District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-144
June 1, 2004

For drilling and production facilities, submit to appropriate NMOCD District Office.
For downstream facilities, submit to Santa Fe office

Pit or Below-Grade Tank Registration or Closure

Final Report

Is pit or below-grade tank covered by a "general plan"? Yes ☐ No ☒
Type of action: Registration of a pit or below-grade tank ☐ Closure of a pit or below-grade tank ☒

Operator: Oxy USA Telephone: 505-887-8337 e-mail address: rick_kerby@oxy.com
Address: P. O. Box 1988 Carlsbad, NM 88221
Facility or well name: Merland C Com #1 API #: 30-015-20797 U/L or Qtr/Qtr F Sec 19 T 22S R 27E
County: Eddy Latitude _____ Longitude _____ NAD: 1927 ☐ 1983 ☐
Surface Owner: Federal ☐ State ☐ Private ☒ Indian ☐

Pit	**Below-grade tank**	
Type: Drilling ☒ Production ☐ Disposal ☐ Workover ☐ Emergency ☐ Lined ☒ Unlined ☐ Liner type: Synthetic ☒ Thickness ____mil Clay ☐ Pit Volume _____bbl	Volume: ____bbl Type of fluid: _____ Construction material: _____ Double-walled, with leak detection? Yes ☐ If not, explain why not.	
Depth to ground water (vertical distance from bottom of pit to seasonal high water elevation of ground water.) **GW = 87'**	Less than 50 feet 50 feet or more, but less than 100 feet 100 feet or more	(20 points) (10 points) **XXX** (0 points)
Wellhead protection area: (Less than 200 feet from a private domestic water source, or less than 1000 feet from all other water sources.)	Yes No	(20 points) (0 points) **XXX**
Distance to surface water: (horizontal distance to all wetlands, playas, irrigation canals, ditches, and perennial and ephemeral watercourses.)	Less than 200 feet 200 feet or more, but less than 1000 feet 1000 feet or more	(20 points) (10 points) (0 points) **XXX**
	Ranking Score (Total Points)	**10 points**

If this is a pit closure: (1) Attach a diagram of the facility showing the pit's relationship to other equipment and tanks. (2) Indicate disposal location: (check the onsite box if your are burying in place) onsite ☒ offsite ☐ If offsite, name of facility_____. (3) Attach a general description of remedial action taken including remediation start date and end date. (4) Groundwater encountered: No ☒ Yes ☐ If yes, show depth below ground surface_____ft. and attach sample results. (5) Attach soil sample results and a diagram of sample locations and excavations.

Additional Comments: Contents of the historic drilling pit were excavated. All material was placed in three deep bury trenches lined with a 12 mil liner. All burial pits were capped with a 20 mil liner a minimum of 3' below ground surface and overlapping 3' in all directions then backfilled. A 20 mil impervious liner was installed at 4' below ground surface to cap the contamination below the historic drilling pit. The cap was domed to prevent any further migration of the chloride contaminated soil. Clean soil Was backfilled and contoured to the surrounding area, then seeded with a landowner approved seed mixture.

I hereby certify that the information above is true and complete to the best of my knowledge and belief. **I further certify that the above-described pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☐, a general permit ☐, or an (attached) alternative OCD-approved plan ☒.**

Date: _____
Printed Name/Title Rick Kerby Signature Rick Kerby 3-20-08

Your certification and NMOCD approval of this application/closure does not relieve the operator of liability should the contents of the pit or tank contaminate ground water or otherwise endanger public health or the environment. Nor does it relieve the operator of its responsibility for compliance with any other federal, state, or local laws and/or regulations.

Approval:
Printed Name/Title _____ Signature Accepted for record NMOCD Date: MAR 25 2008

Closure Report

Prepared for
Oxy USA

Merland C Com #1
API # 30-015-20797
Eddy County, NM

Prepared by
Elke Environmental, Inc.
P.O. Box 14167 Odessa, TX 79768
Phone (432) 366-0043 Fax (432) 366-0884

Elke Environmental, Inc.
P.O. Box 14167 Odessa, TX 79768
Phone (432) 366-0043 Fax (432) 366-0884

March 17, 2008

New Mexico Oil Conservation Division
Mr. Mike Bratcher
1301 West Grand Ave.
Artesia, New Mexico 88210

Re: Drilling Pit Closure of Oxy USA – Merland C Com #1
UL'F' Sec. 19 T22S R27E Eddy County
API# 30-015-20797

Mr. Mike Bratcher,

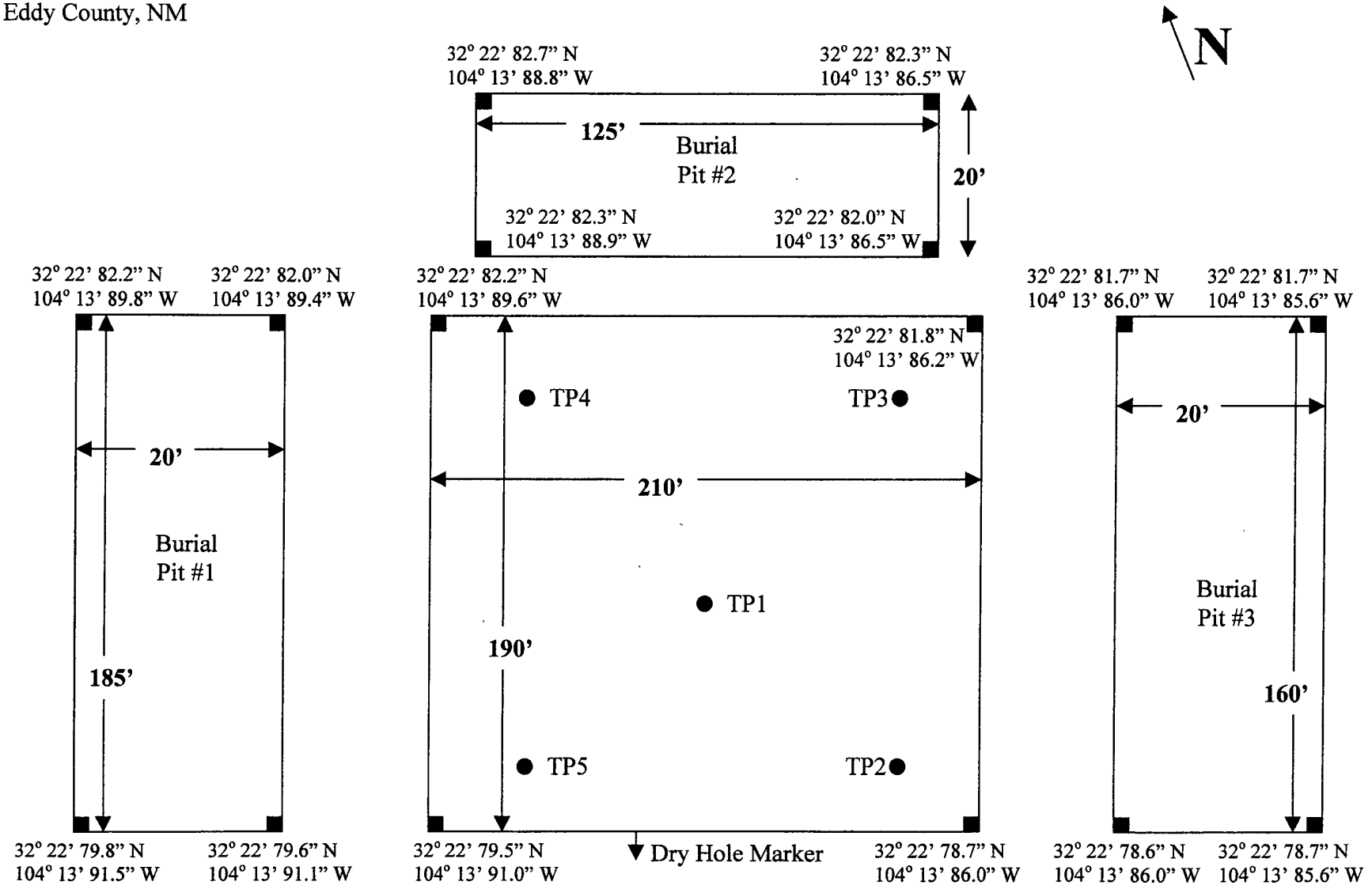
Elke Environmental was contracted by Oxy USA to complete the closure of the Merland C Com #1 historical drilling pit. As per the C-144 filed and signed by Mike Bratcher on 2-5-08 three burial pits were constructed and lined with a 12 mil liner. The historic drilling pit was excavated and placed in the burial pits. The burial pits were capped with a 20 mil liner overlapping 3' in all directions then backfilled with clean native soil. The impacted soil beneath the old drilling pit was sampled and analyzed to delineate the depths of contamination with lab samples taken from the deepest points for confirmation. After the historic drilling pit was removed a 20 mil impervious liner was installed a 4' below ground surface to cap the chloride impacted soil below and prevent any further migration of the chlorides. The historic drilling pit area was then backfilled with clean native soil and domed to prevent pooling. The caliche location was removed and hauled to a nearby caliche pit. The entire site was seeded with a seed mixture approved by the landowner. If you have any questions about the enclosed report please contact me at the office.

