

### UNITED STATES OF AMERICA NUCLEAR REGULATORY COMMISSION

### ATOMIC SAFETY AND LICENSING BOARD PANEL

Before Administrative Judge Peter B. Bloch, Presiding Officer

In the Matter of

HYDRO RESOURCES, INC. 2929 Coors Road, Suite 101 Albuquerque, NM 87120 Docket No. 40-8968-ML

ASLBP No. 95-706-01-ML

### WRITTEN TESTIMONY OF MAVIS SMITH

On behalf of Eastern Navajo Dine Against Uranium Mining ("ENDAUM") and Southwest Research and Information Center ("SRIC"), Mavis Smith submits the following testimony regarding the amended application of Hydro Resources, Inc. ("HRI") for a source materials license to conduct in situ leach ("ISL") uranium mining at three proposed sites in McKinley County, New Mexico, referred to as the "Crownpoint Uranium Project."

- Q.1. Please state your name.
- A.1. My name is Mavis Smith.
- Q.2. Where do you live?
- A.2. I live on the Navajo reservation in Brimhall, New Mexico,



### Q.3. What is your occupation?

**A.3.** I am presently employed as the Office Manager for ENDAUM. I started working for ENDAUM in September, 1998. Before that, I was a full-time student at the University of New Mexico in Albuquerque, New Mexico. I graduated from the University of New Mexico on May 21, 1998. I have a Bachelor of Arts Degree in Psychology with a Minor in Human Services.

From May 29, 1998 to August 8, 1998, I served as an intern with the U.S. Department of Education, Office of Educational Research and Improvement in Washington. D.C.

Q.4. Are you a member of the Navajo Tribe?

A.4. Yes.

Q.5. Do you speak the Navajo language?

A.5. Yes. I am bilingual in Navajo and English.

# Q.6. Are you familiar with the Crownpoint Uranium Mining Project proposed by HRI?

**A.6.** Yes. I have reviewed the Final Environmental Impact Statement to Construct and Operate the Crownpoint Uranium Solution Mining Project, Crownpoint, New Mexico ("FEIS") (February, 1997) as well as several other documents in the Hearing Record.

# Q.7. Have you performed work related to this proceeding on behalf of ENDAUM?

A.7. Yes.

### Q.8. Please describe the work you have performed.

**A.8.** As the staff person for ENDAUM, I conducted a land use survey in the Church Rock area, under the supervision of Dr. Robert Bullard.

### Q.9. What was the purpose of the land use survey?

A.9. The purpose of the land use survey was to find out how people use the land in the Church Rock area near HRI's proposed uranium mining activities.

### Q.10. How did you develop the land use survey?

**A.10.** Under the direction of Dr. Robert Bullard, I helped develop a survey which asked people living in the Church Rock area how they use their land, how many animals they own and graze, how and where they obtain water and for what uses, and how long they have lived at their home sites.

### Q.11. How did you determine which people to interview?

A.11. Dr. Bullard determined that the boundaries of the survey area should include the northern portion of Township 16 North, Range 16 West, Section 2; Township 17 North, Range 16 West, Sections 35-36; Township 16 North, Range 16 West, Section 31; Township 15 North, Range 15 West, Sections 1-5; or in other words, an area within a 3 mile radius of the proposed mining project in Church Rock, including the project area itself. Then, based on the inspection of various maps and on my previous

### Q.12. When did you conduct this land use survey?

A.12. I conducted interviews of the Church Rock area residents within the survey area on four days: January 20, January 30, January 31, and February 6, 1999.

### Q.13. What survey methods did use use?

A.13. Dr. Bullard instructed me to conduct the survey as systematically as possible by asking the same questions of everyone, as they appear on the form, and by using the same Navajo language terms whenever I translated the survey into Navajo for Navajo-speaking residents. Generally, I recorded responses on the survey forms, but a few residents filled out their own forms. In recording responses, I sought to be as accurate as possible.

### Q.14. How many surveys did you complete?

A.14. 45.

Q.15. Are the land use surveys in your possession?

A.15. Yes. The completed survey forms are attached to this testimony as Exhibit A.

Q.16. Does this conclude your testimony?

A.16. Yes.

### **AFFIRMATION**

I declare under penalty of perjury on this  $\underline{977}$  day of February, 1999, at <u>Claungoint</u>, New Mexico, that the foregoing is true and correct.

Sworn and subscribed before me, the undersigned, a Notary Public in and for the State of New Mexico, on this  $\frac{977+1}{1000}$  day of February, 1999. My Commission expires on 10/25/2001.

Cmejazzic Notary Public

ENDAUM N	AVAJO LAND US JANUARY 1999	SE SURVEY	
Date of Survey: 1-20-99	Interviewer	présenth	
Name of Person Interviewed: Jimmy Mailing Address: <u>P.O. Box 808 Church</u> P.O. Box or Street Address	H. Arviso Rack, NM	82311	epununun samma ya aya da ana aya aya aya aya aya aya aya aya ay
Do you have a telephone in your home? If yes, your phone numbers are: H: If no, do you have access to a telephone near	W:	No cell:	
What is the location of your home? (describe Chapter House, etc.): Old Church R	by T-R-S, nearest 1 Cock Mine P	highway, distance from bad, Rural 🖉 🎒	100 COA
How long have you lived at this location? <u>A</u> How long has this land been in your family? How many people are in your family <u>1</u>	(map of location at 11 my life - 1 <u>All my life - 1</u> 2 3 4	over 60 years	
Do you use the land for grazing? Yes' If yes, how many acres are used for gr If yes, how many head of livestock do # sheep 70; # cattle; # horses pus goars	you graze?	<u>093</u> 4-	
Do you use the land for growing crops? If yes, what kind of crops do you grow If yes, how many acres are in crops?	Yes No V. Seguesh, mel	ons, Com, wotermelter	beans
- - - -	Drinking? Yes Cooking? Yes Bathing? Yes Irrigation? Yes	No No No	
Describe the quality of this water	Livestock? Yes	No	····
Do you haul water for any purpose? (Yes) ? Where do you get this water? Fed i	No Rozk State	Park	Lage & Ball Same of 1-1-1-1-
How far away is this? 6 AV How often do you haul water? 5 How much (in gallons) do you haul at What do you use this water for? 6	*, , *	50 gallons battling irrigation.	Tivestock
	Joed, Wat		King

ENDAUM NAVAJO LAND USE SURVEY JANUARY 1999
Date of Survey: 1-20-99 Interviewer Marshitt
Name of Person Interviewed: Johnny H. Arviso Mailing Address: Box 265 Church Rock, MM 8731/
P.O. Box or Street Address
Do you have a telephone in your home? Yes No If yes, your phone numbers are: H: W: cell: If no, do you have access to a telephone near your home? Yes No
What is the location of your home? (describe by T-R-S, nearest highway, distance from Chapter House, etc.): US Church Pork Pa, Rural 60B
(map of location attached? Yes No ) How long have you lived at this location? <u>All Muy life - OVCY (O VERYS</u> How long has this land been in your family? <u>All Muy life - Manup Generations</u> How many people are in your family? 1 2 (3) 4 5 6 more?
Do you use the land for grazing? Yes No If yes, how many acres are used for grazing? If yes, how many head of livestock do you graze? # sheep //: # cattle; # horses; # other
Do you use the land for growing crops? (Yes) No If yes, what kind of crops do you grow? Vegetables; Squash, Com, Walemelon, beans If yes, how many acres are in crops?
Do you have running water in your home? What do you use this water for? Cooking? Bathing? Irrigation? Yes No Bathing? Yes No Irrigation? Yes No
Livestock? Yes No Describe the quality of this water
Do you haul water for any purpose? Yes No
Where do you get this water? <u>Kid Renk State Rehaboth and</u> Gallup; we pay for the water.
How far away is this? /2 miles
How often do you haul water? Uler 4 day
How much (in gallons) do you haul at any one time? More 3 Grallons
What do you use this water for? Orun King, colking, bathing, migstion Ivestoch
Describe the quality of this water: Very 9002; thean

Date of Survey 01-30-99	Interviewa	ç	Tan	30, 1999	MA Smarth
					-IVE-INIE
Name of Person Interviewed: Tom Arr	150 and	Jan	ice Y.	Arviso	йб <b>айт</b> анан <b>Ж</b> ердер фолбонного се де <u>се се се се с</u>
Mailing Address: Box 56 Chu	ich Ro	et	New	Mexico	
P.O. Box or Street Address					
Do you have a telephone in your home?	Yes No				
If yes, your phone numbers are: H:	W:		cell:		-
If no, do you have access to a telephone near	r your home?	Yes	(No)		
What is the location of your home? (describe Chapter House, etc.): <u>Happy Ve</u>					
	<i>I</i>		······		
How long have you lived at this location? Sin	(map of local CBirth 6	7 16	ions aar	Yes No	Sincensy Jani
frow long has this land been in your family?"	many q	enisc	stron y	<u>S SPRCYT</u>	frons 1.HTH
How many people are in your family? 1	2 3 2	4	> ~	6 more?	luiden 9
Do you use the land for grazing? (Yes)	No (m)	k squ	uene-	June	
If yes, how many acres are used for g	razing?		····		
If yes, how many head of livestock do $\#$ sheep $\cancel{40}$ ; $\#$ cattle $\cancel{2}$ ; $\#$ horse	* **				
	<del>ين # 0</del> 1				
	Tes	No			
If yes, what kind of crops do you gro If yes, how many acres are in crops?	· · · · · · · · · · · · · · · · · · ·	quas Eres	······	35	
			<u> </u>		
Do you have running water in your home? What do you use this water for?	Drinking?	Yes Yes	No No		
what do you use this water for:	Cooking?	Yes	No		
	Bathing?	Yes	No		
	Irrigation?	Yes	No		
Describe the quality of this water	Livestock?	Yes	No		
Do you have water for any memory for	No			_	
Do you haul water for any purpose (Yes		0	Red R	P	
Where do you get this water?	with too	12,3	stale	ianc	
How far away is this?	uran	14	mund-	tup	
How often do you haul water?	¢				( a lason
How much (in gallons) do you haul at			ź	elves) 400	Rilms (Inestock-
What do you use this water for? dry			1		
Describe the quality of this water: $\underline{b}$	3 ↓ ℓ ℓ	1	ay	17 J	
Drink bottle water	for sal	e Q	Frace	my store	<i>j</i> *

