

US EPA ARCHIVE DOCUMENT

Southwest Arkansas Environmental Improvement Project

Project Overview

April 6, 2004

Fresh Water Spill Symposium

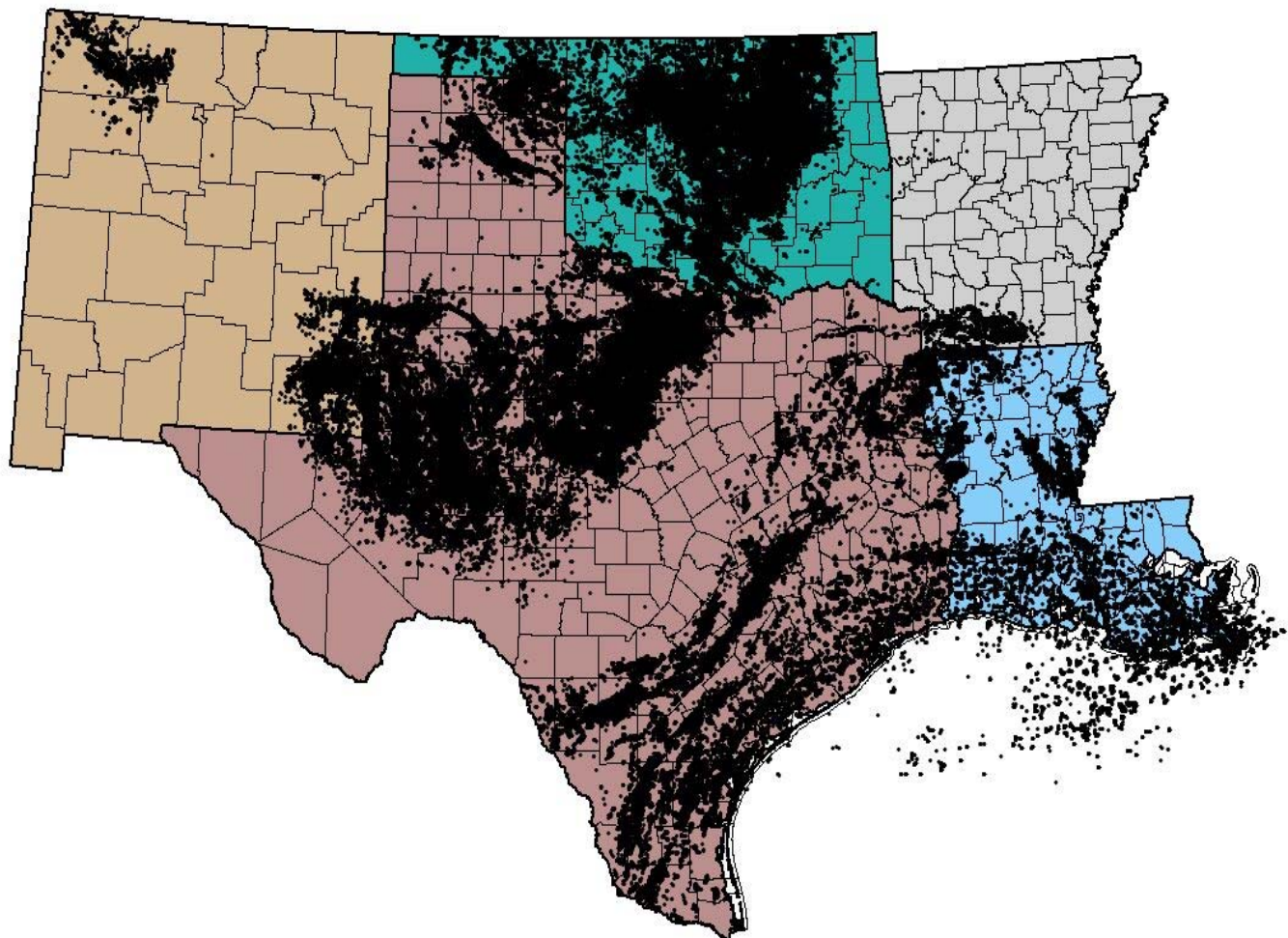
Exploration & Production

- Approximately 1.6 million wells drilled in Region Six since early days of production.
- Of this number, 600,000 are currently active.
- Some 220,000 of these are marginal wells.