Sincerely,

Logan Anderson

Oxy USA
Merland C Com #1
UL 'F' Sec. 19 T22S R27E
Eddy County, NM

Plat Map



Elke Environmental, Inc.
P.O. Box 14167 Odessa, TX 79768

Field Analytical Report Form

Client Oxy USA **Analyst** Jason Jessup

Site Merland C Com #1

Sample ID	Date	Depth	TPH / PPM	Cl / PPM	PID / PPM	GPS
TP1	11-14-07	3'		5,133		32° 22' 79.9" N 104° 13' 87.5" W
TP1	11-14-07	5'		2,959		32° 22' 79.9" N 104° 13' 87.5" W
TP1	11-14-07	10'		2,769		32° 22' 79.9" N 104° 13' 87.5" W
TP1	11-14-07	15'		151	4.7	32° 22' 79.9" N 104° 13' 87.5" W
TP2	11-14-07	3'		2,352		32° 22' 79.2" N 104° 13' 87.0" W
TP2	11-14-07	5'		2,646		32° 22' 79.2" N 104° 13' 87.0" W
TP2	11-14-07	15'		2,499		32° 22' 79.2" N 104° 13' 87.0" W
TP2	1-31-08	20'		1,644		32° 22' 79.2" N 104° 13' 87.0" W
TP2	1-31-08	25'		915		32° 22' 79.2" N 104° 13' 87.0" W
TP2	1-31-08	30'		1,186		32° 22' 79.2" N 104° 13' 87.0" W
TP2	1-31-08	35'		461		32° 22' 79.2" N 104° 13' 87.0" W
TP2	1-31-08	40'		249	6.9	32° 22' 79.2" N 104° 13' 87.0" W
TP3	11-14-07	3'		2,732		32° 22' 81.0" N 104° 13' 86.3" W
TP3	11-14-07	5'		2,533		32° 22' 81.0" N 104° 13' 86.3" W
TP3	11-14-07	15'		299	13.1	32° 22' 81.0" N 104° 13' 86.3" W
TP4	11-14-07	3'		4,484		32° 22' 81.9" N 104° 13' 88.6" W
TP4	11-14-07	5'		3,274		32° 22' 81.9" N 104° 13' 88.6" W
TP4	11-14-07	15'		173	6.7	32° 22' 81.9" N 104° 13' 88.6" W

Elke Environmental, Inc.
P.O. Box 14167 Odessa, TX 79768

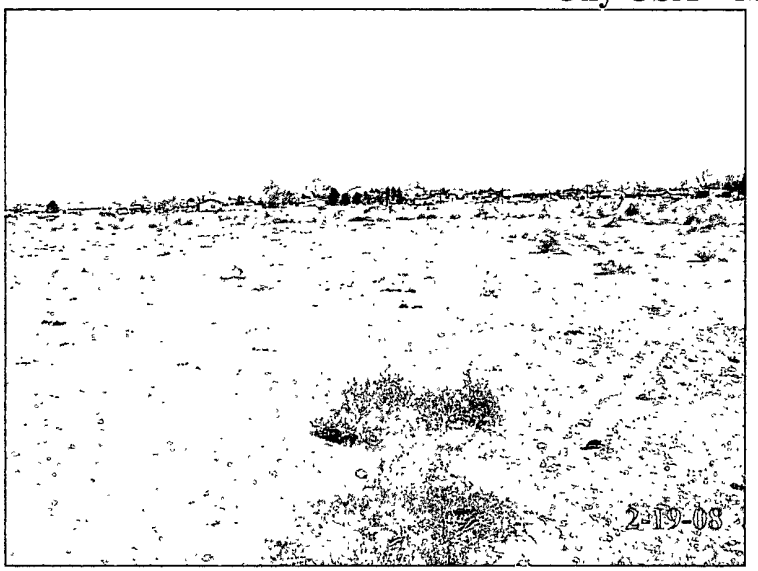
Field Analytical Report Form

Client Oxy USA **Analyst** Jason Jessup

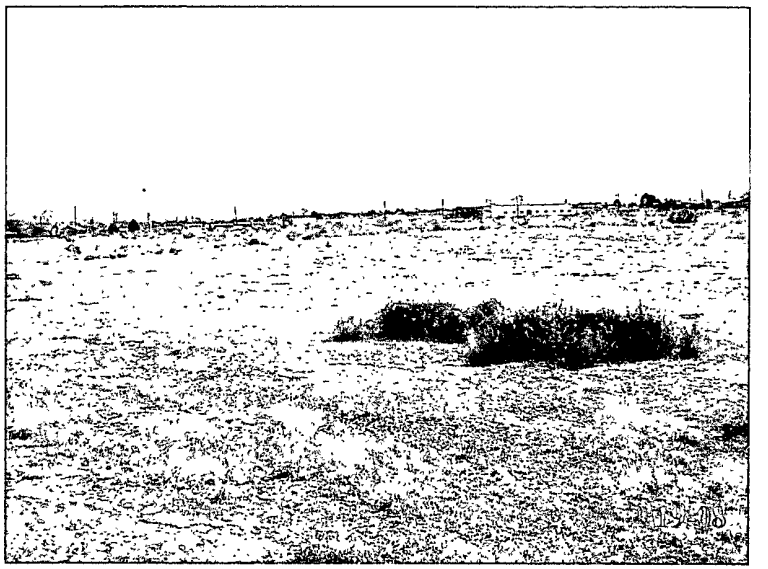
Site Merland C Com #1

Sample ID	Date	Depth	TPH / PPM	Cl / PPM	PID / PPM	GPS
TP5	11-14-07	3'		3,540		32° 22' 79.8" N 104° 13' 89.9" W
TP5	11-14-07	5'		4,453		32° 22' 79.8" N 104° 13' 89.9" W
TP5	11-14-07	15'		3,552		32° 22' 79.8" N 104° 13' 89.9" W
TP5	1-31-08	20'		1,402		32° 22' 79.8" N 104° 13' 89.9" W
TP5	1-31-08	25'		1,035		32° 22' 79.8" N 104° 13' 89.9" W
TP5	1-31-08	30'		404		32° 22' 79.8" N 104° 13' 89.9" W
TP5	1-31-08	35'		230	9.1	32° 22' 79.8" N 104° 13' 89.9" W
Background	11-14-07	Surface		191		

