~~[illegible]~~ - Set up rig - Surge + Dry Surge
62 G.P.F.

Materials moved on or off job

D. L. MAHER CO.
Daily Time Report

Date: March 13, 1981 Friday

Owner:

Job Site: Riley's Job No. CWA-12-81

Truck No.	Total Mileage	Starting Time	Arrival Time at Job Site	From Lunch	To	Departure Time From Job Site	Arrival Time at Shop	Driving Time From Job Site	Total Allowed Travel Time	Total Job Site Time	Total Daily Time	
7-1		6:30	8:00	12:00	12:30	4:30	4:30			9½	9½	S. Kelly
		7:00	8:00			12:00				5	5	Joe McCall
			3:00			4:30				1½	1½	B. Davis

Work Performed

Hook up Surge Pipe + Dry Surge - While Mixing 1000 lbs Metafos - Take rig down + Move from Mann

Materials moved on or off job

6:30-8:00 Load Truck Went to Mann's

D. L. MAHER CO.
Daily Time Report

Date: MARCH 12, 1981 Thursday

Owner:

Job Site: Rikeys Job No. CW2-12-81

Truck No.	Total Mileage	Starting Time	Arrival Time at Job Site	From Lunch	To	Departure Time From Job Site	Arrival Time at Shop	Driving Time From Job Site	Total Allowed Travel Time	Total Job Site Time	Total Daily Time	
	6:30	6:30	12:00	12:30	5:00				10	10		S. Kelly
	6:30	6:30	12:00	12:30	5:00				10	10		D. Brady

Work Performed

J.T. McAlly Surge + Dry Surge
56 G.P.F.

Materials moved on or off job

D. L. MAHER CO.
Daily Time Report

Date: MARCH 11, 1981 Wednesday

Owner:

Job Site: Riley's Job No. CW2-12-81

Truck No.	Total Mileage	Starting Time	Arrival Time at Job Site	From Lunch	To	Departure Time From Job Site	Arrival Time at Shop	Driving Time From Job Site	Total Allowed Travel Time	Total Job Site Time	Total Daily Time	
7-1		7:00	7:00	12:00	12:30	5:00				9½	9½	S. Kelly
		7:00	7:00	12:00	12:30	500				9½	9½	D. Brady

Work Performed

Surge + Dry Surge.

Materials moved on or off job

D. L. MAHER CO.

Daily Time Report

Date: MARCH 10, 1981 Tuesday

Owner:

Job Site: Riley 5 Job No. CW2-12-81

Truck No.	Total Mileage	Starting Time	Arrival Time at Job Site	From Lunch	To	Departure Time From Job Site	Arrival Time at Shop	Driving Time From Job Site	Total Allowed Travel Time	Total Job Site Time	Total Daily Time
9-1	6:30	7:00	12:00	12:30	5:00				10	10	S. Kelly

Work Performed

Surge + Dry Surge

T.M. Mu

Materials moved on or off job

6:30-7:00 Load Truck 4" Pump + hose

D. L. MAHER CO.
Daily Time Report

Date: 10 March 81

Tuesday

Owner: Rileys

Job Site:

Job No. CW2-12-81

Truck No.	Total Mileage	Starting Time	Arrival Time at Job Site	From Lunch	To	Departure Time From Job Site	Arrival Time at Shop	Driving Time From Job Site	Total Allowed Travel Time	Total Job Site Time	Total Daily Time
	7				8					1	Tom McNeil

Work Performed

helped store get set up and running

TM.

Materials moved on or off job

D. L. MAHER CO.

Daily Time Report

Date: MARCH 9, 1981

Monday

Owner:

Job Site: R. Keys

Job No. CW 2-12-81

Truck No.	Total Mileage	Starting Time	Arrival Time at Job Site	From Lunch	To	Departure Time From Job Site	Arrival Time at Shop	Driving Time From Job Site	Total Allowed Travel Time	Total Job Site Time	Total Daily Time
91		6:30	7:00	12:00	12:30	5:00			10	10	S. Kelly
		6:30	7:00	12:00	12:30	5:00			10	10	D. Brady

Work Performed

J.M. [illegible]

Set up rig - Dry Surge

Materials moved on or off job

6:30-7:00 Load Truck

D. L. MAHER CO.

Daily Time Report

Date: March 6, 1981

Owner:

Job Site: Ryleys

Friday

Job No. CW2-12-51

Truck No.	Total Mileage	Starting Time	Arrival Time at Job Site	From Lunch	To	Departure Time From Job Site	Arrival Time at Shop	Driving Time From Job Site	Total Allowed Travel Time	Total Job Site Time	Total Daily Time
9-1	6:30	7:00	12:00	12:30	5:00	5:00			10	10	S. Kelly
	6:30	7:00	12:00	12:30	5:00	5:00			10	10	D. Brady

Work Performed

Set up rig + T.B.
Add Chemicals + Dry Surge.
J.M. [illegible]

Materials moved on or off job

6:30-7:00 Load Truck.