Date of Survey: 01-30-99	Interviewer	Jan.	30, 1999	Mavis C
Name of Person Interviewed: Sylvia Mailing Address:	Arviso Pack, NM	0-7>11		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
P.O. Box or Street Address	OCK_, NFT	87311		
Do you have a telephone in your home? If yes, your phone numbers are: H: If no, do you have access to a telephone ne				-
What is the location of your home? (descri Chapter House, etc.): <u>Happy Va</u>	•	••••		
	(map of loca	tion attached?	Yes No )	
How long have you lived at this location? How long has this land been in your family	a long tir	<u>ne 56 ve</u> I Aldret e	ars since	birth to today
How many people are in your family? 1	2 3	4 5		and children &
Do you use the land for grazing? (Yes) If yes, how many acres are used for If yes, how many head of livestock # sheep; # cattle; # hor # 903.5 Do you use the land for growing crops? If yes, what kind of crops do you g If yes, how many acres are in crops	r grazing? <u> </u> do you graze? rses_j_; # oth Yes row?	ner No <del>aacs (</del> a	re m, squash	<u>, Corr</u>
Do you have running water in your home? What do you use this water for?	Drinking? Cooking? Bathing? Irrigation? Livestock?	Yes No Yes No Yes No Yes No Yes No Yes No		
Describe the quality of this water				
Do you haul water for any purpose? Yes Where do you get this water? <u>Ch</u>	No With Roz	K, Reha	both	
How far away is this? 8 -	nutes (on	eway),	16 round -1	5.1P
How often do you haul water?	even -	two weeks	re E	/
How much (in gallons) do you haul	/		gallons	
What do you use this water for?	-	· · · ·	1 1	K
Describe the quality of this water:	. 17	17 .	the other p	place to get H.
Repote the and Chur			Some times	very dark;

	W2.22110/2.041.4		_	_
Date of Survey: 1 - 20 - 99		<u> </u>	novis	Smith
Name of Person Interviewed: Will	ian) A	rus	30	
Mailing Address: 808 Chu				81311
P.O. Box or Street Address		,		·····
Do you have a telephone in your home? If yes, your phone numbers are: H: If no, do you have access to a telephone near	W:	Yes	cell: No	•
What is the location of your home? (describ Chapter House, etc.): DL Chur				stance from Sural 60C
	(map of locati			Yes No )
How long have you lived at this location?				20 a years
How long has this land been in your family?	Anin	<u>s 1/4</u>	<u>e</u>	many generations
How many people are in your family	2 3	4	3	6 more <sup>#</sup>
Do you use the land for grazing? Yes If yes, how many acres are used for If yes, how many head of livestock d # sheep 5; # cattle; # hors	grazing?	er		
Do you use the land for growing crops?	Yes	No		
If yes, what kind of crops do you gro				
If yes, how many acres are in crops?			**************************************	••••••••••••••••••••••••••••••••••••••
Do you have running water in your home?		Yes (	No	
What do you use this water for?	Drinking?	Yes	No	
TTERME WAS JOINT WAS CLICK THREE LOLD	Cooking?	Yes	No	
	Bathing?	Yes	No	
	Irrigation?	Yes	No	
	Livestock?	Yes	No	
Describe the quality of this water	······			
Do you haul water for any purposer Yes	No			_
Where do you get this water?	ed Rock	<u>Str</u>	ate f	ork; Repobath
and Gallup, I am	adasab	<u>le ve</u>	eteran	ب. م. المانين الماني الم
How far away is this?	long wa	<u>45,1</u>	too-far	about Bmiles
How often do you haul water?	velyda	4,1	tere	very hard
How much (in gallons) do you haul a	t any one time?	about	20q	allas
What do you use this water for?	very thin	q;d	niling	, Cooking washing, .
Describe the quality of this water:	Very goo	划.	~	······································

Date of Survey: 01-30-99	Interviewer	••••····	Jan. 30, 19991	Yous?
	në Beg uch Re	ł	$\cup$ $\cup$ $\wedge$	······
P.O. Box or Street Address				
Do you have a telephone in your home? If yes, your phone numbers are: H: If no, do you have access to a telephone net	Yes No W: ar your home?	Yes	cell:	
What is the location of your home? (describ Chapter House, etc.): <u>Taberacle</u>			ghway, distance from - 130 A-	<b></b>
How long have you lived at this location? How long has this land been in your family? How many people are in your family? 1		ir th	ached? Yes No ) 58 Vrs is on my father side 5 6 more?74	
Do you use the land for grazing? Yes If yes, how many acres are used for If yes, how many head of livestock of # sheep 17; # cattle 11.; # hors # GOALE Do you use the land for growing crops?	to you graze? ses; # oth		- 	- en et
If yes, what kind of crops do you gr	······	h, co	m, beans	
If yes, how many acres are in crops?	· <u>· · +</u>		~	
Do you have running water in your home? What do you use this water for?	Drinking? Cooking? Bathing? Irrigation?	Yes Yes Yes Yes Yes	No No No No No	
Describe the quality of this water	Livestock?	Yes	No	
Do you haul water for any purpose? Yes Where do you get this water?	No WORK POZK	Ect	ndroth live true for th	o water)
ىشۇسىنىدى ئەكەن يەت يەت بەت بەت بىرى بەت بەت ب	CARLA L BALLA			
How far away is this?	miles			M. M. A. CALONING COMME
How often do you haul water?	two time	es a	lweek	
How much (in gallons) do you haul :	at any one time	?	55 gallons	and the second
What do you use this water for? d			a bathing, livestock	•• ·
Describe the quality of this water:		fear		

Date of Survey: 01-30-99 Interviewer Jaw, 30, 1999 Mars Sm
Name of Person Interviewed: <u>Mellie Regay</u>
Mailing Address:
P. 0 535 Church Rozk, NM
P.O. Box or Street Address
Do you have a telephone in your home? Yes No If yes, your phone numbers are: H: W:W:Cell: If no, do you have access to a telephone near your home? Yes No
What is the location of your home? (describe by T-R-S, nearest highway, distance from Chapter House, etc.): Red Top Road $74A-B$
(map of location attached? Yes No ) How long have you lived at this location? $\underline{AU} \underline{My} \underline{life} - \underline{72}$ How long has this land been in your family? Dast on from degration
How long has this land been in your family? $past on from generationHow many people are in your family? 1 2 (3) 4 5 6 more?$
Do you use the land for grazing? Yes No If yes, how many acres are used for grazing? 5(0) If yes, how many head of livestock do you graze? # sheep_45; # cattle_14; # horses_1; # other goot 65 Do you use the land for growing crops? Yes No If yes, what kind of crops do you grow? <u>3 cares Corn, Squash, with carries for Cartely</u> If yes, how many acres are in crops? Yes No Do you have running water in your home? Yes No What do you use this water for? Drinking? Yes No Bathing? Yes No Irrigation? Yes No Livestock? Yes No
Describe the quality of this water <u>Gred Wold Wold is check regularly</u> Do you haul water for any purpose? (Yes) No by NTUA
Where do you get this water? [MarianO Lake
How far away is this? Round trip; 30 miles
How often do you haul water?
How much (in gallons) do you haul at any one time? 55 a allon $\chi$ 3
What do you use this water for? Calle
Describe the quality of this water: <u>Jord Water for Iwestock</u>

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	NAVAJO LAN JANUARY	1999		Y /	lola	form	ground y en
Date of Survey: 1/31/99	Interviewer_	Мә	wisS	ni th			
Name of Person Interviewed: <u>Hazel</u> Mailing Address: <u>Plotox 631</u> Chu P.O. Box or Street Address	Curley	4 C	lectu	s Cu			
Do you have a telephone in your home? If yes, your phone numbers are: H: If no, do you have access to a telephone net	Yes No W: ar your home?	Yes	– cell: No	yes			
What is the location of your home? (describ Chapter House, etc.): <u>frentent</u>	•	-					- <del></del>
How long have you lived at this location? How long has this land been in your family? How many people are in your family? 1	(map of local life 2 3	37 42		Yes N	<b></b>	•	
Do you use the land for grazing? Yes If yes, how many acres are used for If yes, how many head of livestock of # sheep; # cattle; # hors Do you use the land for growing crops? If yes, what kind of crops do you gr If yes, how many acres are in crops?	lo you graze? ses; # oth <u>(Yes)</u> ow?; orn	No	1	tone	<del>T</del>		<u>-</u>
Do you have running water in your home? What do you use this water for? Describe the quality of this water 1/2	Drinking? Cooking? Bathing? Irrigation? Livestock? <u>heaten</u>	Yes Yes Yes Yes Yes	No No No No No				
Do you haul water for any purpose? Yes	No	<b>ر</b>	:		tu a		
Where do you get this water? $R_{k-1}$	UKICLE -jt	etter p	2·1.K.	<u>. 4 1</u>	<u>xui Dér</u>	***	
Handber Company							······
How far away is this? <u>616 Unip</u>			<u>K.</u>		*	······	
How often do you haul water?	-		<u> </u>		w-v		
How much (in gallons) do you haul							·····
What do you use this water for?	~ J	Crita		<u>~~~~</u> 5 <u>5</u> 22	Kard Same	Zutra	-)
Describe the quality of this water:	<u>ə.m.k</u>				····		heladan

ENDAUM	NAVAJO LAN JANUARY	ND USE SURVEY
		• • • •
Date of Survey: 1-70-99		
Name of Person Interviewed: <u>Cours</u> Mailing Address:		
Mailing Address:	O. Ger	424
P.O. Box or Street Address		
Do you have a telephone in your home? If yes, your phone numbers are: H: If no, do you have access to a telephone near	W: <u>X</u>	<u>73-9543</u> cell: Yes No
What is the location of your home? (describ	e by T-R-S. ne	arest highway, distance from
Chapter House, etc.): old dearch &	all mi	ne Read
	***	
	<u> </u>	tion attached? Yes No )
How long have you lived at this location?		
How long has this land been in your family? How many people are in your family? 1		4 (5) 6 more?
riow many people are in your ranning?	2 3	
<ul> <li>Do you use the land for grazing? Yes</li> <li>If yes, how many acres are used for If yes, how many head of livestock of # sheep 300; # cattle 100; # hors</li> <li>Do you use the land for growing crops? If yes, what kind of crops do you green</li> </ul>	lo you graze? des; # oth	
If yes, how many acres are in crops?		
<b>, , , , , ,</b>		
Do you have running water in your home?		Yes No
What do you use this water for?	Drinking?	Yes No
	Cooking?	Yes No
	Bathing?	Yes No
	Irrigation? Livestock?	Yes No Yes No
Describe the quality of this water	LIYESIUCK?	Yes No
Do you haul water for any purpose? (Yes)	No	
Where do you get this water?		uni -
where do you get this water? <u>1966</u>	ICA RECK	
How far away is this? 7 mile	\$	
How often do you haul water?	es in w	hile
What do you use this water for?	Cinking	? is gallans
Describe the quality of this water:		leac