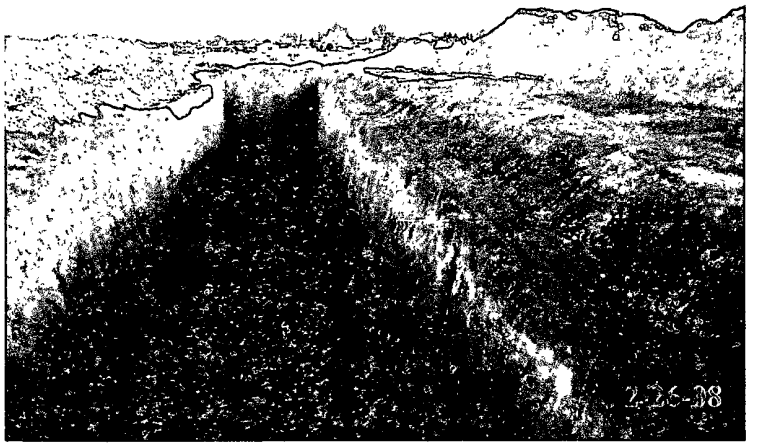
Oxy USA – Merland C Com #1



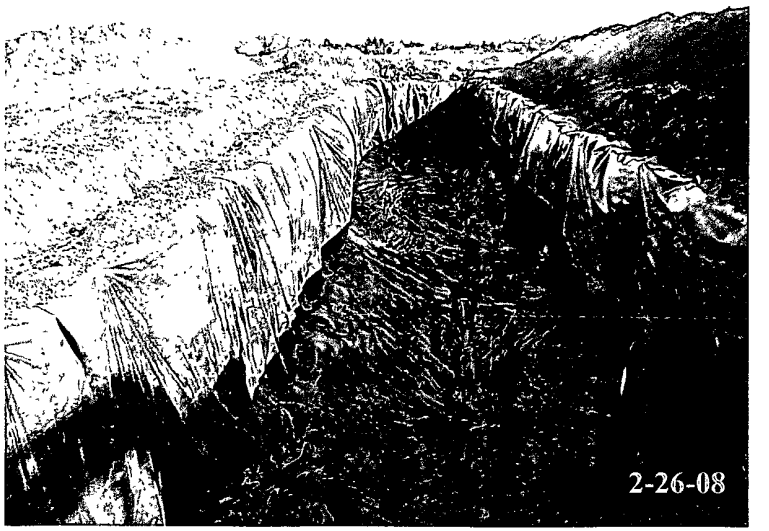
Historic drilling pit before closure.



Historic drilling pit before closure.



Burial pit #3 after excavation.



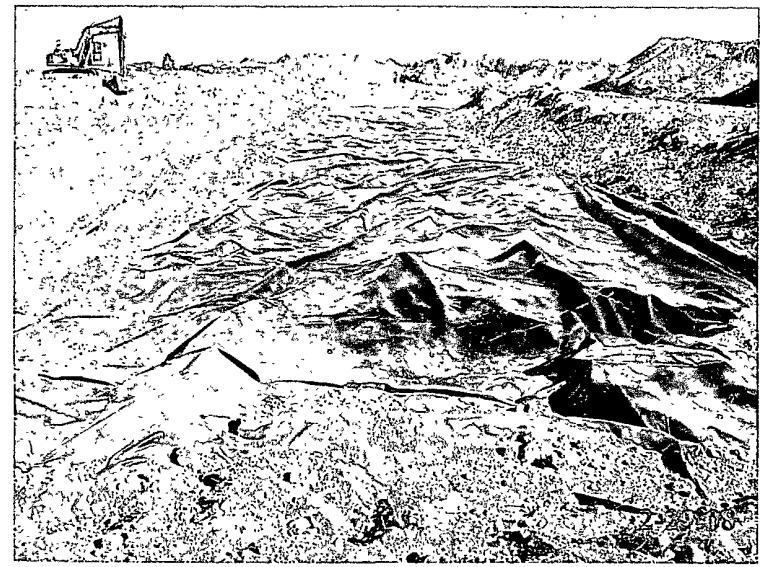
Burial pit #3 after 12 mil liner installation.

Oxy USA – Merland C Com #1

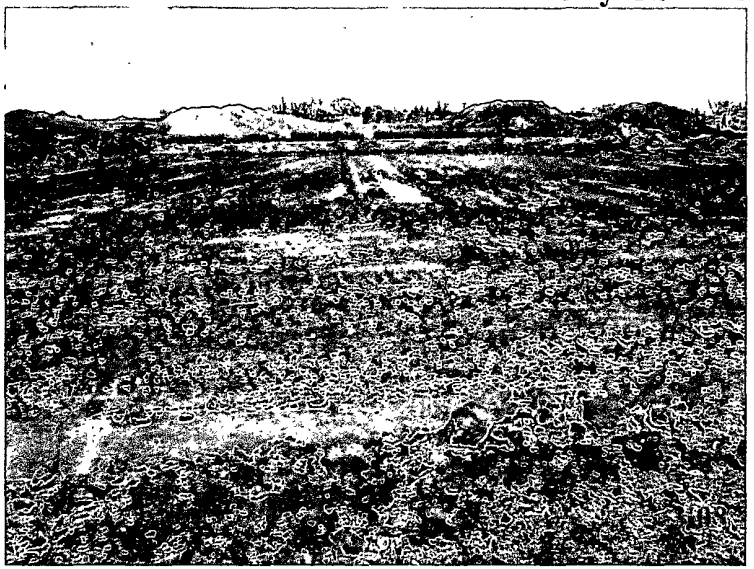
Burial pit #2 after excavation.


Burial pit #2 after 12 mil liner installation.

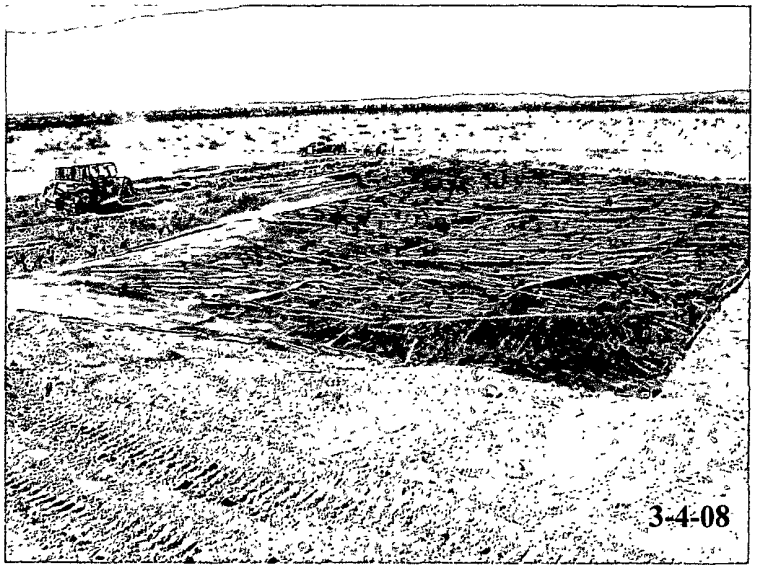

Burial pit #1 after installation of a 20 mil cap.


Burial pit #3 after installation of a 20 mil cap.