D. L. MAHER CO.

Daily Time Report

Date: 3-6-81

Owner: J. J. Riley

Job Site:

Friday

Job No. CW2-12-81

Truck No.	Total Mileage	Starting Time	Arrival Time at Job Site	From Lunch	To	Departure Time From Job Site	Arrival Time at Shop	Driving Time From Job Site	Total Allowed Travel Time	Total Job Site Time	Total Daily Time	
		700				800					1	John McNeil
		700				800					1	Paul Bishop

Work Performed

unloaded pump-motor

J.T.M

Materials moved on or off job

D. L. MAHER CO.

Daily Time Report

Date: 3-5-81

Owner: J J Riley

Job Site:

Thursday

Job No. CW2-12-81

Truck No.	Total Mileage	Starting Time	Arrival Time at Job Site	From Lunch	To	Departure Time From Job Site	Arrival Time at Shop	Driving Time From Job Site	Total Allowed Travel Time	Total Job Site Time	Total Daily Time
		11:00				5:00				6	[illegible]

Work Performed

pulled submersible - pump motor -
we had to bolt on a section of 24" casing as water was
up over the top of well then added chemicals

Materials moved on or off job

J.M. [illegible]

D. L. MAHER CO.
Daily Time Report

Date: March 5 1981 Thursday

Owner:

Job Site: Rileys

Job No. CW2-12-81

Truck No.	Total Mileage	Starting Time	Arrival Time at Job Site	From Lunch	To	Departure Time From Job Site	Arrival Time at Shop	Driving Time From Job Site	Total Allowed Travel Time	Total Job Site Time	Total Daily Time	
9-1 2-W	6:30	9:30	12:00	12:30		4:30	4:30			9½	9½	S. Kelly
	6:30	9:30	12:00	12:30		4:30	4:30			9½	9½	D. Brady

Work Performed

Went to Mann's for Chemicals
Pull Pump - Put on riser Pipe on 24" Casing
J.M. Mann

Materials moved on or off job

6:30-9:30 UnLoad + Load Truck.

D. L. MAHER CO.

Daily Time Report

Date: 18 Feb 81

Owner: Riley's

Job Site:

Wednesday

Job No. CW2-12-81

Truck No.	Total Mileage	Starting Time	Arrival Time at Job Site	From Lunch	To	Departure Time From Job Site	Arrival Time at Shop	Driving Time From Job Site	Total Allowed Travel Time	Total Job Site Time	Total Daily Time	
75-1	14	2				3					1	Tom Mikel

Work Performed

went down and spread 5 bags of lime and checked drawdown

1'-4 STATIC 20'-4 Pumping level 496 GPM

Materials moved on or off job

D. L. MAHER CO.
Daily Time Report

Date: 17 Feb 81

Owner: J.T. Riley's

Job Site:

Tuesday

Job No. CW2-12-81

Truck No.	Total Mileage	Starting Time	Arrival Time at Job Site	From Lunch	To	Departure Time From Job Site	Arrival Time at Shop	Driving Time From Job Site	Total Allowed Travel Time	Total Job Site Time	Total Daily Time	
75												
4	730	830				10		1	1½	2½		Tom Mitchell
	730					10				1½		Bill Davis

Work Performed

made up 6" x 8" riser with 2½ gate valve and fire hose fitting - installed flapper check in check valve and set up the pumps to waste 500GPM

Materials moved on or off job

D. L. MAHER CO.

Daily Time Report

Date: 13 Feb 81 Friday

Owner: LJ Riley

Job Site:

Job No. CW2-12-81

Truck No.	Total Mileage	Starting Time	Arrival Time at Job Site	From Lunch To	Departure Time From Job Site	Arrival Time at Shop	Driving Time From Job Site	Total Allowed Travel Time	Total Job Site Time	Total Daily Time	
1-1		8 30				9 30					1	Tom Mikel
		8 30				9 30					1	Bill Lewis
		1				4 30					3½	Tom Mikel
		1				4 30					3½	Bill Lewis

Work Performed

1 30 - 9 30 Boring Acid and Bleach to Riley and unload

1 - 4 30 add bleach with water behind then acid with water behind took flapper out of check valve

Materials moved on or off job

90 Gal Bleach 250 Gal Acid

EXHIBIT
Maher #17
1.15.86 VTW

5 pages

Knapp, J. J. 84-233-RS

Emergency

Job File

n: D. Maher

Date: 7-25-84

ller:

Rig: Boom

: M.M. Riley - #2

Job No.:

ineer:

Contact: Jack Riley, Jim Grainger

ne:

Phone: 933-5900

Site: Salem ST, Woburn, Ma

pe of Work: EPA dropped a Tape down the well + it was sucked into the pump. The pump is down.