Date of Survey: 1-20-99 Interviewer_MarsSmith
Name of Person Interviewed: Jerald R. HOOD
Mailing Address: P.O. Box 804 Church Rock New Missico 81311
P.O. Box or Street Address
Do you have a telephone in your home? Yes No (HRI) Can Privide the (Phone) If yes, your phone numbers are: H: W: cell: If no, do you have access to a telephone near your home? Yes No
What is the location of your home? (describe by T-R-S, nearest highway, distance from Chapter House, etc.): Leave Right geross the hime Sto along Highlory 556. On Old Church Rock Min. R.S.
(map of location attached? Yes No ) How long have you lived at this location? Many Vis. Nife Time )
How long has this land been in your family? <u>136 5</u> How many people are in your family? 1 2 3 4 5 6 more? <u>Estimate</u>
Do you use the land for grazing? Yes No If yes, how many acres are used for grazing? <u>40 acres</u> If yes, how many head of livestock do you graze? # sheep <u>14</u> ; # cattle <u>19</u> ; # horses <u>8</u> ; # other
Do you use the land for growing crops? Yes No No Corr Season If yes, what kind of crops do you grow? Regard Corr Season If yes, how many acres are in crops? <u>Solution</u> 2005 10.5
Do you have running water in your home? What do you use this water for? What do you use this water for? Drinking? Cooking? Bathing? Irrigation? Livestock? Yes No Yes No Yes No Yes No Yes No Yes No
Describe the quality of this water This water is parter wol with
Do you haul water for any purpose? Yes No
Where do you get this water? Livors from the write Site for Mary 566 Pours and Hoveres
How far away is this? 1/2 mile Jouth of Intine Silve alon 366
How often do you have water? Every two drays Burners all the Time.
How much (in gallons) do you haul at any one time? 1000 Seller
What do you use this water for? What have the source the source of the second of the s
Describe the quality of this water: Right Now the water is rate
Collect.

# ENDAUM NAVAJO LAND USE-SURVEY

	JANUARY	1999		
Date of Survey: 1-20-99	Interviewer_	Maves	mil	
Name of Person Interviewed: <u>Clan</u> Mailing Address: <u>DO. Box</u> 504		oot as	m 83311	
P.O. Box or Street Address	CATOT CIT		<u></u>	
	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~			
Do you have a telephone in your home? If yes, your phone numbers are: H:	Yes Nov W	~ ~ ~ ~	1.	
If no, do you have access to a telephone ne	ar your home?	Yes No	***	
What is the location of your home? (describ	he he T_P_C no	aroet highway	distance from	
Chapter House, etc.): <u>3 mile no</u>				
۲۹۶۰ ۲ ۲ ۲ ۲ ۲ ۲ ۲ ۲ ۲ ۲ ۲ ۲ ۲ ۲	(map of locat	ion attached?	Yes No )	
How long have you lived at this location?	Cite And	<u> </u>	<u>8/8</u>	
How long has this land been in your family? How many people are in your family? 1	2 3	4 5	6 more?	
Do you use the land for grazing? Yes V If yes, how many acres are used for If yes, how many head of livestock of # sheep <u>30</u> ; # cattle <u>18</u> ; # hors	grazing? lo you graze?			
Do you use the land for growing crops? If yes, what kind of crops do you gr If yes, how many acres are in crops?	ow? Carn			
if yes, now many acres are in crops:	700			
Do you have running water in your home?		Yes No	¢	
What do you use this water for?	Drinking?	Yes No		
Head water	Cooking? Bathing?	Yes⊮ No Yes⊮ No		
	Irrigation?	Yes No		
	Livestock?	Yesv No	10 -	
Describe the quality of this water	Houl (	water tres	m statepark	
Do you haul water for any purpose? Yes $\checkmark$	No Ciue	start &	Ormany wat	41
Where do you get this water?	1 5 1	A		
How far away is this?	to pin	a miles	from home	
How often do you haul water? <u>Full</u> Every other day for live How much (in gallons) do you haul a	10 to the	n <del>a negt</del>	for domting as	ter-
What do you use this water for?				
Describe the quality of this water:	votor Ler	Cottina n.		
			is kind of res	ted vary

ENDAUM	NAVAJO LAJ JANUARY		E SURVI	SY J	
Date of Survey: 1-20-99	Interviewer	M	MSE	Smith	
Name of Person Interviewed: <u>Beath</u> Mailing Address: <u>P.O. Box 642</u> , <u>Church</u> P.O. Box or Street Address		d	873//		 F
Do you have a telephone in your home? If yes, your phone numbers are: H: If no, do you have access to a telephone nea	W	Yes			
What is the location of your home? (describ Chapter House, etc.): <u>DH Chuirch</u>	e by T-R-S, no <u>ROCK</u> //	earest h MINE	ighway, d Rd	istance from # 102B	
How long have you lived at this location? How long has this land been in your family? How many people are in your family? 1	(map of loca 2 <u>long time</u> MY GONT 2 3	bi	n rais	ed and Still Iwing have.	50 yr.
Do you use the land for grazing? Yes If yes, how many acres are used for If yes, how many head of livestock d # sheep; # cattle; # hors During the time mining, we los They were killed by from (cat Do you use the land for growing crops? If yes, what kind of crops do you ground If yes, how many acres are in crops?	lo you graze? es;# otl + our <del>chec</del> selfrom the Yes ow? <u>Corn</u> ,5	l'une No	t prorse Mining,	F ,	_
Do you have running water in your home? What do you use this water for?	Drinking? Cooking? Bathing? Irrigation?	Yes Yes Yes Yes Yes	No No No No		
Describe the quality of this water	Livestock?	Yes	No		
Do you haul water for any purpose? Yes Where do you get this water?	<sup>No</sup> аШир				
How far away is this? <u>1877</u> How often do you haul water?	•		np		
How much (in gallons) do you haul a			1	gailms	- margaret
What do you use this water for? dr	mKing, (0)	King	bathin	of irrigation, livestoc	K
Describe the quality of this water	good				

ENDAUM NAVAJO LAND USE SURVEY
JANUARY 1999

	JANUARI 1999
Date of Survey: 01-30-99	_Interviewer_ Jaw 30, 1999 Mmirtf
Name of Person Interviewed: <u>Hollanc</u> Mailing Address:	· · · · · · · · · · · · · · · · · · ·
P. O. Box 24	54 Gallup 87305
P.O. Box or Street Address	
Do you have a telephone in your home? If yes, your phone numbers are: H: If no, do you have access to a telephone nea	Yes No W:cell: r your home? Yes No
What is the location of your home? (describe Chapter House, etc.): <u>HAPPY</u> VA	
How long have you lived at this location? How long has this land been in your family? How many people are in your family?	(map of location attached? Yes No ) AUMY   fe Since hrd for mony of nervation 2 3 4 5 6 more?
Do you use the land for grazing? Yes If yes, how many acres are used for y If yes, how many head of livestock d # sheep 70; # cattle; # horse 90315	o you graze?
Do you use the land for growing crops? If yes, what kind of crops do you gro If yes, how many acres are in crops?	(Yes No w? Com, squash, beans 
Do you have running water in your home? What do you use this water for?	Yes No Drinking? Yes No Cooking? Yes No Bathing? Yes No Irrigation? Yes No Livestock? Yes No
Describe the quality of this water	Livestock? Yes No
Do you haul water for any purpose? (Yes	No
- 1	wrch Rock, Red Rick
How far away is this?	
How often do you haul water?	2×aweek
How much (in gallons) do you haul a	
· + · · ·	nking cocking bothing imation livestick
Describe the quality of this water:	

ENDAUM NAVAJO LAND USE SURVEY JANUARY 1999	
Date of Survey: 1-20-99 Interviewer New 57mth	
Name of Person Interviewed: Marie A. Johnson	
Mailing Address: BX 241 Church Rock, NN 8731	
P.O. Box or Street Address	
Do you have a telephone in your home? Yes No If yes, your phone numbers are: H:W:cell: <u>919-3053</u>	
If no, do you have access to a telephone near your home? Yes No	
What is the location of your home? (describe by T-R-S, nearest highway, distance from Chapter House, etc.): <u>Old Church Rock mine Road</u> , <u>Rural</u> # 60D	
(map of location attached? Yes No )	
How long have you lived at this location? all my life : 54 years	1
How long has this land been in your family? <u>Overation vears</u> past on from <u>ceneration</u> t How many people are in your family? 1 2 3 4 (3) 6 more?	
Do you use the land for grazing? Yes No If yes, how many acres are used for grazing? If yes, how many head of livestock do you graze? # sheep_lo_; # cattle; # horses; # other	_ _
Do you use the land for growing crops? Yes No If yes, what kind of crops do you grow? <u>Corn, squash, beans writer melon</u> If yes, how many acres are in crops? <u>4 acres</u>	
Do you have running water in your home? Yes No	
What do you use this water for? Drinking? Yes No	
Cooking? Yes No	
Bathing? Yes No	
Irrigation? Yes No	
Livestock? Yes No Describe the quality of this water	
Do you haul water for any purpose? Yes No	
Where do you get this water? Red Rock State Park, Rehobsth	
Water	
How far away is this? <u>about 5 miles</u>	
How often do you haul water? <u>Everyday</u>	
How much (in gallons) do you haul at any one time? [0 Gallons	<b>_</b>
What do you use this water for? Drinking, Cooking, bathing, irrigation, livestek	
Describe the quality of this water: Red Bock State Park > dear, good	