Oxy USA – Merland C Com #1

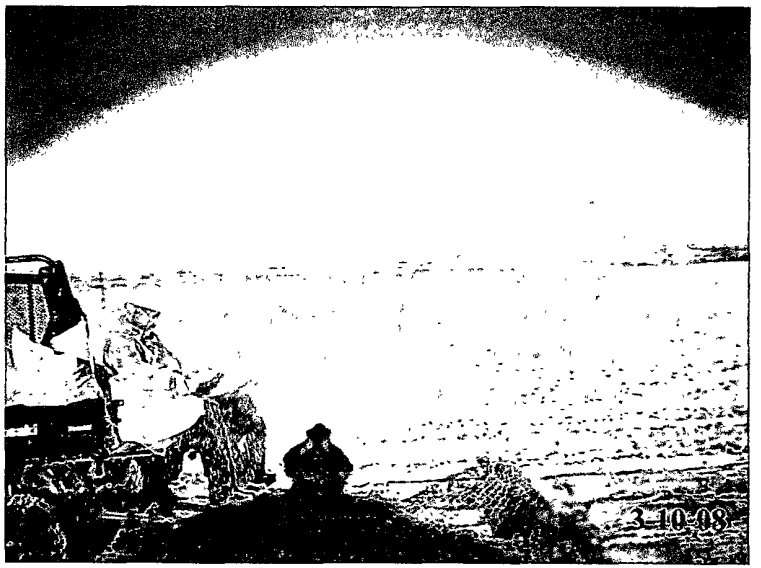


After excavation of historic drilling pit.



After installation of a 20 mil cap over impacted soil.

Site after backfill of clean soil and contouring.



Seeding site with seed mixture approved by landowner.

WHITE DRILLING COMPANY, INC.
ENVIRONMENTAL/GEOTECHNICAL DAILY DRILLING SHEET

Client: Elke Environmental/Rob Spangler

Project: Merland-C Com #1		Date Started: 11/14/07	Well No.: SB-1
Project Address: Sect. 19, TS-22S, R-27E State/City/Zip: Eddy Co., New Mexico		Date Completed: 11/14/07	Total Depth: 15.0'
Well Owner: OXY		Driller: Joe Blackburn	Hole Diameter: 6 ¼"
Owner Address: State/City/Zip:		Driller's Helpers: Wayland Arnold/Chris Spinks	Logged By: Joe Blackburn
WELL COMPLETION DATA			**WELL PLUGGING DATA**
Diameter:	Screen Slot:	PVC or Steel Schedule:	Casing left in well (ft): / Total Casing Pulled (ft):
Screen Depth:	Sand Feet/Bags: /	Sand Size:	Bentonite Feet/bags: 15.0 – 10.0 / 1.5 / Cement Feet/Bags: 10.0 – 0.0 / 3.0
Riser Depth:	Bentonite Feet/Bags: /	Cement Feet/Bags: /	**GPS: 32-22-48.0 104-13-52.8** / Total Disposal Drums:
Surface Csg. Dia:	Surface Casing Depth:	Cement Feet/Bags: /	Water Level: Dry ☑ Clean ☐ Dirty

DEPTH (ft.)	DESCRIPTION
0.0 - 10.0	Reddish brown sandy clay.
10.0 – 15.0	Loose gravel & loose tan sand.

WHITE DRILLING COMPANY, INC.
ENVIRONMENTAL/GEOTECHNICAL FIELD LOG

DEPTH (ft.)	DESCRIPTION

Per Diem (days)	Well Dev./hrs.	Decon/hrs.	Packer Tests/L.F.	NX Core/ft.	Standby Time/hrs.	Rig Time/hrs.

DRILLING METHOD: ☒ Air Rotary ☐ Mud Rotary ☐ Driven ☐ Air Hammer ☐ Other

SURFACE COMPETION:
☐ Alternative Procedure Used
☐ Surface Slab Installed
☐ Surface Sleeve Installed
☐ Pitless Adapter Used

METHOD OF COMPLETION:
☒ Hand Mix
☐ Pump Mix w/tremmie pipe

NOTES:

☐ **CAT USED** ☐ **VAC TRAILER USED**

TYPE OF CONTAMINATION:

☐ **Hydorcarbon** ☐ **Cholrides**

DRILLERS SIGNATURE: Joe Blackburn

☐ **Other** _____

WHITE DRILLING COMPANY, INC.
ENVIRONMENTAL/GEOTECHNICAL DAILY DRILLING SHEET

Client: Elke Environmental/Rob Spangler

Project: Merland-C Com #1		Date Started: 11/14/07	Well No.: SB-2
Project Address: Sect. 19, TS-22S, R-27E State/City/Zip: Eddy Co., New Mexico		Date Completed: 11/14/07	Total Depth: 15.0'
Well Owner: OXY		Driller: Joe Blackburn John White	Hole Diameter: 6 ¼"
Owner Address: State/City/Zip:		Driller's Helpers: Wayland Arnold/Chris Spinks	Logged By: Joe Blackburn
WELL COMPLETION DATA			**WELL PLUGGING DATA**
Diameter:	Screen Slot:	PVC or Steel Schedule:	Casing left in well (ft): / Total Casing Pulled (ft):
Screen Depth:	Sand Feet/Bags: /	Sand Size:	Bentonite Feet/bags: 15.0 – 10.0 / 1.5 / Cement Feet/Bags: 10.0 – 0.0 / 3.0
Riser Depth:	Bentonite Feet/Bags: /	Cement Feet/Bags: /	**GPS: 32-22-47.5 104-13-52.2** / Total Disposal Drums:
Surface Csg. Dia:	Surface Casing Depth:	Cement Feet/Bags: /	Water Level: Dry ☒ Clean ☐ Dirty

DEPTH (ft.)	DESCRIPTION
0.0 - 10.0	Reddish brown sandy clay.
10.0 – 15.0	Loose gravel & tan sand.

WHITE DRILLING COMPANY, INC.
ENVIRONMENTAL/GEOTECHNICAL FIELD LOG

DEPTH (ft.)	DESCRIPTION

Per Diem (days)	Well Dev./hrs.	Decon/hrs.	Packer Tests/L.F.	NX Core/ft.	Standby Time/hrs.	Rig Time/hrs.

DRILLING METHOD: ☒ Air Rotary ☐ Mud Rotary ☐ Driven ☐ Air Hammer ☐ Other

SURFACE COMPETION:
☐ Alternative Procedure Used
☐ Surface Slab Installed
☐ Surface Sleeve Installed
☐ Pitless Adapter Used

METHOD OF COMPLETION:
☑ Hand Mix
☐ Pump Mix w/tremmie pipe

NOTES:

☐ **CAT USED** ☐ **VAC TRAILER USED**

TYPE OF CONTAMINATION:
☐ **Hydorcarbon** ☐ **Cholrides**
☐ **Other**

DRILLERS SIGNATURE: Joe Blackburn

WHITE DRILLING COMPANY, INC.
ENVIRONMENTAL/GEOTECHNICAL DAILY DRILLING SHEET

Client: Elke Environmental/Rob Spangler

Project: Merland-C Com #1		Date Started: 11/14/07	Well No.: SB-3
Project Address: Sect. 19, TS-22S, R-27E State/City/Zip: Eddy Co., New Mexico		Date Completed: 11/14/07	Total Depth: 15.0'
Well Owner: OXY		Driller: Joe Blackburn John White	Hole Diameter: 6 ¼"
Owner Address: State/City/Zip:		Driller's Helpers: Wayland Arnold/Chris Spinks	Logged By: Joe Blackburn
WELL COMPLETION DATA			**WELL PLUGGING DATA**
Diameter:	Screen Slot:	PVC or Steel Schedule:	Casing left in well (ft): / Total Casing Pulled (ft):
Screen Depth:	Sand Feet/Bags: /	Sand Size:	Bentonite Feet/bags: 15.0 – 10.0 / 1.5 / Cement Feet/Bags: 10.0 – 0.0 / 3.0
Riser Depth:	Bentonite Feet/Bags: /	Cement Feet/Bags: /	**GPS: 32-22-48.7 104-13-51.8** / Total Disposal Drums:
Surface Csg. Dia:	Surface Casing Depth:	Cement Feet/Bags: /	Water Level: Dry ☒ Clean ☐ Dirty

DEPTH (ft.)	DESCRIPTION
0.0 - 10.0	Reddish brown sandy clay.
10.0 – 15.0	Loose gravel & tan sand.