Pull it + remove any Tape that may be stuck + reinstall

jected Materials to be Needed:

INVOICE

D. L. MAHER COMPANY
P. O. BOX 127 • CONCORD STREET
NORTH READING, MA 01864
(617) 933-3210

#9314
Pd 8/31

INVOICE DATE	July 31,1934
OUR ORDER NO	84-233-PS
YOUR ORDER NO.	Well #2
TERMS	Net 15 days
F.O.B.	
SALESMAN	
SHIPPED VIA	

J.J. Riley
Salem Street
Woburn, MA 01801

PPD OR COLL

ANTITY	DESCRIPTION	PRICE	AMOUNT
	7/26/34 0700 to 1100 - Pulled pump with 8" column & coupling. Measuring tape was wrapped around the inlet part. Removed all but 1 inch. An 8" pipe & coupling had a hole in it. The men returned to the shop to wait for the pipe to be ready. 1330 to 1830 - Inspected oil level. Reset pump - Ran - motor megged Inf.		
8 hrs.	Serviceman, including travel @	31./hr.	248.00
. hr.	Overtime @	36.50	36.50
8 hrs.	Helper	28.25	226.00
. hr.	Overtime	32.25	32.25
	Hydraulic rig		260.00
20 mi.	@	.70/mi.	14.00
			$816.75

SERVICE CHARGE OF 1½%
PER MONTH WILL BE
MADE ON ALL BALANCES
EXCEEDING 45 DAYS.

8/9

RAPIDFORMS, INC., BELLMAWR, N.J. 08031

FILE NO.	E.J.M.	D.L.M.	R.J.M.	F.J.K.	P.H.S.	R.F.K.	

MAY 7 1985

SUN-STAR ELECTRIC INC.

1115-A Slaton Highway
LUBBOCK, TEXAS 79404
(806) 745 - 7827 or (806) 793 - 2812
Telex 910 380 0813 - EL # 6283 3719

May 3, 1985

Denis L Maher, Jr.
The Maher Corp.
P.O. Box 127
North Reading, MA 01864

Dear Denis:

In response to your letter of April 30, we would like to acquire your Byron Jackson carcass.

We would offer $250.00 cash or $500.00 credit against any future repairs or exchange needs. If this is acceptable to you than please ship this motor in the following manner.

Ship the carcass freight collect to us. Ship this via Consolidated Freighways or Yellow Freight. Mark the freight bill with the following information: "For Salvage Only, Class 50, Item #106610"

We thank you for your letter and hope to be of further assistance to you in the future.

Sincerely yours,

D. D. Duhan
President

DDD/fov

Send this to
Charlie Sheehan
at J.J. Riley's
Salem St
Woburn, Ma

C.C. to JJ Riley w/S file

Riley's 84-233-PS.

8/1 - 35 gals gas 1058 36.83

D.L. MAHER CO. DAILY TIME REPORT Date: 26 July 84 Thurs

Owner: J.J. Pikys Location: Submersible Pump Job No. 84-233-PS

Foreman (1) Tom McNeal Helper (2) Fred Lewis (3) Don Murphy (4)

Truck No. 78-1 MI. 20

Am	To	1	2	3	4	DETAILED REPORT
700	1100	4	4			Pulled Pump — 8" Column + Coupling had a hole in it — Measuring Tape was wrapped around shaft — Cut out Tape & Plunker Returned to Shop to wait for Then to call with New Pipe
1330	1530	5	~~4~~	5		checked to make ~~sure~~ sure oil was up in Motor Reset pump — Ran Pump — Motor Needed Inf.
						Materials used or moved on or off job:
						8-3/4 x 3 1/2 Bolts + Nuts 4-Rolls Tape 8" Ring Gasket
						8-7/16 x 1 1/2 Bolts Nuts + Flat Washers

	1	2	3	4
Lap time				
Travel time				
Site time	9	4	5	
Total time	9	4	5	