ENDAUM NAVAJO LAND USE SURVEY JANUARY 1999
Date of Survey: <u>bn 30, 199</u> Interviewer Mans Smith
Name of Person Interviewed: <u>Actor And Mory Jim</u> Mailing Address: <u>Box 764</u> ( <u>hurch Rock</u> , NM 8731] P.O. Box or Street Address
Do you have a telephone in your home? Yes No If yes, your phone numbers are: H: W: cell: If no, do you have access to a telephone near your home? Yes No
What is the location of your home? (describe by T-R-S, nearest highway, distance from Chapter House, etc.):
(map of location attached? Yes No ) How long have you lived at this location? <u>65 Years</u> . How long has this land been in your family? <u>2 JENERALOUS</u> How many people are in your family? <u>1 2' 3 4 5 (6 more?</u>
Do you use the land for grazing? Yes No If yes, how many acres are used for grazing? <u>Gamme</u> If yes, how many head of livestock do you graze? # sheep <u>6</u> ; # cattle <u>4</u> ; # horses <u>6</u> ; # other <u>6</u> # Godt <u>2</u> . Do you use the land for growing crops? Yes <u>No</u>
If yes, what kind of crops do you grow? (Ir N, DunKin If yes, how many acres are in crops? Ess thom du acres
Do you have running water in your home? What do you use this water for? Drinking? Cooking? Hrrigation? Livestock? Yes No Livestock? Yes No Livestock? Yes No Livestock? Yes No Livestock? Yes No Livestock? Yes No Livestock? Yes No
Describe the quality of this water good from tine date
Do you haul water for any purpose? Yes No
Where do you get this water? Kehobith, we pay for the water
How far away is this? <u>91/2 One way to Relicbeth</u> How often do you haul water? <u>Every of their day</u>
How much (in gallons) do you haul at any one time? 25 gallons
What do you use this water for? [[VeStak
Describe the quality of this water: great Und fer, we pay 259 together

ENDAUM NAVAJO LAND USE SURVEY JANUARY 1999
Date of Survey - Jan 3639 Interviewer Mong Smith
Name of Person Interviewed: Linda Jim Mailing Address: P.O. Bx 704 Church Rock NM 87311
P.O. Box or Street Address
Do you have a telephone in your home? Yes No If yes, your phone numbers are: H: W: rell: If no, do you have access to a telephone near your home? Yes No
What is the location of your home? (describe by T-R-S, nearest highway, distance from Chapter House, etc.): <u>Pipeline Road</u> - House # 161 B
(map of location attached? Yes No ) How long have you lived at this location? <u>2 Years : Glupays been around</u> How long has this land been in your family? <u>2 generations</u> How many people are in your family? 1 2 3 4 5 6 more?
Do you use the land for grazing? Yes No If yes, how many acres are used for grazing? <u>Acree</u> If yes, how many head of livestock do you graze? # sheep; # cattle; # horses; # other
Do you use the land for growing crops? (Yes) No If yes, what kind of crops do you grow? (crn, pumkin, squash If yes, how many acres are in crops? 12 acres
Do you have running water in your home? What do you use this water for? Drinking? Cooking? Drinking? Cooking? Ves No Bathing? Irrigation? Livestock? Yes No Cooking Yes No Cooking? Yes No Cooking? Yes No Cooking? Yes No Cooking? Yes No
Describe the quality of this water $\underline{Fin}$ From Pineclale
Do you haul water for any purpose? Yes No
Where do you get this water?
How far away is this?
How often do you haul water?
How much (in gallons) do you haul at any one time?
What do you use this water for?
Describe the quality of this water:

Date of Survey: An 31, 1999 Interviewer MonsSmith	
Name of Person Interviewed: Judy King Mailing Address: P. O.Bx 734 Church Keck, NM 8 P.O. Box or Street Address	73//
Do you have a telephone in your home? Yes No If yes, your phone numbers are: H: W: DO 7215 cell: If no, do you have access to a telephone near your home? Yes No	
What is the location of your home? (describe by T-R-S, nearest highway, distance from Chapter House, etc.): <u> </u>	
(map of location attached? Yes No ) How long have you lived at this location? 33 years How long has this land been in your family? 25 GUAGAAAS	
How many people are in your family? 1 2 4 5 6 more?	
Do you use the land for grazing? Yes No If yes, how many acres are used for grazing? <u>A keige and</u> If yes, how many head of livestock do you graze? # sheep <u>5</u> ; # cattle <u>12</u> ; # horses <u>5</u> ; # other	
Do you use the land for growing crops? Yes No If yes, what kind of crops do you grow? Com, Sonash bears If yes, how many acres are in crops? <u>12 dree</u>	
Do you have running water in your home? What do you use this water for? Drinking? Cooking? Bathing? Irrigation? Yes No Bathing? Yes No	
Livestock? Yes No Describe the quality of this water	,
Do you haul water for any purpose? Yes No Where do you get this water?	·····
How far away is this?	<b>-</b> -
How often do you haul water?	
How much (in gallons) do you haul at any one time?	
What do you use this water for?	
Describe the quality of this water:/	

ate of Survey: 01-30-99 Interviewer Jan. 30, 1999 Marss	72
ame of Person Interviewed: Cherlyn Kasuse + Harnison Kasuse	$\sim$
Tailing Address: PO 273 Church Rock, NM 87311	*
O. Box or Street Address	-
o you have a telephone in your home? Yes No yes, your phone numbers are: H: W: cell: no, do you have access to a telephone near your home? Yes No	
That is the location of your home? (describe by T-R-S, nearest highway, distance from hapter House, etc.): Tabernacle Rd Konse 161	
(map of location attached? Yes No ) tow long have you lived at this location? <u>Over a year</u> tow long has this land been in your family? <u>2 to 3 generations</u> tow many people are in your family? 1 2 3 4 5 6 more?	<b>r</b>
If yes, how many acres are used for grazing? If yes, how many head of livestock do you graze? # sheep; # cattle; # horses; # other	<u> </u>
o you use the land for growing crops? Yes No If yes, what kind of crops do you grow? <u>Crrn, Squash</u> If yes, how many acres are in crops?	
o you have running water in your home? What do you use this water for? Drinking? Cooking? Bathing? Irrigation? Livestock? Yes No	
Describe the quality of this water Somethines good and Somethines wet, when they are putting in new pipes to other b Where do you get this water?	ast
How far away is this?	
How often do you haul water?	
How much (in gallons) do you haul at any one time?	ı
What do you use this water for?	~
Describe the quality of this water:	

ENDAUM	NAVAJO LAN JANUARY		VEY	
and and	JANUAKI	1999	لد بسمور	
Date of Survey RUdiller 31		1.10	AS MU	-1
Name of Person Interviewed	BAU	×1		
Mailing Address: CH RW 141	urchrack	11119	7.27/	
P.O. Box or Street Address	<u>a contary</u>		f :	
Do you have a telephone in your home?	Ves No			
Terra martine and an area TT.	117.	c	ell:	
If no, do you have access to a telephone net	r your home?	Yes No	963 5442	(Missage)
What is the location of your/home? (describ	e by T-R-S, ne	arest highway	, distance from	L
Chapter House, etc.): 4 miles 710	n Bld UN	C Min	***************************************	
	(map of locat	ion attached?	Yes No	)
How long have you lived at this location?	<u>V</u>	4 5		
How long has this land been in your family? How many people are in your family? 1	$\frac{3}{2}$	A 5	6 more?	11
Tow many people are in your rainity?	د ب	عي ع⊷	o anoie?	
If yes, how many acres are used for If yes, how many head of livestock d # sheep; # cattle; # hors Do you use the land for growing crops? If yes, what kind of crops do you gro If yes, how many acres are in crops? Do you have running water in your home?	lo you graze? es <u>/;</u> # oth <u>Yes</u> w? <del>/</del> 0	er No	Lj.	
What do you use this water for?	Drinking?	Yes No		
	Cooking?			
	Bathing? Irrigation?	_	**	
	Livestock?			
Describe the quality of this water	<u>61. ag</u>		***	
Do you haul water for any purpose? Yes	No			
Where do you get this water?	alug ti	$n^{\prime}$		
How far away is this?	eles sta	بر المراجع ( ) م		
How often do you haul water?	Gertley			
			Ballnen	10000000000000000000000000000000000000
How much (in gallons) do you haul a What do you use this water for?	1. Aug	<u>n tran</u>		<u></u>
Describe the quality of this water:				

ENDAUM NAVAJO LAND USE SURVEY JANUARY 1999	mailing
Date of Survey: 01-31-99 Interviewer Maria Smith	
Name of Person Interviewed: Edition Leslie / Lend Leslie Mailing Address: P.O. Bx 2345 Gallup, NM 87305 P.O. Box or Street Address	
Do you have a telephone in your home? Yes No If yes, your phone numbers are: H: W: 563-5369 cell: If no, do you have access to a telephone near your home? Yes No	
What is the location of your home? (describe by T-R-S, nearest highway, distance from Chapter House, etc.): 159A Pipe Rd P	*****
(map of location attached? Yes No ) How long have you lived at this location? How long has this land been in your family? How many people are in your family? 1 2 3 4 5 6 more?	
Do you use the land for grazing? Yes No' If yes, how many acres are used for grazing? If yes, how many head of livestock do you graze? # sheep; # cattle; # horses; # other	~
Do you use the land for growing crops? Yes No If yes, what kind of crops do you grow? Corn, punkui, be this, squash If yes, how many acres are in crops? 12 a cre	
Do you have running water in your home? What do you use this water for? Drinking? Cooking? Tes: No Bathing? Tes: No Irrigation? Livestock? Yes: No	
Describe the quality of this water	<del></del>
Do you haul water for any purpose? Yes No Where do you get this water?	1987 (1-19 5a
How far away is this? <u>25 miles (The 4 ay</u> ) How often do you haul water? <u>every day</u> How much (in gallons) do you haul at any one time? <u>7-109416015</u>	
What do you use this water for? <u>diret King</u> , <u>cor King</u> , <u>ber thing</u>	
Describe the quality of this water:	

Date of Survey: 19 Minung 2	Interviewe	r Me	wiss	Smith	
	Z IL M		X.AMAMAMAMAAAAAAAAAA		<u></u>
Name of Person Interviewed:	ii tu	10			
Mailing Address: Box Aut, G	illyp.	NM			
P.O. Box or Street Address	9				
Do you have a telephone in your home?	Yes No				
If yes, your phone numbers are: H:	W: 8	2.3 38	<i>46</i> се	4:	
Do you have a telephone in your home? If yes, your phone numbers are: H: If no, do you have access to a telephone new	ar your home	? Yes	No	863-5744	2 missinge
What is the location of your home? (describ					
Chapter House, etc.): 4 miles 72m	OH UNC	- Min	e e e e e e e e e e e e e e e e e e e		-
L'				¥7 X7	
How long have you lived at this location?	(map of loc line)	ation atta	iched?	Yes No	
How long has this land been in your family?	1 2 0	13. M.C.A.	ilin	~~	/
How long have you lived at this location? How long has this land been in your family? How many people are in your family? 1	2 3 /	4	5	6 more?	
Do you use the land for grazing? Yes If yes, how many acres are used for If yes, how many head of livestock of # sheep; # cattle; # hors	grazing? <u>/</u> lo you graze?	)			
Do you use the land for growing crops? If yes, what kind of crops do you gro If yes, how many acres are in crops?	Yes Cu	No			<u></u>
Do you have running water in your home?		Yes	No		
What do you use this water for?	Drinking?				
······································	Cooking?	- 1	No		
	Bathing?	Yes	No		
	Irrigation?	Yes	No.		
	Livestock?	Yes	No	~	
Describe the quality of this water	Charg	<u>معمد دی ``</u>		*** **********************************	pyg. gr. Eldent Berezer
Do you haul water for any purpose? Yes	No				
Where do you get this water?	aller	1. M			
and a set of the set o					<u> </u>
How far away is this?	2140	app.	n/X	****	<u> </u>
How often do you haul water?		1			
How much (in gallons) do you haul a	1	-	S. A. S.	Gulli	6- I
What do you use this water for?	\ * <b>≠</b>	- 7		6:20	Isla -
Describe the quality of this water:	1.	1.2.1	••••••••••••••••••••••••••••••••••••••	······································	
	;,,,, <u>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</u>			···· <b>······</b> ··························	