➤ Marginal wells produce less than 10 barrels of oil per day

5/13/2004

Estimated Number of Wellheads in Region 6



Background



Project Goals

- Protect public health and the environment through the use of innovative strategies and partnerships,
 - 1) To effect positive changes both in issues of environmental concern and spill prevention practices.
 - 2) To address waste management practices regarding oil pits.
 - 3) To clean up past and present spills.
 - 4) To attempt to reduce the likelihood of future reoccurrences of such incidences and finally,
 - 5) To increase the overall level of compliance awareness in the oil and gas community.

South West Arkansas Environmental Improvement Project

Project Partners

- **Federal Partners**

- **United States Environmental Protection Agency (USEPA)**
- **United States Fish & Wildlife Service (USFWS)**

- **State Partners**

- **Arkansas Department of Environmental Quality (ADEQ)**
- **Arkansas Oil & Gas Commission (AOGC)**
- **Arkansas Game & Fish**
- **Oil Producers Association of Arkansas (OPAA)**

-

Implementation Breakout

➤ Project Management

- Site Assessment Database
- Scheduling & Logistics Calendar
- Geographical Mapping
- Communications (E-mail/Phone Conferencing)

➤ Voluntary Compliance Initiatives

- Workshops
- Self Inspection Checklists
- Compliance Assistance Guides
- Internet Information

Access

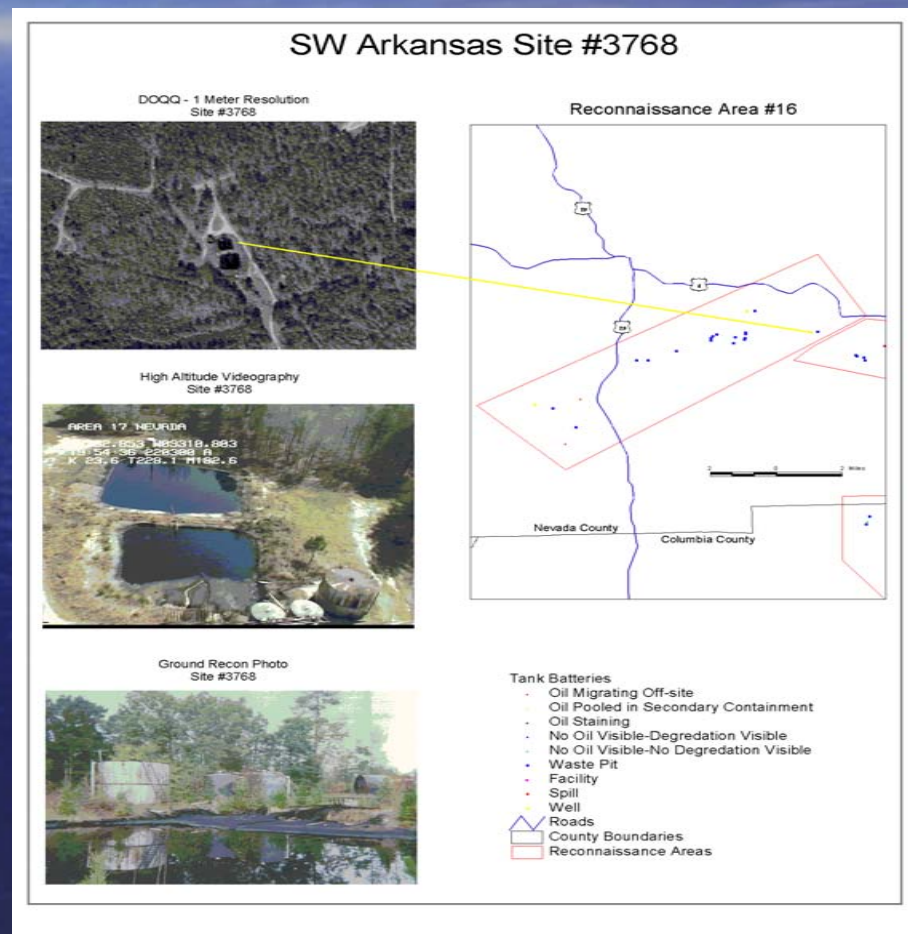
5/13/2004

➤ Implementation Toolbox

- Promote Voluntary Compliance
- Announced Inspections
- Enforcements Referrals
- Spill Monitoring
- Federal/State Lead Removal Actions

Operational Parameters

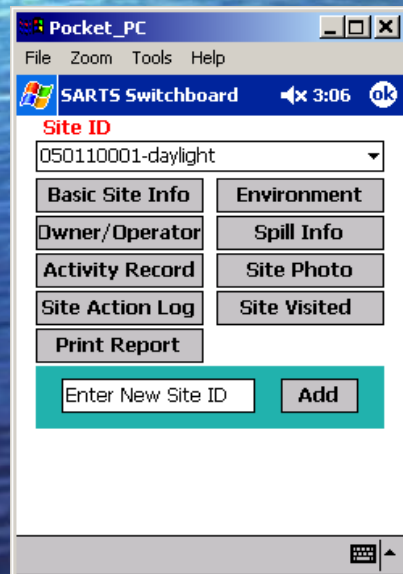
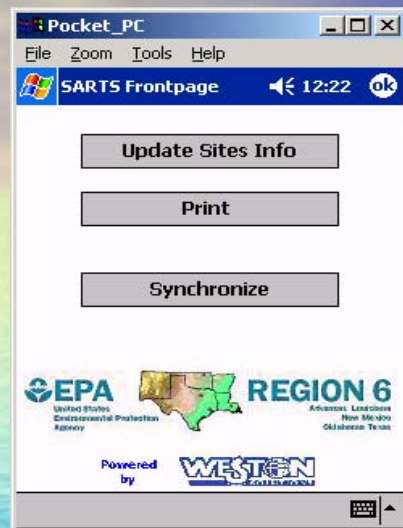
- Phase I – Data Gathering
 - Photographic Analysis
 - Site Assessment/Characterization
 - Responsible Party Identification
 - Site Prioritization
- Phase II – Implementation Strategies
 - Voluntary Compliance Initiatives (VCI)
 - Compliance Inspections
 - Enforcement Referrals
 - Spill Response
 - Site Cleanups



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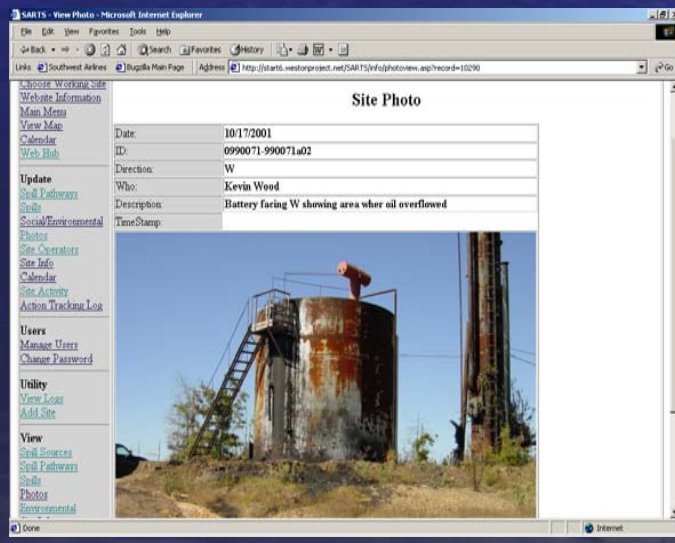
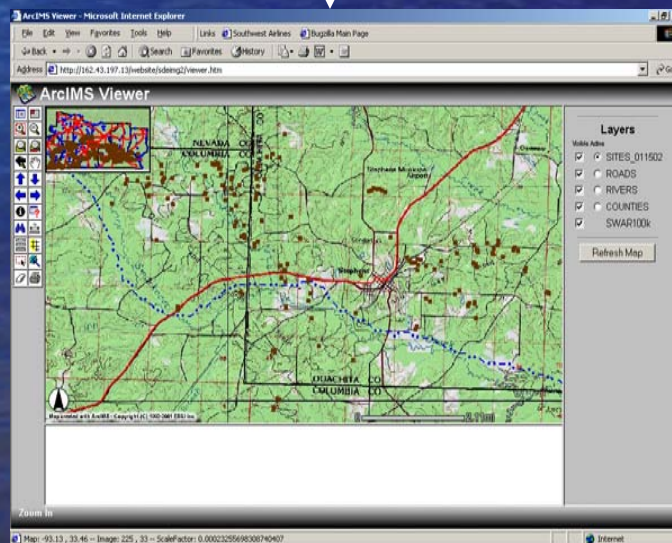
SARTS – OPA Recon Application

Mobile Applications



5/13/2004

Secure Web Applications



SARTS – PDA Application

Mobile Data Collection Applications

Pocket_PC SARTS Frontpage

File Zoom Tools Help

12:22

Update Sites Info

Print

Synchronize

REGION 6

WESTON

Pocket_PC2 Site Basic Information

File Zoom Tools Help

12:35p

Site ID: 1030036

Lease / Site Name: could not locate

Latitude North: 33.40305

Longitude West: -92.730966

ADEQ_CCSN#: NA

OnG_Comm#: NA

ADEQ_SWD_Permit#: NA

NRC#: NA FPN#: NA

TDD#: NA DCN#: NA

Recommended Action

RCRA ☐ Removal ☐

SUFWS ☐ Spill Response ☐

Compliance Inspection ☐

Address, etc. Foot Notes

Pocket_PC FormSpill

File Zoom Tools Help

12:33

Site ID: 050990024

Spill Condition: 1-Present/Historical

Spill Volume: 23-Minor

Spill Oil: 16-Asphaltic/Live

Spill Water: 25-Salt Water

Spill Debris: 13-None

Media Affected Water: 11-Yes

Media Affected Soil: 10-Asphaltic

Spill Impacted: 8-Yes

Spill Potential: 18-High

Cancel >> Spill Source Spill Way

PocketPC_duttr2

File Zoom Tools Help

ArcPad

Handle: 28°51'37"N 94°27'53" 1:356113

1:41

Mobile GIS

SARTS – Secure Web Site

SARTS - General Site Information - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address: http://sarts6.westonproject.net/SARTS/info/general.asp

Site Assessment Reconnaissance Tracking System

Site Information

General Information

View Map

Site ID: 050990071	Site Name: Nevada LLC Irma Nacatoch Saw D Unit		
FFN No: NA	TDD No: NA	NERC No: NA	DCN No: NA
ADEQ SWD Permit No: NA	ADEQ SWD CCN No: NA	OnG Comm No: NA	

Site Status: Active

Action Recommended:

- Compliance Inspection: Yes
- Spill Response: No
- USEFS: Yes
- RCRA: No
- Removal: No

Legal Description

Legal Description	State: AR	County/Parish: NEVADA
Section: NA	Township: NA	Range: NA
Latitude: 33.54608	Longitude: 93.21904	

Facility

Facility Address: NA

City: NA

Zip: NA

Utility

View Logs

Add Site

View

Done

SARTS - Calendar - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address: http://sarts6.westonproject.net/SARTS/info/calendar.asp

Site Assessment Reconnaissance Tracking System

General Information

View Map

Calendar

Web Hub

Update

Spill Pathways

Spills

Social/Environmental

Photos

Site Operators

Site Info

Calendar

Site Activity

Action Tracking Log

Users

Manage Users

Change Password

Utility

View Logs

Add Site

View

Done

Jump to Month: Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb

August 2002

Sun	Mon	Tue	Wed	Thu	Fri	Sat
28	29	30	31	1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
	08:00 AM • Site Goode A • Event Info	08:00 AM • Site Saxon • Event Info	08:00 AM • Site Gregory 4,5,6 • Event Info	08:00 AM • Final SPCC recon on sites 051390545, 547, 546 & 142 D. Sharp • Event Info	09:00 AM • Site Irma Nacatoch Sand Unit • Event Info	
18	19	20	21	22	23	24
25	26	27	28	29	30	31

Jump to Month: Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb

Done

SARTS - View Photo - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address: http://sarts6.westonproject.net/SARTS/info/photoview.asp?record=10290

Site Photo

Date: 10/17/2001

ID: 0990071-990071a02

Direction: W

Who: Kevin Wood

Description: Battery facing W showing area where oil overflowed

TimeStamp:



Utility

View Logs

Add Site

View

Done

SARTS - Update User - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address: http://sarts6.westonproject.net/SARTS/user/userupdate.asp?username=bradmorgan

Edit User

General Information

Man Menu

View Map

Calendar

Web Hub

Update

Spill Pathways

Spills

Social/Environmental

Photos

Site Operators

Site Info

Calendar

Site Activity

Action Tracking Log

Users

Manage Users

Change Password

Utility

View Logs

Add Site

View

Done

User Info

UserName: bradmorgan

Agency: WESTON

Email: morgnb@mail.rweston.com

Enabled: Yes

Countries: User has access to 503 countries. Change County Permissions

Password: Reset Password

User Permissions

Operation	Allowed
General - Calendar	☒
General - Choose Working Site	☒
General - Main Menu	☒
General - View Map	☒
General - Web Hub	☒
General - Website Information	☒
Update - Action Tracking Log	☒
Update - Calendar	☒
Update - Photos	☒
Update - Site Activity	☒