WHITE DRILLING COMPANY, INC.
ENVIRONMENTAL/GEOTECHNICAL FIELD LOG

DEPTH (ft.)	DESCRIPTION

Per Diem (days)	Well Dev./hrs.	Decon/hrs.	Packer Tests/L.F.	NX Core/ft.	Standby Time/hrs.	Rig Time/hrs.

DRILLING METHOD: ☒ Air Rotary ☐ Mud Rotary ☐ Driven ☐ Air Hammer ☐ Other

SURFACE COMPETION:
☐ Alternative Procedure Used
☐ Surface Slab Installed
☐ Surface Sleeve Installed
☐ Pitless Adapter Used

METHOD OF COMPLETION:
☒ Hand Mix
☐ Pump Mix w/tremmie pipe

NOTES:

☐ **CAT USED** ☐ **VAC TRAILER USED**

TYPE OF CONTAMINATION:

☐ **Hydorcarbon** ☐ **Cholrides**

DRILLERS SIGNATURE: Joe Blackburn

☐ **Other** _____

WHITE DRILLING COMPANY, INC.
ENVIRONMENTAL/GEOTECHNICAL DAILY DRILLING SHEET

Client: Elke Environmental/Rob Spangler

Project: Merland-C Com #1		Date Started: 11/14/07	Well No.: SB-4
Project Address: Sect. 19, TS-22S, R-27E State/City/Zip: Eddy Co., New Mexico		Date Completed: 11/14/07	Total Depth: 15.0'
Well Owner: OXY		Driller: Joe Blackburn John White	Hole Diameter: 6 ¼"
Owner Address: State/City/Zip:		Driller's Helpers: Wayland Arnold/Chris Spinks	Logged By: Joe Blackburn
WELL COMPLETION DATA			**WELL PLUGGING DATA**
Diameter:	Screen Slot:	PVC or Steel Schedule:	Casing left in well (ft): / Total Casing Pulled (ft):
Screen Depth:	Sand Feet/Bags: /	Sand Size:	Bentonite Feet/bags: 15.0 – 10.0 / 1.5 / Cement Feet/Bags: 10.0 – 0.0 / 3.0
Riser Depth:	Bentonite Feet/Bags: /	Cement Feet/Bags: /	**GPS: 32-22-49.1 104-13-53.1** / Total Disposal Drums:
Surface Csg. Dia:	Surface Casing Depth:	Cement Feet/Bags: /	Water Level: Dry ☒ Clean ☐ Dirty

DEPTH (ft.)	DESCRIPTION
0.0 - 10.0	Reddish brown sandy clay.
10.0 – 15.0	Loose gravel & tan sand.

WHITE DRILLING COMPANY, INC.
ENVIRONMENTAL/GEOTECHNICAL FIELD LOG

DEPTH (ft.)	DESCRIPTION

Per Diem (days)	Well Dev./hrs.	Decon/hrs.	Packer Tests/L.F.	NX Core/ft.	Standby Time/hrs.	Rig Time/hrs.

DRILLING METHOD: ☒ Air Rotary ☐ Mud Rotary ☐ Driven ☐ Air Hammer ☐ Other

SURFACE COMPETION:
☐ Alternative Procedure Used
☐ Surface Slab Installed
☐ Surface Sleeve Installed
☐ Pitless Adapter Used

METHOD OF COMPLETION:
☒ Hand Mix
☐ Pump Mix w/tremmie pipe

NOTES:

☐ **CAT USED** ☐ **VAC TRAILER USED**

TYPE OF CONTAMINATION:

☐ **Hydorcarbon** ☐ **Cholrides**

☐ **Other**

DRILLERS SIGNATURE: Joe Blackburn

WHITE DRILLING COMPANY, INC.
ENVIRONMENTAL/GEOTECHNICAL DAILY DRILLING SHEET

Client: Elke Environmental/Rob Spangler

Project: Merland-C Com #1		Date Started: 11/14/07	Well No.: SB-5
Project Address: Sect. 19, TS-22S, R-27E State/City/Zip: Eddy Co., New Mexico		Date Completed: 11/14/07	Total Depth: 15.0'
Well Owner: OXY		Driller: Joe Blackburn John White	Hole Diameter: 6 ¼"
Owner Address: State/City/Zip:		Driller's Helpers: Wayland Arnold/Chris Spinks	Logged By: Joe Blackburn
WELL COMPLETION DATA			**WELL PLUGGING DATA**
Diameter:	Screen Slot:	PVC or Steel Schedule:	Casing left in well (ft): / Total Casing Pulled (ft):
Screen Depth:	Sand Feet/Bags: /	Sand Size:	Bentonite Feet/bags: 15.0 – 10.0 / 1.5 / Cement Feet/Bags: 10.0 – 0.0 / 3.0
Riser Depth:	Bentonite Feet/Bags: /	Cement Feet/Bags: /	**GPS: 32-22-48.9 104-13-53.9** / Total Disposal Drums:
Surface Csg. Dia:	Surface Casing Depth:	Cement Feet/Bags: /	Water Level: Dry ☒ Clean ☐ Dirty

DEPTH (ft.)	DESCRIPTION
0.0 - 10.0	Reddish brown sandy clay.
10.0 – 15.0	Loose gravel & tan sand.

WHITE DRILLING COMPANY, INC.
ENVIRONMENTAL/GEOTECHNICAL FIELD LOG

DEPTH (ft.)	DESCRIPTION

Per Diem (days)	Well Dev./hrs.	Decon/hrs.	Packer Tests/L.F.	NX Core/ft.	Standby Time/hrs.	Rig Time/hrs.

DRILLING METHOD: ☒ Air Rotary ☐ Mud Rotary ☐ Driven ☐ Air Hammer ☐ Other

SURFACE COMPETION:
☐ Alternative Procedure Used
☐ Surface Slab Installed
☐ Surface Sleeve Installed
☐ Pitless Adapter Used

METHOD OF COMPLETION:
☒ Hand Mix
☐ Pump Mix w/tremmie pipe

NOTES:

☐ **CAT USED** ☐ **VAC TRAILER USED**

TYPE OF CONTAMINATION:
☐ **Hydorcarbon** ☐ **Cholrides**
☐ **Other**

DRILLERS SIGNATURE: Joe Blackburn

File Number: _____

NEW MEXICO OFFICE OF THE STATE ENGINEER
WELL RECORD

1. OWNER OF WELL

Name: OXY USA Work Phone: _____
Contact: _____ Home Phone: _____
Address: 1017 W. Stanolind Rd.
City: Hobbs State: NM Zip: 88240

2. LOCATION OF WELL (A,B,C,or D required,E or F if known)

A. ____ 1/4 ____ 1/4 ____ 1/4 Section: 19 Township: 22S Range: 27E N.M.P.M.
in Eddy County.

B. X = _____ feet, Y = _____ feet, N.M. Coordinate System
_____ Zone in the _____ Grant.
U.S.G.S. Quad Map _____

C. Latitude: 32 d 22 m 47.2 s Longitude: 104 d 13 m 52.1 s

D. East _____ (m), North _____ (m), UTM Zone 13, NAD _____ (27 or 83)

E. Tract No. _____, Map No. _____ of the _____ Hydrographic Survey

F. Lot No. _____, Block No. _____ of Unit/Tract _____ of the
_____ Subdivision recorded in _____ County.

G. Other: _____

H. Give State Engineer File Number if existing well: _____

I. On land owned by (required): Merland Company

3. DRILLING CONTRACTOR

License Number: WD-1456
Name: White Drilling Company, Inc. Work Phone: 325-893-2950
Agent: John W. White Home Phone: 325-893-2950
Mailing Address: P.O. Box 906
City: Clyde State: TX Zip: 79510

4. DRILLING RECORD: Merland C Com #1 TP-2

Drilling began: 01/31/08 ; Completed: 01/31/08 ; Type tools: Air Rotary ;
Size of hole: 6 1/8 in.; Total depth of well: 40.0 ft.;
Completed well is: shallow (shallow, artesian);
Depth to water upon completion of well: Dry ft.

File Number: _____

NEW MEXICO OFFICE OF THE STATE ENGINEER
WELL RECORD

5. PRINCIPAL WATER-BEARING STRATA: Merland C Com #1 TP-2

Depth in Feet From	To	Thickness in feet	Description of water-bearing formation	Estimated Yield (GPM)

6. RECORD OF CASING

Diameter (inches)	Pounds per ft.	Threads per in.	Depth in Feet Top	Bottom	Length (feet)	Type of Shoe	Perforations From	To

7. RECORD OF MUDDING AND CEMENTING

Depth in Feet From	To	Hole Diameter	Sacks of mud	Cubic Feet of Cement	Method of Placement
40.0	10.0	6 1/8	8.0		Bentonite Pellets
10.0	0.0	6 1/8	5.0	1.997	Cement

8. PLUGGING RECORD

Plugging Contractor: White Drilling Company, Inc.

Address: P.O. Box 906, Clyde, TX 79510

Plugging Method: Hand Mix

Date Well Plugged: 1/31/08

Plugging approved by: _____
State Engineer Representative

No.	Depth in Feet Top	Bottom	Cubic Feet of Cement
1			
2			
3			
4			
5			

File Number: _____

NEW MEXICO OFFICE OF THE STATE ENGINEER
WELL RECORD

9. LOG OF HOLE: Merland C Com #1 TP-2

Depth in feet From	To	Thickness in feet	Color and Type of Material Encountered
0.0	15.0	15.0	Brown sandy clay.
15.0	18.0	3.0	Reddish brown sand.
18.0	25.0	7.0	Gravel.
25.0	25.5	0.5	Chert.
25.5	40.0	14.5	Caliche.

File Number: _____

NEW MEXICO OFFICE OF THE STATE ENGINEER
WELL RECORD

10. ADDITIONAL STATEMENTS OR EXPLANATIONS: Merland C Com #1 TP-2

The undersigned hereby certifies that, to the best of his knowledge and belief, the foregoing is a true and correct record of the above described hole.

_____ 2/26/08
Driller (mm/dd/year)

==========

FOR STATE ENGINEER USE ONLY

Quad ____ **;FWL** ____ **;FSL** ____ **;Use** _____ **;Location No.** _____

File Number: _____ Trn Number: _____

Form: wr-20 page 4 of 4

File Number: _____

NEW MEXICO OFFICE OF THE STATE ENGINEER
WELL RECORD

1. OWNER OF WELL

Name: OXY USA Work Phone: _____
Contact: _____ Home Phone: _____
Address: 1017 W. Stanolind Rd.
City: Hobbs State: NM Zip: 88240

2. LOCATION OF WELL (A,B,C,or D required,E or F if known)

A. ____ 1/4 ____ 1/4 ____ 1/4 Section: 19 Township: 22S Range: 27E N.M.P.M.
in Eddy County.

B. X = _____ feet, Y = _____ feet, N.M. Coordinate System
_____ Zone in the _____ Grant.
U.S.G.S. Quad Map _____

C. Latitude: 32 d 22 m 47.9 s Longitude: 104 d 13 m 53.9 s

D. East _____ (m), North _____ (m), UTM Zone 13, NAD _____ (27 or 83)

E. Tract No. _____, Map No. _____ of the _____ Hydrographic Survey

F. Lot No. _____, Block No. _____ of Unit/Tract _____ of the
_____ Subdivision recorded in _____ County.

G. Other: _____

H. Give State Engineer File Number if existing well: _____

I. On land owned by (required): Merland Company

3. DRILLING CONTRACTOR

License Number: WD-1456
Name: White Drilling Company, Inc. Work Phone: 325-893-2950
Agent: John W. White Home Phone: 325-893-2950
Mailing Address: P.O. Box 906
City: Clyde State: TX Zip: 79510

4. DRILLING RECORD: Merland C Com #1 TP-5

Drilling began: 01/31/08 ; Completed: 01/31/08 ; Type tools: Air Rotary ;
Size of hole: 6 1/8 in.; Total depth of well: 35.0 ft.;
Completed well is: shallow (shallow, artesian);
Depth to water upon completion of well: Dry ft.

File Number: _____

NEW MEXICO OFFICE OF THE STATE ENGINEER
WELL RECORD

5. PRINCIPAL WATER-BEARING STRATA: Merland C Com #1 TP-5

Depth in Feet From	To	Thickness in feet	Description of water-bearing formation	Estimated Yield (GPM)

6. RECORD OF CASING

Diameter (inches)	Pounds per ft.	Threads per in.	Depth in Feet Top	Bottom	Length (feet)	Type of Shoe	Perforations From	To

7. RECORD OF MUDDING AND CEMENTING

Depth in Feet From	To	Hole Diameter	Sacks of mud	Cubic Feet of Cement	Method of Placement
35.0	10.0	6 1/8	7.0		Bentonite Pellets
10.0	0.0	6 1/8	5.0	1.997	Cement

8. PLUGGING RECORD

Plugging Contractor: White Drilling Company, Inc.

Address: P.O. Box 906, Clyde, TX 79510

Plugging Method: Hand Mix

Date Well Plugged: 1/31/08

Plugging approved by: _____

State Engineer Representative

No.	Depth in Feet Top	Bottom	Cubic Feet of Cement
1			
2			
3			
4			
5			

File Number: _____

NEW MEXICO OFFICE OF THE STATE ENGINEER
WELL RECORD

9. LOG OF HOLE: Merland C Com #1 TP-5

Depth in feet From	To	Thickness in feet	Color and Type of Material Encountered
0.0	15.0	15.0	Caliche w/tan sand.
15.0	20.0	5.0	Gravel.
20.0	23.0	3.0	Brownish tan sand.
23.0	24.0	1.0	Chert.
24.0	35.0	11.0	Caliche.

File Number: _____

NEW MEXICO OFFICE OF THE STATE ENGINEER
WELL RECORD

10. ADDITIONAL STATEMENTS OR EXPLANATIONS:Merland C Com #1 TP-5

The undersigned hereby certifies that, to the best of his knowledge and belief, the foregoing is a true and correct record of the above described hole.

_____ 7/26/08
Driller (mm/dd/year)

==========

FOR STATE ENGINEER USE ONLY

Quad ____ **;FWL** ____ **;FSL** ____ **;Use** _____ **;Location No.** _____

File Number: _____ Trn Number: _____

Analytical Report 296942

for

Elke Environmental, Inc.

Project Manager: Logan Anderson

Oxy

05-FEB-08

12600 West I-20 East Odessa, Texas 79765

Texas certification numbers:
Houston, TX T104704215

Florida certification numbers:
Houston, TX E871002 - Miami, FL E86678 - Tampa, FL E86675
Norcross(Atlanta), GA E87429

South Carolina certification numbers:
Norcross(Atlanta), GA 98015

North Carolina certification numbers:
Norcross(Atlanta), GA 483

Houston - Dallas - San Antonio - Austin - Tampa - Miami - Latin America
Midland - Corpus Christi - Atlanta

05-FEB-08

Project Manager: **Logan Anderson**
Elke Environmental, Inc.
4817 Andrews Hwy
P.O. Box 14167 Odessa, tx 79768
Odessa, TX 79762

Reference: XENCO Report No: **296942**
Oxy
Project Address: Merland C. Com # 1

Logan Anderson:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number 296942. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. Estimation of data uncertainty for this report is found in the quality control section of this report unless otherwise noted. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 296942 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Brent Barron, II
Odessa Laboratory Manager

Sample Cross Reference 296942

Elke Environmental, Inc., Odessa, TX

Oxy

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
TP # 2	S	Jan-31-08 11:20	40 ft	296942-001
TP # 5	S	Jan-31-08 11:58	35 ft	296942-002

Certificate of Analysis Summary 296942

Elke Environmental, Inc., Odessa, TX

Project Name: Oxy

Project Id:
Contact: Logan Anderson
Project Location: Merland C. Com # 1

Date Received in Lab: Fri Feb-01-08 11:15 am
Report Date: 05-FEB-08
Project Manager: Brent Barron, II

Analysis Requested								
	Lab Id:	296942-001		296942-002				
	Field Id:	TP # 2		TP # 5				
	Depth:	40 ft		35 ft				
	Matrix:	SOIL		SOIL				
	Sampled:	Jan-31-08 11:20		Jan-31-08 11:58				
Percent Moisture	*Extracted:*							
	Analyzed:	Feb-01-08 13:05		Feb-01-08 13:06				
	Units/RL:	%	RL	%	RL			
Percent Moisture		1.78		2.11				
TPH by SW8015 Mod	*Extracted:*	Feb-04-08 12:00		Feb-04-08 12:00				
	Analyzed:	Feb-04-08 17:01		Feb-04-08 17:27				
	Units/RL:	mg/kg	RL	mg/kg	RL			
C6-C12 Gasoline Range Hydrocarbons		ND	15.3	ND	15.3			
C12-C28 Diesel Range Hydrocarbons		29.0	15.3	30.5	15.3			
C28-C35 Oil Range Hydrocarbons		ND	15.3	ND	15.3			
Total TPH		29		30.5				
Total Chloride by EPA 325.3	*Extracted:*							
	Analyzed:	Feb-01-08 13:50		Feb-01-08 13:50				
	Units/RL:	mg/kg	RL	mg/kg	RL			
Chloride		173	5.09	217	5.11			

Brent Barron
Odessa Laboratory Director

Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to effect the recovery of the spike concentration. This condition could also effect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the MQL(PQL) and above the SQL(MDL).

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

* Outside XENCO'S scope of NELAC Accreditation

Form 2 - Surrogate Recoveries

Project Name: Oxy

Work Order #: 296942 **Project ID:**

Lab Batch #: 713770 **Sample:** 296942-001 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH by SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	95.8	100	96	70-135	
o-Terphenyl	50.2	50.0	100	70-135	

Lab Batch #: 713770 **Sample:** 296942-001 S / MS **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH by SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	128	100	128	70-135	
o-Terphenyl	60.7	50.0	121	70-135	

Lab Batch #: 713770 **Sample:** 296942-001 SD / MSD **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH by SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	125	100	125	70-135	
o-Terphenyl	55.3	50.0	111	70-135	

Lab Batch #: 713770 **Sample:** 296942-002 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH by SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	99.3	100	99	70-135	
o-Terphenyl	52.4	50.0	105	70-135	

Lab Batch #: 713770 **Sample:** 504212-1-BKS / BKS **Batch:** 1 **Matrix:** Solid

Units: mg/kg

TPH by SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	120	100	120	70-135	
o-Terphenyl	54.3	50.0	109	70-135	

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Form 2 - Surrogate Recoveries

Project Name: Oxy

Work Order #: 296942 **Project ID:**

Lab Batch #: 713770 **Sample:** 504212-1-BLK / BLK **Batch:** 1 **Matrix:** Solid

Units: mg/kg

TPH by SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	115	100	115	70-135	
o-Terphenyl	61.4	50.0	123	70-135	

Lab Batch #: 713770 **Sample:** 504212-1-BSD / BSD **Batch:** 1 **Matrix:** Solid

Units: mg/kg

TPH by SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	114	100	114	70-135	
o-Terphenyl	51.2	50.0	102	70-135	

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Blank Spike Recovery

Project Name: Oxy

Work Order #: 296942 **Project ID:**

Lab Batch #: 713672 **Sample:** 713672-1-BKS **Matrix:** Solid

Date Analyzed: 02/01/2008 **Date Prepared:** 02/01/2008 **Analyst:** IRO

Reporting Units: mg/kg **Batch #:** 1

	BLANK /BLANK SPIKE RECOVERY STUDY					
Total Chloride by EPA 325.3 **Analytes**	**Blank Result [A]**	**Spike Added [B]**	**Blank Spike Result [C]**	**Blank Spike %R [D]**	**Control Limits %R**	**Flags**
Chloride	ND	50.0	46.8	94	75-125	

Blank Spike Recovery [D] = 100*[C]/[B]
All results are based on MDL and validated for QC purposes.

BS / BSD Recoveries

Project Name: Oxy

Work Order #: 296942

Analyst: SHE

Date Prepared: 02/04/2008

Project ID:

Date Analyzed: 02/04/2008

Lab Batch ID: 713770

Sample: 504212-1-BKS

Batch #: 1

Matrix: Solid

Units: mg/kg

TPH by SW8015 Mod	BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY										
Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
C6-C12 Gasoline Range Hydrocarbons	ND	1000	895	90	1000	856	86	4	70-135	35	
C12-C28 Diesel Range Hydrocarbons	ND	1000	917	92	1000	879	88	4	70-135	35	

Relative Percent Difference RPD = 200*|(D-F)/(D+F)|
Blank Spike Recovery [D] = 100*(C)/[B]
Blank Spike Duplicate Recovery [G] = 100*(F)/[E]
All results are based on MDL and Validated for QC Purposes

Form 3 - MS / MSD Recoveries

Project Name: Oxy

Work Order # : 296942 **Project ID:**

Lab Batch ID: 713770 **QC- Sample ID:** 296942-001 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 02/05/2008 **Date Prepared:** 02/04/2008 **Analyst:** SHE

Reporting Units: mg/kg

TPH by SW8015 Mod Analytes	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY										
	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
C6-C12 Gasoline Range Hydrocarbons	ND	1020	1030	101	1020	909	89	13	70-135	35	
C12-C28 Diesel Range Hydrocarbons	29.0	1020	1100	105	1020	948	90	15	70-135	35	

Lab Batch ID: 713672 **QC- Sample ID:** 296942-001 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 02/01/2008 **Date Prepared:** 02/01/2008 **Analyst:** IRO

Reporting Units: mg/kg

Total Chloride by EPA 325.3 Analytes	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY										
	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chloride	173	1020	1190	100	1020	1210	102	2	75-125	30	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*(D-G)/(D+G)

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not ApplicableN = See Narrative, EQL = Estimated Quantitation Limit

Sample Duplicate Recovery

Project Name: Oxy

Work Order #: 296942

Lab Batch #: 713590 **Project ID:**

Date Analyzed: 02/01/2008 **Date Prepared:** 02/01/2008 **Analyst:** RBA

QC- Sample ID: 296701-001 D **Batch #:** 1 **Matrix:** Soil

Reporting Units: %

Percent Moisture Analyte	SAMPLE / SAMPLE DUPLICATE RECOVERY				
	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Percent Moisture	17.0	17.6	3	20	

Spike Relative Difference RPD 200 * | (B-A)/(B+A) |
All Results are based on MDL and validated for QC purposes.

Environmental Lab of Texas

A Xenco Laboratories Company

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

12600 West I-20 East
Odessa, Texas 79765

Phone: 432-563-1800
Fax: 432-563-1713

Project Manager: Logan Anderson
Company Name: Elke Environmental
Company Address: P O Box 14167
City/State/Zip: Odessa, TX 79768
Telephone No: 432-366-0043
Sampler Signature: Jason Jessup

Project Name: OXY
Project #:
Project Loc: Merland C. Com #1
PO #:
Fax No: 432-366-0884
e-mail: la_elkeenv@yahoo.com

Report Format: ☒ Standard ☐ TRRP ☐ NPDES

(lab use only)
ORDER #: 296942

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: (8260)	HNO3	HCl	H2SO4	NaOH	Na2S2O3	None	Other (Specify)	Matrix: Soil/Solid	Water	Analyze For: 8015M	TPH: 418.1	TPH: TX 1005	TPH: TX 1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, Alkalinity)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030 or BTEX 8260	RCI	N.O.R.M.	RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
01	TP#2		40'	1-31-08	11:20Am		1	X									5	X					X								X	
02	TP#5		35'	1-31-08	11:50Am		1	X									5	X					X								X	

Special Instructions:

Relinquished by:	Date	Time	Received by:	Date	Time
Jason Jessup	21-08	8:00A		2-1-08	8:00A
Relinquished by:	Date	Time	Received by:	Date	Time
	2-1-08	11:15A			
Relinquished by:	Date	Time	Received by ELOT:	Date	Time
			Andrea Lam	2-1-08	1115

Laboratory Comments:

Sample Containers Intact?	B B	N
VOCs Free of Headspace?	Y Y	N
Labels on container(s) On Lid	Y Y	N
Custody seals on container(s)	Y Y	N
Custody seals on cooler(s)	Y Y	N
Sample Hand Delivered by Sampler/Client Rep ?	Y Y	N

by Courier? UPS DHL FedEx Lone Star
4 oz glass
Temperature Upon Receipt: 2.0 °C

Environmental Lab of Texas

Variance/ Corrective Action Report- Sample Log-In

Client: Elke Env.

Date/ Time 2.108 11:15

Lab ID # : 296942

Initials CL

Sample Receipt Checklist

				Client Initials
#1	Temperature of container/ cooler?	(Yes)	No	2.0 °C	
#2	Shipping container in good condition?	(Yes)	No		
#3	Custody Seals intact on shipping container/ cooler?	Yes	No	(Not Present)	
#4	Custody Seals intact on sample bottles/ container?	(Yes)	No	Not Present	
#5	Chain of Custody present?	(Yes)	No		
#6	Sample instructions complete of Chain of Custody?	(Yes)	No		
#7	Chain of Custody signed when relinquished/ received?	(Yes)	No		
#8	Chain of Custody agrees with sample label(s)?	Yes	No	(ID written on Cont / Lid	
#9	Container label(s) legible and intact?	Yes	No	(Not Applicable)	
#10	Sample matrix/ properties agree with Chain of Custody?	(Yes)	No		
#11	Containers supplied by ELOT?	(Yes)	No		
#12	Samples in proper container/ bottle?	(Yes)	No	See Below	
#13	Samples properly preserved?	(Yes)	No	See Below	
#14	Sample bottles intact?	(Yes)	No		
#15	Preservations documented on Chain of Custody?	(Yes)	No		
#16	Containers documented on Chain of Custody?	(Yes)	No		
#17	Sufficient sample amount for indicated test(s)?	(Yes)	No	See Below	
#18	All samples received within sufficient hold time?	(Yes)	No	See Below	
#19	Subcontract of sample(s)?	Yes	No	(Not Applicable)	
#20	VOC samples have zero headspace?	(Yes)	No	Not Applicable	

Variance Documentation

Contact: _____ Contacted by: _____ Date/ Time: _____

Regarding: _____

Corrective Action Taken: _____

Check all that Apply:

- ☐ See attached e-mail/ fax
- ☐ Client understands and would like to proceed with analysis
- ☐ Cooling process had begun shortly after sampling event

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-144
June 1, 2004

For drilling and production facilities, submit to appropriate NMOCD District Office.
For downstream facilities, submit to Santa Fe office

Pit or Below-Grade Tank Registration or Closure

Is pit or below-grade tank covered by a "general plan"? Yes ☐ No ☒
Type of action: Registration of a pit or below-grade tank ☐ Closure of a pit or below-grade tank ☒

Operator: Oxy USA Telephone: 505-887-8337 e-mail address: rick_kerby@oxy.com
Address: P. O. Box 1988 Carlsbad, NM 88221
Facility or well name: Merland C Com #1 API #: 30-015-20797 U/L or Qtr/Qtr F Sec 19 T 22S R 27E
County: Eddy Latitude _____ Longitude _____ NAD: 1927 ☐ 1983 ☐
Surface Owner: Federal ☐ State ☐ Private ☒ Indian ☐

Pit	Below-grade tank
Type: Drilling ☒ Production ☐ Disposal ☐ Workover ☐ Emergency ☐ Lined ☒ Unlined ☐ Liner type: Synthetic ☒ Thickness ____mil Clay ☐ Pit Volume _____bbl	Volume: ____bbl Type of fluid: _____ Construction material: _____ Double-walled, with leak detection? Yes ☐ If not, explain why not.

Depth to ground water (vertical distance from bottom of pit to seasonal high water elevation of ground water.) **GW = 87'**	Less than 50 feet 50 feet or more, but less than 100 feet 100 feet or more	(20 points) (10 points) **XXX** (0 points)
Wellhead protection area: (Less than 200 feet from a private domestic water source, or less than 1000 feet from all other water sources.)	Yes No	(20 points) (0 points) **XXX**
Distance to surface water: (horizontal distance to all wetlands, playas, irrigation canals, ditches, and perennial and ephemeral watercourses.)	Less than 200 feet 200 feet or more, but less than 1000 feet 1000 feet or more	(20 points) (10 points) (0 points) **XXX**
	Ranking Score (Total Points)	**10 points**

If this is a pit closure: (1) Attach a diagram of the facility showing the pit's relationship to other equipment and tanks. (2) Indicate disposal location: (check the onsite box if your are burying in place) onsite ☒ offsite ☐ If offsite, name of facility_____. (3) Attach a general description of remedial action taken including remediation start date and end date. (4) Groundwater encountered: No ☒ Yes ☐ If yes, show depth below ground surface_____ft. and attach sample results.
(5) Attach soil sample results and a diagram of sample locations and excavations.

Additional Comments: **Closure for reclamation of an abandoned well pad and historic drilling pit.** Contents of the historic drilling pit will be excavated and deep buried in a 12 mil lined trench. The trench will be capped with a 20 mil liner a minimum of 3' below ground surface and overlapping 3' in all directions. A 20 mil impervious liner will then be installed to cap the contamination below the historic drilling pit. The cap will be domed to prevent any further migration of the chloride contaminated soil. Clean soil Will be backfilled and contoured to the surrounding area, then seeded with BLM seed mixture #2 & #3. A plat map and analytical is included showing the delineation of the chloride impacted soil to below NMOCD standards.
A full report will be given at the completion of the job.

I hereby certify that the information above is true and complete to the best of my knowledge and belief. **I further certify that the above-described pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☐, a general permit ☐, or an (attached) alternative OCD-approved plan ☒.**

Date: 2-8-08
Printed Name/Title Logan Anderson - Agent Signature _____

Your certification and NMOCD approval of this application/closure does not relieve the operator of liability should the contents of the pit or tank contaminate ground water or otherwise endanger public health or the environment. Nor does it relieve the operator of its responsibility for compliance with any other federal, state, or local laws and/or regulations.

Approval:
Signature Signed By Mike Bratcher Date: FEB 05 2008

Notify OCD 24 hours prior to beginning pit closure.