ENDAUM NAVAJO LAND USE SURVEY JANUARY 1999
Date of Survey: Jan. 31, 1999 Interviewer Maris Smith
Name of Person Interviewed: <u>Marian Livingston</u> Mailing Address: <u>F.O. Box 412 Ownill Rock</u> , 717 87311 P.O. Box or Street Address
Do you have a telephone in your home? Yes No If yes, your phone numbers are: H: W: cell: If no, do you have access to a telephone near your home? Yes No
What is the location of your home? (describe by T-R-S, nearest highway, distance from Chapter House, etc.): <u>Fricenta Rozal</u> , <u>2'/2</u> <u>Mule</u> <u>MW</u> <u>HWY</u> 566 <u>ast Multure</u> (map of location attached? Yes No )
How long have you lived at this location? <u>More than 40 tears</u> How long has this land been in your family? <u>4 generations</u> How many people are in your family? 1 2 3 4 5 6 more? <u>1</u>
Do you use the land for grazing? (Yes) No If yes, how many acres are used for grazing? <u>3 Section</u> s If yes, how many head of livestock do you graze? # sheep <u>15</u> ; # cattle; # horses; # other <i>lecturand due to</i> yest <i>inter contransion tran</i>
Do you use the land for growing crops? Yes No <i>UNC Spill</i> If yes, what kind of crops do you grow? <u>In the Dast nat any more</u> because If yes, how many acres are in crops? <u>OF any less</u> .
Do you have running water in your home? What do you use this water for? Drinking? Cooking? Bathing? Irrigation? Livestock? Yes No Pes No No Livestock? Yes No
Describe the quality of this water <u>Sometimes to much Cholonne</u> , it causes the pipes to hist. Do you haul water for any purpose? (Ve) No
Where do you get this water? <u>Fourvio-ter pane</u>
How far away is this? <u>100 22t</u> How often do you haul water?
How much (in gallons) do you haul at any one time?
What do you use this water for? LiveStrik
Describe the quality of this water <u>Good for westock</u>

ENDAUM NAVAJO LAND USE SURVEY JANUARY 1999
Date of Survey: 01-31-99 Interviewer Mains mith
Name of Person Interviewed: Peter Earl / Rose Livingston
Bix 305 Church Reck, NM 87311
P.O. Box or Street Address
Do you have a telephone in your home? Yes No If yes, your phone numbers are: H: W: cell: <u>\ES</u> If no, do you have access to a telephone near your home? Yes No
What is the location of your home? (describe by T-R-S, nearest highway, distance from
Chapter House, etc.): Breen to Road - Hause #
(map of location attached? Yes No )
How long have you lived at this location? <u>20 Yes. rs (6). 12 Rese Livington (45 years</u> )
How long has this land been in your family? <u>4 apprendice of the second </u>
How many people are in your family? 1 2 3 4 5 6 more?
Do you use the land for grazing? Yes No If yes, how many acres are used for grazing? If yes, how many head of livestock do you graze? # sheep; # cattle; # horses; # other
Do you use the land for growing crops? Yes No
If yes, what kind of crops do you grow?
If yes, how many acres are in crops?
Do you have running water in your home? (Yes) No
What do you use this water for? Drinking? Yes No
Cooking? Yes No
Bathing? (Yes No
Irrigation? Yes (No) Livestock? (Yes) No
Describe the quality of this water <u>Scinestines Coolder rus to</u>
Do you haul water for any purpose? Yes No
where do you get this water?
How far away is this?
How often do you haul water?
How much (in gallons) do you haul at any one time?
What do you use this water for?
Describe the quality of this water

Date of Survey: 01-31-99 Interviewer Mons Smith
Name of Person Interviewed: <u>Alton Livingsten</u>
Mailing Address: FO. Box 412 Church Rezk, NM 87311
P.O. Box or Street Address
Do you have a telephone in your home? Yes No If yes, your phone numbers are: H: W: cell: If no, do you have access to a telephone near your home? Yes No
What is the location of your home? (describe by T-R-S, nearest highway, distance from Chapter House, etc.): <u>Sctron 16</u> <u>3°cc.ntr. Kond</u> , <u>Mose Keck</u>
(map of location atjached? I es ino )
How long have you lived at this location? <u>AU Truy like'</u> 36 YEARS How long has this land been in your family? <u>3-4 General persons</u>
How many people are in your family? (1) 2 3 4 5 6 more?
Do you use the land for grazing? Yes No If yes, how many acres are used for grazing? <u>See trans</u> If yes, how many head of livestock do you graze? # sheep; # cattle; # horses; # other
Do you use the land for growing crops? Yes No is, 11 +11 past If yes, what kind of crops do you grow?
If yes, what kind of crops do you grow?
Do you have running water in your home? What do you use this water for? Drinking? Cooking? Mes No Bathing? Yes No Livestock? Yes No Livestock? Yes No
Livestock? (Yes No Describe the quality of this water <u>Fincture</u> , for Auch Chilme
Do you haul water for any purpose? Yes No
Where do you get this water?
How far away is this?
How often do you haul water?
How much (in gallons) do you haul at any one time?
What do you use this water for?
Describe the quality of this water:

licit	LIM KNIL ENDAUM NAVAJO LAND USE SURVEY JANUARY 1999
Date	of Survey: 01-31-99 Interviewer Mons Smith
	ing Address: Bx 512 Church Reck NM 8731
<b>P.O</b> .	Box or Street Address
If ye	you have a telephone in your home? Yes No s, your phone numbers are: H: W: cell: b, do you have access to a telephone near your home? Yes / No //////////////////////////////////
	t is the location of your home? (describe by T-R-S, nearest highway, distance from oter House, etc.): <u>type att Read</u> - <u>House</u> 144
How	(map of location attached? Yes No ) y long have you lived at this location? Since pirth 73 years y long has this land been in your family? 1945 Sicher 34 (1380)
How	many people are in your family? 1 2 3 4 5 6 more? <u>14</u>
Doy	If yes, how many acres are used for grazing? 168 If yes, how many head of livestock do you graze? # sheep <u>fo0</u> ; # cattle; # horses <u>3</u> ; # other # Of 015 45; you use the land for growing crops? Yes <u>No</u> If yes, what kind of crops do you grow? <u>Job Hy</u> <u>Dated is Confairwork</u> If yes, how many acres are in crops? <u>1</u>
Doy	You have running water in your home? What do you use this water for? Drinking? Cooking? Bathing? Irrigation? Livestock? Ves No Livestock? No
	Describe the quality of this water 1/5 heard ward ward in washing pay
Doy	rou haul water for any purpose? Yes No
-	Where do you get this water? dap well from Turn Linkes area.
	How far away is this? Alger 20 miles (enclosed)
	How often do you haul water? <u>Institute a michtik</u>
	How much (in gallons) do you haul at any one time? So colors 160 per M

Date of Survey: 01-31-99 Interviewer Mours Smith
Name of Person Interviewed: <u>Rinnis Invirgiston Amme Livingston</u> Mailing Address: <u>Bx 208 Church Rock, NM 87311</u>
P.O. Box or Street Address
Do you have a telephone in your home? Yes No If yes, your phone numbers are: H:W:cell: If no, do you have access to a telephone near your home? (Yes No Triviplucite- What is the location of your home? (describe by T-R-S, pearest highway, distance from
Chapter House, etc.): Becenti Road - House # 144
(map of location attached? Yes No ) How long have you lived at this location? Since $brH_1$ ; life Hive, $39$ years How long has this land been in your family? $39$ years How many people are in your family? 1 2 3 (4) 5 6 more?
Do you use the land for grazing? (Yes) No If yes, how many acres are used for grazing? If yes, how many head of livestock do you graze? # sheep 18: # cattle; # horses; # other Cive for other par ple's I gut as I weste do
Do you use the land for growing crops? Yes (No) If yes, what kind of crops do you grow? <u>Drynuss</u> the water and land If yes, how many acres are in crops? <u>Contamuration</u> <u>Contamuration</u>
Do you have running water in your home? What do you use this water for? Drinking? Cooking? Yes No Bathing? Yes No Irrigation? Yes No Livestock? Yes No
Describe the quality of this water <u>melk like Churline</u>
Do you haul water for any purpose? Yes No
Where do you get this water?kKes
How far away is this? About 20 miles
How often do you haul water? <u>truice a month</u>
How much (in gallons) do you haul at any one time? <u>30 cfollons</u>
What do you use this water for? <u>ANNKING</u> (CUKING)
Describe the quality of this water: <u>good</u>

ENDAUM NAVAJU LAND USE SURVEY JANUARY 1999				
Date of Survey: 01-31-39	Interviewer Mons Smith			
Name of Person Interviewed: 10/ 1500	Laurie terre Livingston			
Mailing Address:	Laurie tette Livingston Church Rock, NM			
P.O. Box or Street Address				
Do you have a telephone in your home? If yes, your phone numbers are: H: If no, do you have access to a telephone near Munt	ryour home? Yes No			
What is the location of your home? (describe Chapter House, etc.): <u>Treater</u> Row	by T-R-S, nearest highway, distance from			
1586	- JE WAR DEFIN			
	(map of location attached? Yes No )			
How long have you lived at this location?	Marp MAN SU VAUS			
How many people are in your family? 1	2 3 4 5 6 more?			
If yes, how many acres are used for g If yes, how many head of livestock do # sheep; # cattle_ <u>AO</u> ; # horse Jon+ Do you use the land for growing crops? If yes, what kind of crops do you gro If yes, how many acres are in crops? Do you have running water in your home? What do you use this water for?	o you graze? s; # other			
Describe the quality of this water	Bathing? (res No Irrigation? Yes No Livestock? Yes No			
Do you haul water for any purpose? Yes	Diray with with -			
	Tillup Burene: white			
How far away is this?	niles are way			
How often do you haul water?	The a week			
How much (in gallons) do you haul a	t any one time? (Constant)			
What do you use this water for?	Wilking Crising			
Describe the quality of this water	LINCHARKS COURS ALSO ALVER			
	. Sty and spring			