AREA 05 OUACHITA

N3323.742 W09254.711

17:00:24 230300 A

K 14.9 T146.0 M 72.2

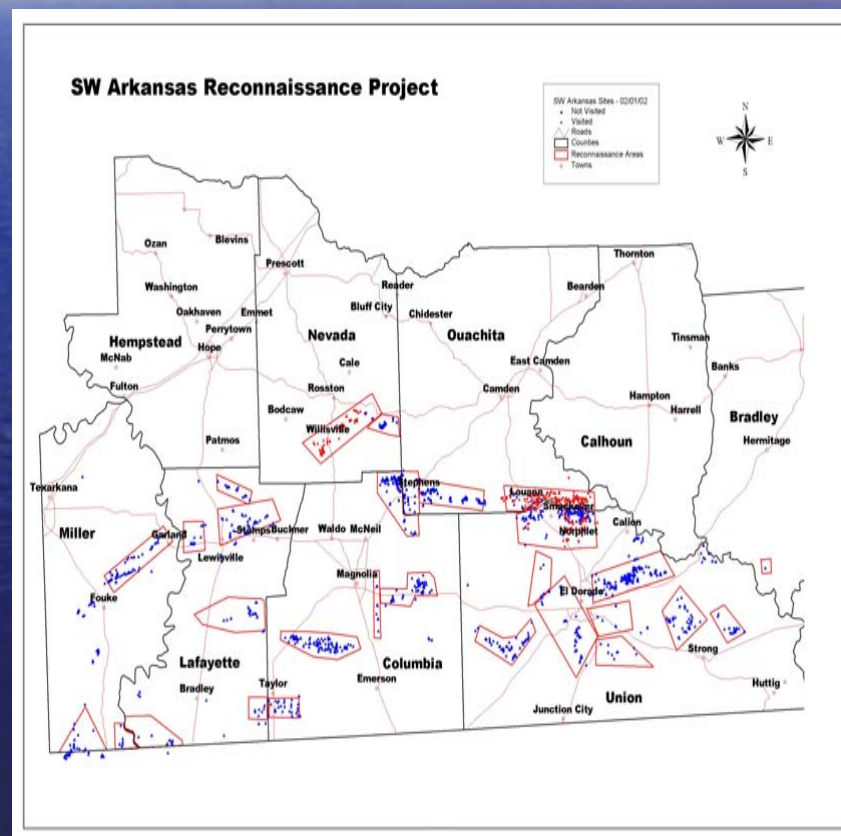






Project Status Report

- Reconn
 - Sites Identified 1,901
 - Site Assessments 600+ Completed
- Implementation Activities
 - Recon of Union & Nevada, Ouachita Counties
 - Conducted 3 Compliance Inspections
 - Completed 26 Sites Restored (VCIs)
 - Federal Lead Removals (Morobay/Waterloo Refinery)



SPCC Regulated Facility

[Site](#)
[Website](#)
[Information](#)
[Main Menu](#)
[Web Hub](#)
[Calendar](#)
[View Map](#)
Update
[Site Info](#)
[Site](#)
[Operators](#)
[Social/Environmental](#)

[Photos](#)
[Spills](#)
[Spill](#)
[Pathways](#)
[Site Activity](#)

[Action](#)
[Tracking](#)
[Log](#)
[Calendar](#)
View
[Site Info](#)
[Environmental](#)

Date:	3/22/2000
ID:	1390575-UN_HA_23_193
Direction:	
Photographer:	Curt Haworth
Description:	Aerial
TimeStamp:	221324



[Choose](#)
[Working](#)
[Site](#)
[Website](#)
[Information](#)
[Main Menu](#)
[Web Hub](#)
[Calendar](#)
[View Map](#)
Update
[Site Info](#)
[Site](#)
[Operators](#)
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[Photos](#)
[Spills](#)
[Spill](#)
[Pathways](#)
[Site Activity](#)

[Action](#)
[Tracking](#)
[Log](#)
[Calendar](#)
View

Site Photo

Date:	2/18/2004
ID:	1390575-b03
Direction:	E
Photographer:	Kevin Wood
Description:	view of containment
TimeStamp:	



5/13/2004

16

Before



After



North Pit Before



South Pit Before



Both pits removed and site cleaned up. (see next slide)

5/13/2004

Before



After



Pit removed and replaced with tanks.

Before



After



Before



After



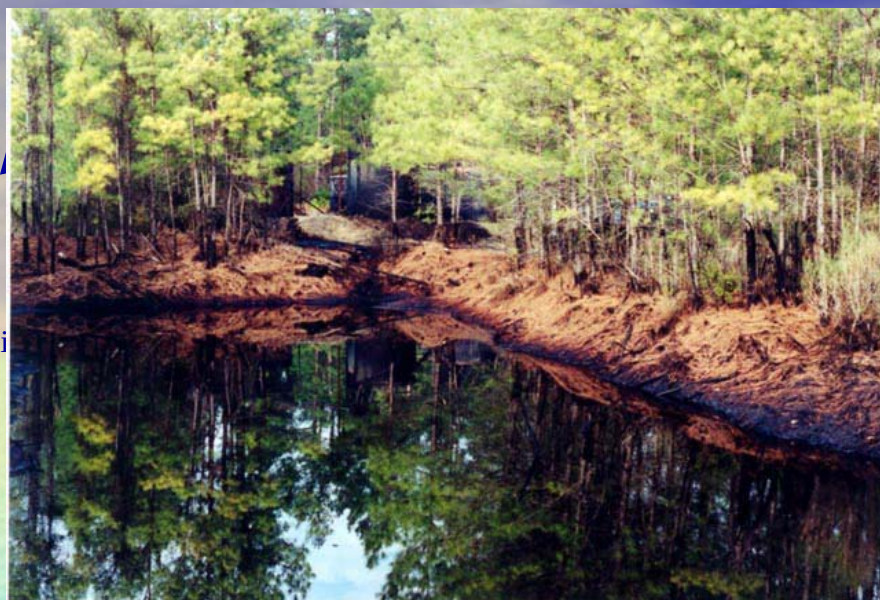
Before



After



Before



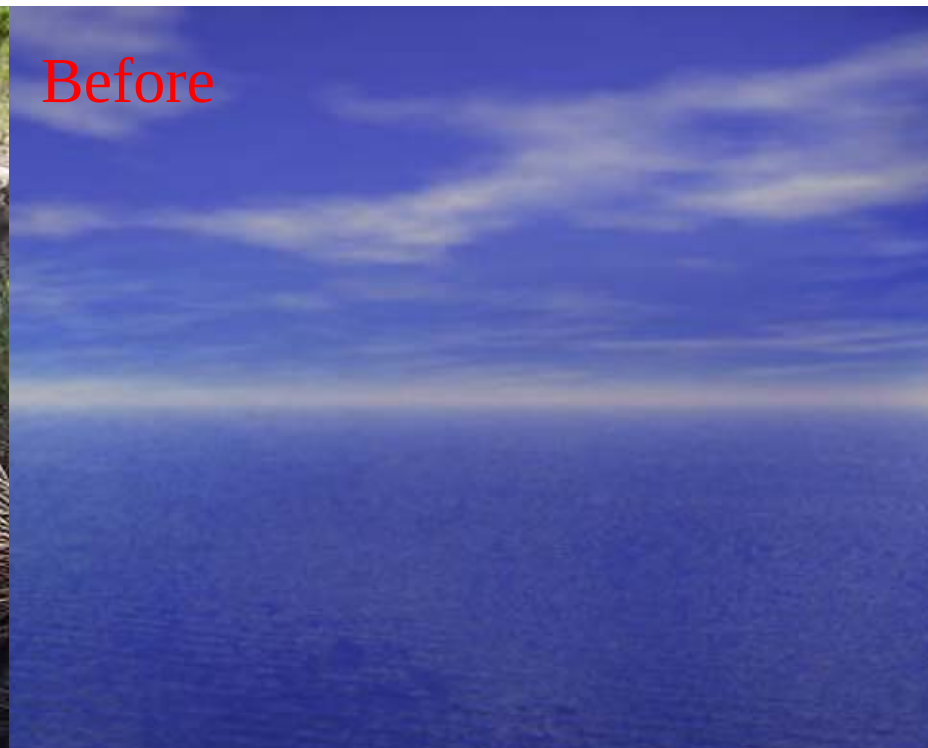
After
Reclaimed Oil Pit





Oil Pit

Before



5/13/2004

After



Reclaimed Oil Pit

AUG 27 2003