# **US EPA ARCHIVE DOCUMENT**

Date of Survey: Jan. 31, 1999 Interviewer Maris Smith
Name of Person Interviewed: Johnung livingston Mailing Address: P.O., Box 142 Church Rock, NM 8731
D O Box or Street Address
Do you have a telephone in your home? Yes No If yes, your phone numbers are: H: W: cell: If no, do you have access to a telephone near your home? Yes: No
What is the location of your home? (describe by T-R-S, nearest highway, distance from Chapter House, etc.): <u>Highway SCB</u> Huse 709
(map of location attached? Yes No ) How long have you lived at this location? <u>Obut 15 years</u> How long has this land been in your family? <u>3 generations</u>
How many people are in your family? 1 2 3 4 5 6 more?
Do you use the land for grazing? Yes No <b>#4</b> 12 acres If yes, how many acres are used for grazing? <u>Section</u> If yes, how many head of livestock do you graze? # sheep <u>/C</u> ; # cattle <u>4</u> ; # horses <u>4</u> ; # other - Char 6
Do you use the land for growing crops? Yes, No If yes, what kind of crops do you grow? <u>Schash Grans</u> If yes, how many acres are in crops? <u>I cone</u>
Do you have running water in your home? What do you use this water for? Drinking? Cooking? Hes No Bathing? Yes No Irrigation? Livestock? Yes No
Describe the quality of this water
Do you haul water for any purpose? Yes No Where do you get this water? Gillup, Criwn point
How far away is this? Convergeiner. 2 kent 47 miles Gallup 15 miles
How often do you haul water? Mich a week
How much (in gallons) do you haul at any one time? 600 gallons
What do you use this water for? AnnKing, Cocking butking, Ingetian, hereitert
Describe the quality of this water: <u>Cheak water</u> for charking + Conking

Date of Survey: January 30, F	HInterviewer	/	Havis Smith
	ia Livin		/ /
Name of Person Interviewed: $(1 - 0)^{\gamma}$ Mailing Address: $0$	<u>no pivin</u>	<u>1921</u>	
Dex 186	, Chur	żh R	e mm
P.O. Box or Street Address			
Do nou house a talambana in sour home?	Yes No		
Do you have a telephone in your home? If yes, your phone numbers are: H:			cell:
If no, do you have access to a telephone ne	ar your home?	Yes	(No)
What is the location of your home? (descrit			
Chapter House, etc.): <u>Seconti</u>	LP RE	nsc	<u>H</u>
	, (map of loca		÷
How long have you lived at this location?			
How long has this land been in your family? How many people are in your family? 1 (	23 gu	<u>KRTA</u>	5 6 more?
The teamy people are in your rainity: 1 (	£ 5	4	J O more:
Do you use the land for grazing? (Yes)	No	~	
If yes, how many acres are used for		bacu	25
If yes, how many head of livestock	• •		
# sheep $5$ ; # cattle $-$ ; # hor	ses; # oti	her	·····
H Got Do you use the land for growing crops?	Neto	No	
If yes, what kind of crops do you gr	own Com	Serug	iste beans
If yes, how many acres are in crops	?	1	
Do you have running water in your home?		Yes	No
What do you use this water for?	Drinking? Cooking?	Yes Yes	No No
	Bathing?	Yes	No
	Irrigation?	Yes	No
	Livestock?	Yes	No
Describe the quality of this water			
Do you haul water for any purpose Ves	No		
Where do you get this water?	эШир		
How far away is this?7/2	2 DUE WO	ry	
How often do you haul water?	nce a	wee !	k
How much (in gallons) do you haul	at any one time	? 5	5 Yallen
What do you use this water for?	inking , Co	King	, botting, irrigotion, livested
Describe the quality of this water:	9000 1	clean	water; not sally
	J		

ENDAUM NAVAJO LAND USE	SURVEY
JANUARY 1999	

Date of Survey: January 30, 1999 Interviewer MOVS Stuff
Name of Person Interviewed: //////////////////////////////
DX 142 Church Eark NM 8B1/
P.O. Box or Street Address
Do you have a telephone in your home? Yes No
If yes, your phone numbers are: H: W: cell:
If no, do you have access to a telephone near your home? Yes No
What is the location of your home? (describe by T-R-S, nearest highway, distance from Chapter House, etc.): $R(CRH Rd - HOUSOS4D$
(map of location attached? Yes No ) How long have you lived at this location? $\leq (102 \text{ brAft}^{+} \text{ brAft}^{+})$
How long have you lived at this location? <u>SINCL DUAR</u> 66 VRUS
How many people are in your family? I 2 (3) 4 5 6 more?
Do you use the land for grazing? Yes No
Do you use the land for grazing? (Yes) No If yes, how many acres are used for grazing?
If yes, how many head of livestock do you graze?
# sheep 22; # cattle; # horses; # other
and the second s
Do you use the land for growing crops? Yes No If yes, what kind of crops do you grow? (MSRUAS)
If yes, how many acres are in crops? AULS
$\sim$
Do you have running water in your home? Yes No
What do you use this water for? Drinking? Yes No Cooking? Yes No
Bathing? Yes No
Irrigation? Yes No
Livestock? Yes No
Describe the quality of this water
Do you haul water for any purpose Yes No
Where do you get this water? <u><u><u>Gerlup</u></u></u>
How far away is this? <u>J1/2 mile (one with J</u>
How often do you haul water? X G Wilch
How much (in gallons) do you haul at any one time? 250 GALLONS
What do you use this water for? Miking, Wiking, Wiking, Dething, Unophy, Weelock
Describe the quality of this water _ Gran With Fram Giller

ENDAUM NAVAJO LAND USE SURVEY , JANUARY 1999
Date of Survey: Van 30, 1000 Interviewer Mons Fauth
Name of Person Interviewed: MONINA LIVINGSTOL Mailing Address: P. O. Box 142 Church ROZK, NM 81311 P.O. Box or Street Address
Do you have a telephone in your home? Yes No If yes, your phone numbers are: H: W: cell: If no, do you have access to a telephone near your home? Yes No
What is the location of your home? (describe by T-R-S, nearest highway, distance from Chapter House, etc.): <u>PPRIMERAL HOUSE 54B</u>
(map of location attached? Yes No ) How long have you lived at this location? <u>A FAG tame are birth</u> <u>GIYEARS</u> How long has this land been in your family? <u>HONY YANGS</u> <u>B GEACCATIONS</u> How many people are in your family? 1 2 3 4 5 6 more?
Do you use the land for grazing? Yes No If yes, how many acres are used for grazing? If yes, how many head of livestock do you graze? # sheep 42; # cattle; # horses # other # grat; Do you use the land for growing crops? (Yes No If yes, what kind of crops do you grow? Cron Septimisch If yes, how many acres are in crops?
Do you have running water in your home? What do you use this water for? Drinking? Cooking? Hes No Bathing? Yes No Livestock? Yes No
Describe the quality of this water
Do you haul water for any purpose Yes No Where do you get this water?
How far away is this? <u>912</u> miles (Me Way) How often do you haul water? <u>ONCE O WPEK</u>
How much (in gallons) do you haul at any one time? 22 92 1675
What do you use this water for? drukking arking bething in gotter westerk
Describe the quality of this water: Good WELLY from Gattup

Just - livestock groz
JANUARY 1999
Date of Survey: 01.31.99 Interviewer Maris Smith
Name of Person Interviewed: Sata Montaya Mailing Address: <u>P.O. Box HO4</u> Gallup, N.M. 87305-0404 P.O. Box or Street Address
Do you have a telephone in your home? Yes No If yes, your phone numbers are: H: $\underline{7.22.4117}$ W: $\underline{722.4411}$ cell: $\underline{44.2858}$ If no, do you have access to a telephone near your home? Yes, No
What is the location of your home? (describe by T-R-S, nearest highway, distance from Chapter House, etc.):
Chapter House, etc.):
If yes, how many acres are in crops? Do you have running water in your home? What do you use this water for? Drinking? Cooking? Bathing? Irrigation? Yes No Bathing? Yes No
$\begin{array}{c} \text{Livestock? Yes } \\ \text{Describe the quality of this water } \\ \hline \hline$
Do you haul water for any purpose? Yes No Where do you get this water? <u>Janup Churchrock</u> Crundoint
How far away is this? <u>30 or more</u>
How often do you haul water? daily
How much (in gallons) do you haul at any one time? 100 Gallers
What do you use this water for? <u>drinking</u> , <u>cocking</u> , <u>hcrses</u> + <u>cattle</u>
Describe the quality of this water. Salfly, hardwater

ENDAUM NAVAJO LAND USE SURVEY
JANUARY 1999
Date of Survey: Jon 31, 1999 Interviewer Mons Smith
Name of Person Interviewed: <u>Alfved /Vera Murphy</u> Mailing Address:
P.O. Box 358 Church Pozk NM
P.O. Box or Street Address
Do you have a telephone in your home? Yes No If yes, your phone numbers are: H: NO W: cell: 1870-0467 If no, do you have access to a telephone near your home? Yes No
What is the location of your home? (describe by T-R-S, nearest highway, distance from Chapter House, etc.): A 163 Pipeline Rd - Pural address
dannwing from unc trailing.
(map of location attached? Yes No )
How long have you lived at this location? <u>Alfred - Alliny 1. E. 30</u> Veral 10 Years
How long has this land been in your family? 3 generations
How many people are in your family? 1 2 3 4 5 6 more?
Do you use the land for grazing? (Yes) No If yes, how many acres are used for grazing? I mile square mile If yes, how many head of livestock do you graze? # sheep; # cattle_20; # horses_3_; # otherSuelfion
A With The second New
Do you use the land for growing crops? Yes No If yes, what kind of crops do you grow?
If yes, how many acres are in crops?
Do you have running water in your home?
What do you use this water for? Drinking? Yes No
Cooking? Yes No
Bathing? Yes No
Irrigation? Yes No
Describe the quality of this water All Will
Do you haul water for any purpose? (Yes No
Where do you get this water? Windmill; near by
How far away is this? 1/2 3 mile A/quiter of a mile
How often do you haul water? Twice a week to U
How much (in gallons) do you haul at any one time? 100 sollon in 2 week
What do you use this water for? MY-265
Describe the quality of this water: Just for livestock purpose

ENDAUM NAVAJO LAND USE SURVEY JANUARY 1999
Date of Survey: <u>fan 31 1999</u> Interviewer <u>Marson</u>
Name of Person Interviewed: <u>Asic Lesties Ray Murphy</u> Mailing Address: <u>P. D. Box 703 Church Rock</u> , NM 873/ P.O. Box or Street Address
Do you have a telephone in your home? Yes No If yes, your phone numbers are: H:
What is the location of your home? (describe by T-R-S, nearest highway, distance from Chapter House, etc.): LOCAL CANYON, RA 187D
(map of location attached? Yes No ) How long have you lived at this location? <u>SO HORS</u> How long has this land been in your family? <u>3 generotion</u> How many people are in your family? <u>1</u> 2 3 4 5 6 more?
Do you use the land for grazing? Yes No If yes, how many acres are used for grazing? <u>3 mileo</u> Square If yes, how many head of livestock do you graze? # sheep <b>30</b> : # cattle <u>Son</u> : # horses <u>9n</u> ; # other # Jo 3t 7 Do you use the land for growing crops? Yes No If yes, what kind of crops do you grow? <u>Greye</u> <u>COM</u> , <u>pumKin</u> <u>potatoes</u> If yes, how many acres are in crops? <u>16000000000000000000000000000000000000</u>
Do you have running water in your home? What do you use this water for? Drinking? Cooking? Bathing? Irrigation? Livestock? Yes No
Describe the quality of this water <u>Clean from The dale</u>
Do you haul water for any purpose? Yes No Where do you get this water?
How far away is this? <u>10 miles the way</u> How often do you haul water? <u>Once a Week</u>
How much (in gallons) do you haul at any one time? 2 provels
What do you use this water for? IVESTOR horses cartle, sheep
Describe the quality of this water: Good also winkoffe

ENDAUM NAVAJO LAND USE SURVEY JANUARY 1999
Date of Survey: Jan 30, 1998 Interviewer MONSGMM
Name of Person Interviewed: Annie Nez /Alfred Nez
Name of Person Interviewed: <u>Annie Nez</u> <u>Alfred Nez</u> Mailing Address: <u>POBX 703</u> Church Rock, NM 873/1
P.O. Box or Street Address
Do you have a telephone in your home? Yes No If yes, your phone numbers are: H: W: 722:38:76 cell: If no, do you have access to a telephone near your home? Yes No
What is the location of your home? (describe by T-R-S, nearest highway, distance from Chapter House, etc.): <u>Pipeline Rd 187C</u>
(map of location attached? Yes No ) How long have you lived at this location? <u>All My life</u> , <u>wer So years</u> . How long has this land been in your family? <u>3</u> <u>Reperchions</u> or <u>More</u> .
How long has this land been in your family? <u>3 Reperchans or more</u> How many people are in your family? 1 2 3 4 5 6 more? <u>7 including</u>
Do you use the land for grazing? Yes No If yes, how many acres are used for grazing? If yes, how many head of livestock do you graze? # sheep GO; # cattle 75; # horses 3; # other
Do you use the land for growing crops? (Yes) No If yes, what kind of crops do you grow? <u>Cryn Squash</u> If yes, how many acres are in crops? <u>I a cree</u>
Do you have running water in your home? What do you use this water for? Drinking? Cooking? Irrigation? Livestock? Yes No Livestock? Yes No
Describe the quality of this water
Do you haul water for any purpose? Yes No
Where do you get this water? <u>Sometimes from Gallup, nearby</u> Windhull
How far away is this? Gallup 20 miles / Windmill 1/2 mile
How often do you haul water? - twice a week
How much (in gallons) do you haul at any one time? 50 Jauons
What do you use this water for? MAYSES
Describe the quality of this water:

ENDAUM NAVAJO LAND USE SURVEY JANUARY 1999
Date of Survey: DU 31, 1999 Interviewer Nove South
Name of Person Interviewed: <u>AHa Yazzie / Delbert Autimio / Billy</u> Ya. Mailing Address: <u>Box 748 Church Rock, NM</u>
P.O. Box or Street Address
Do you have a telephone in your home? Yes No If yes, your phone numbers are: H: W: cell: If no, do you have access to a telephone near your home? Yes No
What is the location of your home? (describe by T-R-S, nearest highway, distance from Chapter House, etc.): (Xal Cawyon Rd H
(map of location attached? Yes No ) How long have you lived at this location? How long has this land been in your family? How many people are in your family? 1 2 3 4 5 6 more?
Do you use the land for grazing? Yes No If yes, how many acres are used for grazing? If yes, how many head of livestock do you graze? # sheep; # cattle; # horses; # other Do you use the land for growing crops? Yes ZNO NO If yes, what kind of crops do you grow? If yes, how many acres are in crops?
Do you have running water in your home? What do you use this water for? Drinking? Cooking? Bathing? Irrigation? Livestock? Yes No Bathing? Yes No Livestock? Yes No
Describe the quality of this water
Do you haul water for any purpose? Yes No Where do you get this water? <u>Kelebeth</u>
Where do you get this water? <u>KeldDoTh</u>
How far away is this? 11 miles (one way)
How often do you haul water? <u>every week</u>
How much (in gallons) do you haul at any one time? 2 gallon
What do you use this water for? drinking withing withing, Cleaning
Describe the quality of this water: Clean Water

Date of Survey: 61-30-99	Interviewer		Jan	30,1999	Mars Smith
Name of Person Interviewed: <u><u><u>Ryper</u></u> Mailing Address:</u>	Willian Juistre		Ca	14p ; NI	<u></u>
P.O. Box or Street Address	<u></u>	y		7/	······································
Do you have a telephone in your home? If yes, your phone numbers are: H: If no, do you have access to a telephone nea	W: r your home?	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		-	e Thn A-sto,
What is the location of your home? (describe Chapter House, etc.): <u>2-locpos</u>			gnway, d /Q/	)	
How long have you lived at this location? How long has this land been in your family? How many people are in your family? 1		tion atta Jife Gene 4 (	فكسر ك	Yes No $\frac{161}{45}$ $\frac{45}{45}$ $\frac{76}{45}$ $\frac{100}{6}$ more?	ents eneration
Do you use the land for grazing? Yes If yes, how many acres are used for y If yes, how many head of livestock d # sheep 5; # cattle 2; # hors # 9005 Do you use the land for growing crops? If yes, what kind of crops do you gro If yes, how many acres are in crops?	o you graze? es; # oth Yes Com w? <u>apple</u>	her		beans grape, aj	pnæts, tree
Do you have running water in your home? What do you use this water for? Describe the quality of this water	Drinking? Cooking? Bathing? Irrigation? Livestock?	Yes Yes Yes Yes Yes Yes	No No No No No No		
Do you haul water for any purpose Yes Where do you get this water?	No bana lun	abar.	Chus	nh Bock	State
Pork, Rehoboth Chin		hal	<u> </u>		······································
How far away is this? <u>Sor</u>	9-mile	:3 (0	ne w	ry)	
How often do you haul water?	mce a	weet	<;.8	métime	2X aweek
How much (in gallons) do you haul a	t any one time	:? <u> </u>	É (6	illars	
What do you use this water for? $\underline{\mathcal{M}}$	nkini), (ci	King	both	ic, IMAGDI	han, Iwestert
Describe the quality of this water:	0-10;	1.13	abo	<u>F5,</u>	7

Date of Survey: 01-30-99 Interviewer Jan. 30, 1999 Mours S. J
Name of Person Interviewed: Tom Williams and an Williams Mailing Address: P. D. Box 2654 Gallup, nm 82305 P.O. Box or Street Address
Do you have a telephone in your home? Yes No If yes, your phone numbers are: H: W: cell: If no, do you have access to a telephone near your home? Yes No Deadhorse Thrift Store
What is the location of your home? (describe by T-R-S, nearest highway, distance from Chapter House, etc.): <u>Happy Valley</u> B6A
(map of location attached? Yes No ) How long have you lived at this location? <u>Tom Williams - Over</u> How long has this land been in your family? <u>Many generators post a from grandplanged</u> How many people are in your family? 1 (2) 3 4 5 6 more? <u>mer</u>
Do you use the land for grazing? Yes No If yes, how many actes are used for grazing? <u>B</u> <u>Corres</u> If yes, how many head of livestock do you graze? # sheep <u>70</u> ; # cattle; # horses; # other
Do you use the land for growing crops? Yes No If yes, what kind of crops do you grow? On Gwash, blans If yes, how many acres are in crops? <u>3 acres</u>
Do you have running water in your home? What do you use this water for? Drinking? Cooking? Hes No Bathing? Yes No Irrigation? Livestock? Yes No
Describe the quality of this water
Do you haul water for any purpose? (Ve) No Where do you get this water? <u>Church Rozk</u> , <u>Red Pozk State Park</u>
How far away is this?
How often do you haul water? 2x a week
How much (in gallons) do you haul at any one time? 165 Jallon
What do you use this water for Trinking Cooking Bathing Impation Wester
Describe the quality of this water Good Wates Haste Good

ENDAUM	NAVAJO	LAND	USE	SURVEY		
JANUARY 1999						

Date of Survey: Jan 31, 1999 Interviewer MONS Smith
Name of Person Interviewed: Whiterek
Mailing Address: P.D. BX 478 Church Rock, MM
P.O. Box or Street Address /
Do you have a telephone in your home? Yes No Si 756-554 If yes, your phone numbers are: H: W: cell: If no, do you have access to a telephone near your home? Yes No
What is the location of your home? (describe by T-R-S, nearest highway, distance from Chapter House, etc.): Fipeline Rel (Thise 20/
(map of location attached? Yes No) How long have you lived at this location? all my life 5/ neuro
How long has this land been in your family? 3 generication
How many people are in your family? 1 2 $3\sqrt{4}$ (5) 6 more?
Do you use the land for grazing? Yes No If yes, how many acres are used for grazing? <u>A large area</u> If yes, how many head of livestock do you graze? # sheep <u>3</u> ; # cattle <u>23</u> ; # horses <u>F</u> ; # other
Do you use the land for growing crops? Yes (No
If yes, what kind of crops do you grow?
If yes, how many acres are in crops?
Do you have running water in your home? What do you use this water for? Drinking? Cooking? Yes No Bathing? Yes No Livestock? Yes No
Describe the quality of this water <u>Is hard water</u>
Do you haul water for any purpose? Yes No
Where do you get this water? Sometimes from Callup or
- nearby Windmill
How far away is this? Hallup; Homeles (ou way) Windmill (1/2 mile)
How often do you haul water? Once a week
How much (in gallons) do you haul at any one time? <u>50 addla</u>
What do you use this water for? <u>11005 FZR</u>
Describe the quality of this water: Ballup Water is they freated

0 pulso Mun C all
Date of Survey: Jak 31 1999 Interviewer MEASSMITH
Name of Person Interviewed: / ucu / le White rock
P.O. Box 478 Church Rock, NM
P.O. Box or Street Address
Do you have a telephone in your home? Yes No
If yes, your phone numbers are: H: W: cell:
If no, do you have access to a telephone near your home? Yes No
What is the location of your home? (describe by T-R-S, nearest highway, distance from
Chapter House, etc.): 3 miles (pipeline Rot House 201A-
(map of location attached? Yes No )
How long have you lived at this location? <u>All my life</u> ; over 30 years
How long has this land been in your family? <u>3 quercher</u> How many people are in your family? 1 2 3/ 4 (5) 6 more?
Do you use the land for grazing? (Yes.) No $age group 13-5/$
Do you use the land for grazing? (Yes) No
If yes, how many acres are used for grazing? 2 large and
# sheep 3; # cattle 23; # horses 7; # other
Do you use the land for growing crops? Yes (No)
If yes, what kind of crops do you grow?
If yes, how many acres are in crops?
Do you have running water in your home? (Yes No
What do you use this water for? Drinking? (Yes) No
Cooking? Ves No
Bathing? Yes No.
Irrigation? Yes No
Livestock? Yes No
Describe the quality of this water II-STRENG CACH Hard
Do you haul water for any purpose? Yes No
Where do you get this water? Sometimes from Gallys or
(Vindmill and a
How far sway is this? Kalley 20 miles Und mile Vmile
How often do you haul water? ONCE a week
How much (in gallons) do you haul at any one time? 5002000
What do you use this water for? IVESTON
Describe the quality of this water: <u>CACLAS HEATER</u>

Date of Survey: Febmany 6, 199	<u>2</u> Interviewer	M	<u>əvis</u>	Smi	42	
<i>i i i</i>	\$					
Name of Person Interviewed: <u>107</u> Mailing Address: P. O. Box 2	197 6	atty	o n	m		
P.O. Box or Street Address		<del>/</del>	7			······································
Do you have a telephone in your home? If yes, your phone numbers are: H: If no, do you have access to a telephone nea	w: <u>7</u>			u: <u>870</u>	- de Y/	
What is the location of your home? (describ Chapter House, etc.): $/ m/ks$	e by T-R-S, n <u>north</u>	earest hi の く	ghway,	distance fro	566	
How long have you lived at this location? How long has this land been in your family?	(map of loca LIFC H More +	me.		Yes N	(o)	₩₩
How many people are in your family? I	2 3	4	5	б mor	e?	
Do you use the land for grazing? Yes If yes, how many acres are used for p If yes, how many head of livestock d # sheep $\underline{6}$ ; # cattle $\underline{10}$ ; # hors	lo you graze?					
Do you use the land for growing crops? If yes, what kind of crops do you gro If yes, how many acres are in crops?		No				
Do you have running water in your home? What do you use this water for?	Drinking? Cooking? Bathing? Irrigation? Livestock?	Yes Yes Yes Yes Yes Yes	No No No No No			
Describe the quality of this water		103				*****
	No Red Port	v < c	tate	Dut	*	
Where do you get this water?	<u>va kea</u>	<u> </u>	RUC.	MUL	<u> </u>	<u></u>
How far away is this?	2 (One	K WA	4			
How often do you haul water?	three	<u>a</u> u	NK		- Anima	k).
How much (in gallons) do you haul a	t any one time	e?	20° (	fallon	<u>o (dom</u>	sticuse
What do you use this water for?	tinke	<u>z, (</u>	USKA	hy l	Dathing	۵۶ 
Describe the quality of this water:	good	/ **		· · · ·	Ú	·
Simmer Alexan	v )\1 ?~~	p	rt.	· ~ · · ·	[	

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ENDAUM NAVAJO LAND USE SURVEY JANUARY 1999
Date of Survey: February 6, 1999 Interviewer Maris Smith
Name of Person Interviewed: <u>prothy King</u> Mailing Address: <u>PO. Box 5296 Gallup</u> , MM 87305 P.O. Box or Street Address
Do you have a telephone in your home? Yes M If yes, your phone numbers are: H: W: 772-1492 cell: If no, do you have access to a telephone near your home? Yes No
What is the location of your home? (describe by T-R-S, nearest highway, distance from Chapter House, etc.): 7 miles moth on State Rd 566
(map of location attached? Yes No ) How long have you lived at this location? <u>Ifetime</u> How long has this land been in your family? <u>SO wears and more</u> How many people are in your family? 1 2 3 4 5 6 more?
Do you use the land for grazing? Yes No If yes, how many acres are used for grazing? <u>480 a cres</u> If yes, how many head of livestock do you graze? # sheep; # cattle; # horses; # other
Do you use the land for growing crops? Yes No If yes, what kind of crops do you grow?
Do you have running water in your home? What do you use this water for? Cooking? Bathing? Yes No Irrigation? Livestock? Yes No
Describe the quality of this water
Do you haul water for any purpose? Yes No Where do you get this water? <u>RCA Reck State Park</u>
How far away is this? <u>14 miles (round thp</u> How often do you haul water? <u>twice a wcck</u> How much (in gallons) do you haul at any one time? <u>50 (1211015</u>
What do you use this water for? <u>dianking</u> (wKing, <u>bathing</u> ) Describe the quality of this water: <u>000</u>
J

ENDAUM NAVAJO LAND USE	SURVEY
JANUARY 1999	

Date of Survey: February 6, 19	99Interviewer Maris Smith
Name of Person Interviewed: Rita	
Do you have a telephone in your home? If yes, your phone numbers are: H: If no, do you have access to a telephone near	$\begin{array}{c c} \hline Yes & No \\ \hline W: & \underline{\forall es} & cell: & \underline{\forall es} \\ \hline ar your home? & Yes & No \end{array}$
What is the location of your home? (describ Chapter House, etc.): $M(ICS)$	
How long have you lived at this location? How long has this land been in your family? How many people are in your family? 1 Do you use the land for grazing? Yes If yes, how many acres are used for p If yes, how many head of livestock d # sheep; # cattle[]; # hors Do you use the land for growing crops? If yes, what kind of crops do you gro	$\frac{2}{3} \frac{4}{5} \frac{5}{6} \text{ more?}$ No grazing? $\frac{480}{100}$ lo you graze? es_1; # other 3 dags Yes (No)
If yes, how many acres are in crops? Do you have running water in your home?	
What do you use this water for?	Drinking?YesNoCooking?YesNoBathing?YesNoIrrigation?YesNo
Describe the quality of this water	Livestock? Yes No
Do you haul water for any purpose? Yes Where do you get this water?	No Rehabeth
How far away is this? 12	(one way)
How often do you haul water?	3 X a week
How much (in gallons) do you haul a	
What do you use this water for? <u>di</u>	rinking cooking, bathing, livestock
Describe the quality of this water:	gaa J

Date of Survey: February 6, 1999 Interviewer Maris Smith
Name of Person Interviewed: Trene Eskeets
Mailing Address: P. D. Box 308 Church Rock, NM 87311
D C Dow or Streat Address
Do you have a telephone in your home? Yes No If yes, your phone numbers are: H:W:cell: If no, do you have access to a telephone near your home? Yes No
What is the location of your home? (describe by T-R-S, nearest highway, distance from Chapter House, etc.):
(map of Jocation attached? Yes No )         How long have you lived at this location?         If E HIME         How long has this land been in your family?         If E HIME         How many people are in your family?         I         I         I         II         II         II         How many people are in your family?         II         II         II         II         III         III         III         IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII
Do you use the land for grazing? Yes No If yes, how many acres are used for grazing? If yes, how many head of livestock do you graze? # sheep; # cattle; # horses; # other
Do you use the land for growing crops? Yes No If yes, what kind of crops do you grow? If yes, how many acres are in crops?
Do you have running water in your home? What do you use this water for? Drinking? Cooking? Bathing? Irrigation? Yes No
Describe the quality of this water <u>Livestock?</u> Yes <u>No</u>
Do you haul water for any purpose? (Yes No
Where do you get this water? <u>City of Gallup</u>
How far away is this? 30 miles mind thip
How often do you haul water? Once a wiek
How much (in gallons) do you haul at any one time? $\frac{20}{20}$ $9000000000000000000000000000000000000$
What do you use this water for? <u>driking and cocking</u>
Describe the quality of this water: <u>900</u>

Date of Survey: February 6, 1999 Interviewer Marin Smith
Date of Survey: <u>February</u> 6, 1999Interviewer <u>Marin Smith</u> Name of Person Interviewed: <u>OLIS</u> and <u>BESSIE</u> ESKeet Mailing Address:
P.O. Box or Street Address
Do you have a telephone in your home? Yes No If yes, your phone numbers are: H: W: cell: If no, do you have access to a telephone near your home? Yes No
What is the location of your home? (describe by T-R-S, nearest highway, distance from Chapter House, etc.):
(map of location attached? Yes No ) How long have you lived at this location? <u>If e h me</u> 75 years <b>F</b> How long has this land been in your family? <u>If e h me</u> How many people are in your family? <u>If e h me</u> How many people are in your family? <u>If e h me</u>
Do you use the land for grazing? Yes No If yes, how many acres are used for grazing? <u>320 acres</u> If yes, how many head of livestock do you graze? # sheep <u>20</u> ; # cattle; # horses; # other
Do you use the land for growing crops? Yes No If yes, what kind of crops do you grow?
Do you have running water in your home? What do you use this water for? Drinking? Cooking? Bathing? Livestock? (Yes) No Livestock? (Yes) No (Yes) No (Yes) No (Yes) No (Yes) No (Yes) No (Yes) No (Yes) No
Describe the quality of this water taste fron ny joo much Chi Mi
Do you haul water for any purpose? Re No
Where do you get this water?
How far away is this? SO M/CS
How often do you haul water? Menthy - weekly
How much (in gallons) do you haul at any one time? <u>50 Gallong</u>
What do you use this water for? drunker pocking
Describe the quality of this water: