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

RECEIVED
APR 05 2010
HOBBSOCD

State of New Mexico
Energy Minerals and Natural Resources

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

Form C-141
Revised October 10, 2003

Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☒ Final Report

Name of Company OXY USA	Contact Kelton Beaird
Address 1502 W. Commerce Carlsbad, NM 88220	Telephone No. (O) 575-628-4100
Facility Name Caleb State #1	Facility Type Tank Battery

Surface Owner State	Mineral Owner	Lease No.

LOCATION OF RELEASE API #30-025-37497-00-00

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
K	36	9S	32E					LEA

Latitude_____ **Longitude**_____

NATURE OF RELEASE

Type of Release Produced Water	Volume of Release 30bbls	Volume Recovered 0
Source of Release Tank	Date and Hour of Occurrence	Date and Hour of Discovery 9-19-09 @ 9am
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? Geoffrey Leking	
By Whom? Kelton Beaird	Date and Hour See above	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*
Corrosion caused a hole to form in the bottom of the tank

Describe Area Affected and Cleanup Action Taken.*
The area affected was inside the containment around the battery. As approved by NMOCD, 3 feet of contaminated material was removed and hauled to an Gandy Marley Disposal. The excavated area was then lined with 6" of sand, a 20 mil plastic liner, and backfilled will like material.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature:	OIL CONSERVATION DIVISION	
Printed Name: Kelton Beaird	Approved by ~~District Supervisor~~ ENV ENGINEER: Geoffrey Leking	
Title: HES Specialist	Approval Date: 04/15/10	Expiration Date: –
E-mail Address: kelton_beaird@oxy com	Conditions of Approval:	Attached ☐
Date: 4-1-2010		IRP-10-4-2481

* Attach Additional Sheets If Necessary

Leking, Geoffrey R, EMNRD

From: Leking, Geoffrey R, EMNRD
Sent: Wednesday, February 03, 2010 7:21 AM
To: 'Kelton_Beaird@oxy.com'
Subject: RE: RE: Oxy - Caleb State #1 Battery

Kelton

That is a good idea. Go ahead. Thank you.

Geoffrey Leking
Environmental Engineer
NMOCD-Hobbs

From: Kelton_Beaird@oxy.com [mailto:Kelton_Beaird@oxy.com]
Sent: Wednesday, February 03, 2010 6:30 AM
To: Leking, Geoffrey R, EMNRD
Cc: la_elkeenv@yahoo.com
Subject: FW: RE: Oxy - Caleb State #1 Battery

Geoffrey,

Thanks for the approval on the Caleb Battery. I understand the need for sand below and on top of the liner, but have a question as to placing 2.5 feet of chat. In my opinion chat is more subject to penetration from liquids then caliche is. If we do have another spill or when it rains, I see the fluids penetrating the chat way easier than if we backfilled with caliche. Could we still put 6" of sand on top of the liner, backfill with caliche and top with gravel for more absorption.

Thanks,

Kelton Beaird
HES Specialist
MidCon Southwest
Carlsbad, NM
Office: 575-628-4121
Cell: 575-390-1903
Fax: 575-628-4125

From: Logan Anderson [mailto:la_elkeenv@yahoo.com]
Sent: Tuesday, February 02, 2010 4:42 PM
To: Beaird, Kelton H
Subject: Fw: RE: Oxy - Caleb State #1 Battery

Here is the NMOCD Approval

Thanks,
Logan Anderson

Project Manager
Elke Environmental, Inc.
off 432-366-0043
cell 432-664-1269
fax 432-366-0884

--- On **Tue, 2/2/10, Leking, Geoffrey R, EMNRD <*GeoffreyR.Leking@state.nm.us*>** wrote:

From: Leking, Geoffrey R, EMNRD <GeoffreyR.Leking@state.nm.us>
Subject: RE: Oxy - Caleb State #1 Battery
To: "Logan Anderson" <la_elkeenv@yahoo.com>
Date: Tuesday, February 2, 2010, 4:57 PM

Logan

The work plan is approved with the condition that excavation be performed to a depth of 3' bgs instead of only 1'. If the underlying material is rocky caliche like material then emplace 6" of soft sand material before emplacing the 20 mil liner and then emplace 6" of soft sand material and then 2' of chat over the liner. However, if the underlying material is already a soft sand material, then emplace the liner, emplace 6" of soft sand material and then 2.5' of chat.

Please contact me if you have any questions. Thank you.

Geoffrey Leking
Environmental Engineer
NMOCD-Hobbs

From: Logan Anderson [mailto:la_elkeenv@yahoo.com]
Sent: Wednesday, December 30, 2009 8:37 AM
To: Leking, Geoffrey R, EMNRD
Cc: Kelton Beaird
Subject: Oxy - Caleb State #1 Battery

Mr. Leking,

Attached is a remediation plan sent to you by email on 12-4-09. I am resending the remediation plan because we never recieved a response from you on wether the plan was approved or not. Can you please review the remediation plan and let us know if you approve? Thanks for your time in this manner.

Thanks,
Logan Anderson

Project Manager
Elke Environmental, Inc.
off 432-366-0043
cell 432-664-1269
fax 432-366-0884

---

scanned by the Sybari - Antigen Email System.

Leking, Geoffrey R, EMNRD

From: Logan Anderson [la_elkeenv@yahoo.com]
Sent: Thursday, December 03, 2009 2:13 PM
To: Leking, Geoffrey R, EMNRD
Cc: Kelton Beaird
Subject: Oxy USA - Caleb State #1 Battery
Attachments: Remediation Plan.pdf; Initial C-141 (Notification).doc

Mr. Leking,

Attached is the remediation plan for the Oxy USA - Caleb State #1 Battery. There is not an RP# assigned to this spill on the NMOCD website yet. I also attached a copy of the original C-141 (Notification) that was sent on 9-21-09. If you have any questions feel free to contact me.

Thanks,
Logan Anderson

Project Manager
Elke Environmental, Inc.
off 432-366-0043
cell 432-664-1269
fax 432-366-0884

Remediation Plan

Prepared for
Oxy USA

Caleb State #1 Battery
Lea 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

December 3, 2009

New Mexico Oil Conservation Division
Mr. Geoffrey Leking
1625 N French Drive
Hobbs, New Mexico 88240

Re: Remediation Plan for Oxy USA – Caleb State #1 Battery
UL 'K' Sec. 36 T9S R32E Lea County
1RP-09-

Mr. Geoffrey Leking,

Elke Environmental was contracted by Oxy USA to complete the remediation of the impacted soil at the Caleb State #1 Battery Spill. The spill was contained inside the battery. A vertical and horizontal delineation of the site was completed with a backhoe. A borehole was drilled to determine groundwater, the borehole was drilled to 150' and left open for 72 hours. After 72 hours an interface probe was used to check for water in the borehole and the hole was dry. The borehole was plugged with bentonite pellets. The ranking criteria for this site is as follows: Surface Body of Water – 0 points; Wellhead Protection Area – 0 points; Groundwater Depth – 0 points (GW = >150'). The total ranking for the site is 0 points. RAL's for the site are Chloride – 250 ppm, TPH – 5,000 ppm and BTEX – 100 ppm (using field vapor headspace measurement). Attached is a plat map, field analytical, driller's log and lab confirmation for the site.

Oxy USA proposes to excavate all impacted soil to a depth of 12" and haul to Gandy Marley Disposal. A 20 mil poly liner will be installed at 12" and the excavation will be backfilled with clean native soil. The site will not be re-seeded since the site is a caliche pad for a battery. A final report will be submitted at the completion of the remediation. If you have any questions about the enclosed report please contact me at the office.

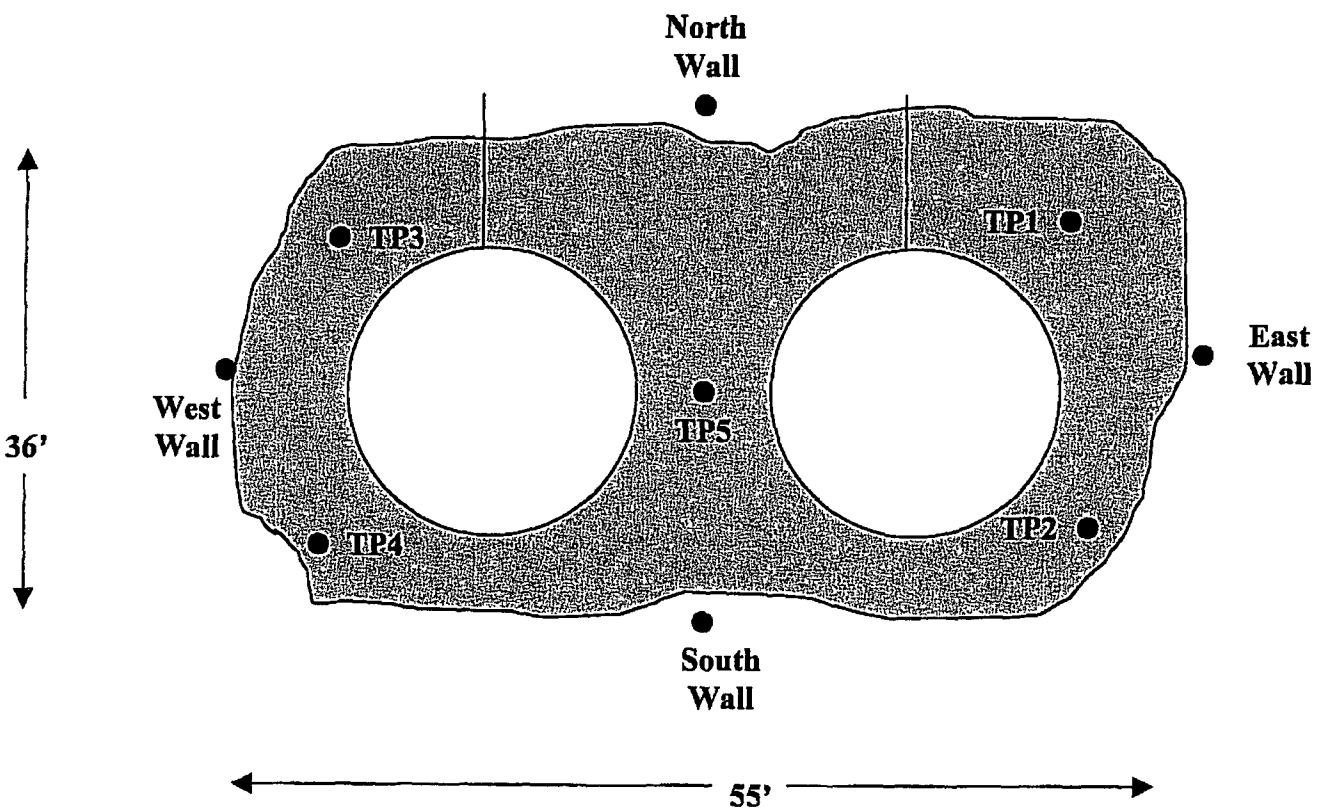
Sincerely,

Logan Anderson

Oxy USA
Caleb State #1 Battery

N

Plat Map



Elke Environmental, Inc.

P.O. Box 14167 Odessa, TX 79768

Field Analytical Report Form

Client Oxy USA **Analyst** Curtis Elam

Site Caleb State #1

Sample ID	Date	Depth	TPH / PPM	Cl / PPM	PID / PPM	GPS
TP1	9-24-09	Surface	1,480	7,231	33.1	33° 29.243' N 103° 37.621' W
TP1	9-24-09	2'	7,680	1,930	26.7	33° 29.243' N 103° 37.621' W
TP1	9-24-09	4'	6,510	612	41.3	33° 29.243' N 103° 37.621' W
TP1	9-24-09	6'	855	100	11.4	33° 29.243' N 103° 37.621' W
TP2	9-24-09	Surface	2,303	8,201	46.2	33° 29.241' N 103° 37.621' W
TP2	9-24-09	2'	5,964	2,107	71.1	33° 29.241' N 103° 37.621' W
TP2	9-24-09	4'	3,681	721	36.5	33° 29.241' N 103° 37.621' W
TP2	9-25-09	6'	1,300	562	19.9	33° 29.241' N 103° 37.621' W
TP2	9-25-09	8'	900	471	17.7	33° 29.241' N 103° 37.621' W
TP2	9-25-09	10'	100	200	14.6	33° 29.241' N 103° 37.621' W
TP3	9-24-09	Surface	1,502	12,332	210	33° 29.243' N 103° 37.630' W
TP3	9-24-09	2'	6,321	1,008	198	33° 29.243' N 103° 37.630' W
TP3	9-24-09	4'	5,480	1,000	145	33° 29.243' N 103° 37.630' W
TP3	9-25-09	6'	5,100	962	233	33° 29.243' N 103° 37.630' W
TP3	9-25-09	8'	4,790	381	234	33° 29.243' N 103° 37.630' W
TP3	9-25-09	10'	1,560	200	136	33° 29.243' N 103° 37.630' W
TP3	9-25-09	12'	23	154	93.7	33° 29.243' N 103° 37.630' W

Analyst Notes

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

Field Analytical Report Form

Client Oxy USA **Analyst** Curtis Elam

Site Caleb State #1

Sample ID	Date	Depth	TPH / PPM	Cl / PPM	PID / PPM	GPS
TP4	9-24-09	Surface	1,267	600	403	33° 29.239' N 103° 37.630' W
TP4	9-24-09	2'	1,621	1,503	501	33° 29.239' N 103° 37.630' W
TP4	9-25-09	4'	1,115	230	458	33° 29.239' N 103° 37.630' W
TP4	9-25-09	6'	1,268	373	477	33° 29.239' N 103° 37.630' W
TP4	9-25-09	8'	1,360	280	495	33° 29.239' N 103° 37.630' W
TP4	9-25-09	10'	8,150	150	371	33° 29.239' N 103° 37.630' W
TP4	9-25-09	12'	24	175	92.9	33° 29.239' N 103° 37.630' W
TP5	9-24-09	Surface	1,431	9,213	302	33° 29.241' N 103° 37.626' W
TP5	9-24-09	2'	10,430	1,043	388	33° 29.241' N 103° 37.626' W
TP5	9-25-09	4'	2,350	1,350	210	33° 29.241' N 103° 37.626' W
TP5	9-25-09	6'	713	1,700	104	33° 29.241' N 103° 37.626' W
TP5	9-25-09	8'	322	370	39.6	33° 29.241' N 103° 37.626' W
TP5	9-25-09	10'	13	214	17.1	33° 29.241' N 103° 37.626' W
North Wall	9-25-09	Surface	37	190	11.3	33° 29.243' N 103° 37.629' W
South Wall	9-25-09	Surface	45	210	11.7	33° 29.237' N 103° 37.630' W
East Wall	9-25-09	Surface	33	175	2.9	33° 29.240' N 103° 37.623' W
West Wall	9-25-09	Surface	38	156	23.4	33° 29.239' N 103° 37.635' W

Analyst Notes

WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION

POD NUMBER (WELL NUMBER)		OSE FILE NUMBER(S)		
CALEB STATE #1 UNIT K SB-1 1 OF 2				
WELL OWNER NAME(S)		PHONE (OPTIONAL)		
OXY USA				
WELL OWNER MAILING ADDRESS		CITY	STATE	ZIP
P.O. BOX 1988		CARLSBAD	NM	88221

WELL LOCATION (FROM GPS)		DEGREES	MINUTES	SECONDS	
	LATITUDE	33	29	16.00	N
	LONGITUDE	103	37	40.00	W

* ACCURACY REQUIRED ONE TENTH OF A SECOND
* DATUM REQUIRED WGS 84

DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS

MAIN ST TATUM GO 21.7 M W ON 380 TO MORRE RD GO N 7.8 M TO MCGUFFIN RD GO E FOLLOW GPS, LEA CO

2. OPTIONAL

(2.5 ACRE)	(10 ACRE)	(40 ACRE)	(160 ACRE)	SECTION	TOWNSHIP	RANGE
¼	¼	¼	¼		☐ NORTH ☐ SOUTH	☐ EAST ☐ WEST

SUBDIVISION NAME	LOT NUMBER	BLOCK NUMBER	UNIT/TRACT

HYDROGRAPHIC SURVEY	MAP NUMBER	TRACT NUMBER

3. DRILLING INFORMATION

LICENSE NUMBER	NAME OF LICENSED DRILLER	NAME OF WELL DRILLING COMPANY
WD1478	EDWARD BRYAN	STRAUB CORPORATION

DRILLING STARTED	DRILLING ENDED	DEPTH OF COMPLETED WELL (FT)	BORE HOLE DEPTH (FT)	DEPTH WATER FIRST ENCOUNTERED (FT)
11-2-09	11-2-09	0	150	

COMPLETED WELL IS ☐ ARTESIAN ☑ DRY HOLE ☐ SHALLOW (UNCONFINED)

STATIC WATER LEVEL IN COMPLETED WELL (FT): N/A

DRILLING FLUID ☑ AIR ☐ MUD ☐ ADDITIVES – SPECIFY

DRILLING METHOD ☑ ROTARY ☐ HAMMER ☐ CABLE TOOL ☐ OTHER – SPECIFY

DEPTH (FT) FROM	DEPTH (FT) TO	BORE HOLE DIA. (IN)	CASING MATERIAL	CONNECTION TYPE (CASING)	INSIDE DIA. CASING (IN)	CASING WALL THICKNESS (IN)	SLOT SIZE (IN)
0	150	5	N/A	N/A	N/A	N/A	N/A

4. WATER BEARING STRATA

DEPTH (FT) FROM	DEPTH (FT) TO	THICKNESS (FT)	FORMATION DESCRIPTION OF PRINCIPAL WATER-BEARING STRATA (INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES)	YIELD (GPM)

METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA	TOTAL ESTIMATED WELL YIELD (GPM)

FOR OSE INTERNAL USE

WELL RECORD & LOG (Version 6/9/08)

FILE NUMBER	POD NUMBER	TRN NUMBER
LOCATION		PAGE 1 OF 2

5. SEAL AND PUMP

TYPE OF PUMP: ☐ SUBMERSIBLE ☐ JET ☐ NO PUMP – WELL NOT EQUIPPED ☐ TURBINE ☐ CYLINDER ☐ OTHER – SPECIFY:

ANNULAR SEAL AND GRAVEL PACK	DEPTH (FT) FROM	DEPTH (FT) TO	BORE HOLE DIA. (IN)	MATERIAL TYPE AND SIZE	AMOUNT (CUBIC FT)	METHOD OF PLACEMENT
	0	2	5	.5 BAGS OF CEMENT		TOPLOAD
	2	150	5	32 BAGS OF 3/8 PLUG		TOPLOAD

6. GEOLOGIC LOG OF WELL

DEPTH (FT) FROM	DEPTH (FT) TO	THICKNESS (FT)	COLOR AND TYPE OF MATERIAL ENCOUNTERED (INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES)	WATER BEARING?
0	3	3	CALICHE- TAN FINE SAND- SANDSTONE	☐ YES ☑ NO
3	24	21	TAN FINE SAND - SANDSTONE	☐ YES ☑ NO
24	28	4	RED SILTY SAND	☐ YES ☑ NO
28	31	3	RED SILTY SAND- CLAY	☐ YES ☑ NO
31	50	19	TAN FINE SAND - SANDSTONE	☐ YES ☑ NO
50	54	4	BIEGE FINE- VERY SAND - SANDSTONE	☐ YES ☑ NO
54	55	1	TANNISH GREEN SILTY CLAY	☐ YES ☑ NO
55	58	3	TAN FINE SAND - SANDSTONE	☐ YES ☑ NO
58	61	3	TANNISH GREEN SILTY CLAY-SAND	☐ YES ☑ NO
61	68	7	TAN FINE SAND-SANDSTONE- CLAY (LAYERS)	☐ YES ☑ NO
68	72	4	GRAY SILTY CLAY	☐ YES ☑ NO
72	79	7	RED & GRAY SILT CLAY LAYERS LAMINATED W/ FINE SAND	☐ YES ☑ NO
79	82	3	RED SILTY CLAY - SILTY SAND (DARK)	☐ YES ☑ NO
82	83	1	TAN VERY FINE SAND - SANDSTONE	☐ YES ☑ NO
83	85	2	DARK GRAY VERY FINE SAND - SANDSTONE	☐ YES ☑ NO
85	91	6	DARK BROWN VERY FINE SAND - W/ CLAY	☐ YES ☑ NO
91	109	18	TAN FINE SAND - SANDSTONE - RED CLAY	☐ YES ☑ NO

ATTACH ADDITIONAL PAGES AS NEEDED TO FULLY DESCRIBE THE GEOLOGIC LOG OF THE WELL

7. TEST & ADDITIONAL INFO

WELL TEST: METHOD: ☐ BAILER ☐ PUMP ☐ AIR LIFT ☐ OTHER – SPECIFY:

TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.

ADDITIONAL STATEMENTS OR EXPLANATIONS

SOIL BORING ONLY- SOIL BORING WAS PLUGGED AND ABANDONED UPON COMPLETION OF SAMPLING

8. SIGNATURE

THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 20 DAYS AFTER COMPLETION OF WELL DRILLING.

SIGNATURE OF DRILLER _____ DATE _____

FOR OSE INTERNAL USE — WELL RECORD & LOG (Version 6/9/08)

FILE NUMBER	POD NUMBER	TRN NUMBER
LOCATION		PAGE 2 OF 2

WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION

POD NUMBER (WELL NUMBER)		OSE FILE NUMBER(S)	
CALEB STATE #1 UNIT K SB-1 2 OF 2			
WELL OWNER NAME(S)		PHONE (OPTIONAL)	
OXY USA			
WELL OWNER MAILING ADDRESS		CITY	STATE ZIP
P.O. BOX 1988		CARLSBAD	NM 88221

WELL LOCATION (FROM GPS)		DEGREES	MINUTES	SECONDS	
	LATITUDE	33	29	16.00	N
	LONGITUDE	103	37	40.00	W

* ACCURACY REQUIRED ONE TENTH OF A SECOND
* DATUM REQUIRED WGS 84

DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS

MAIN ST TATUM GO 21.7 M W ON 380 TO MORRE RD GO N 7.8 M TO MCGUFFIN RD GO E FOLLOW GPS, LEA CO

2. OPTIONAL

(2.5 ACRE)	(10 ACRE)	(40 ACRE)	(160 ACRE)	SECTION	TOWNSHIP	RANGE
¼	¼	¼	¼		☐ NORTH ☐ SOUTH	☐ EAST ☐ WEST

SUBDIVISION NAME	LOT NUMBER	BLOCK NUMBER	UNIT-TRACT

HYDROGRAPHIC SURVEY	MAP NUMBER	TRACT NUMBER

3. DRILLING INFORMATION

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WD1478	EDWARD BRYAN	STRAUB CORPORATION

DRILLING STARTED	DRILLING ENDED	DEPTH OF COMPLETED WELL (FT)	BORE HOLE DEPTH (FT)	DEPTH WATER FIRST ENCOUNTERED (FT)
11-2-09	11-2-09	0	150	

COMPLETED WELL IS ☐ ARTESIAN ☑ DRY HOLE ☐ SHALLOW (UNCONFINED)

STATIC WATER LEVEL IN COMPLETED WELL (FT): N/A

DRILLING FLUID ☑ AIR ☐ MUD ☐ ADDITIVES - SPECIFY

DRILLING METHOD ☑ ROTARY ☐ HAMMER ☐ CABLE TOOL ☐ OTHER - SPECIFY

DEPTH (FT) FROM	DEPTH (FT) TO	BORE HOLE DIA. (IN)	CASING MATERIAL	CONNECTION TYPE (CASING)	INSIDE DIA CASING (IN)	CASING WALL THICKNESS (IN)	SLOT SIZE (IN)
0	150	5	N/A	N/A	N/A	N/A	N/A

4. WATER BEARING STRATA

DEPTH (FT) FROM	DEPTH (FT) TO	THICKNESS (FT)	FORMATION DESCRIPTION OF PRINCIPAL WATER-BEARING STRATA (INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES)	YIELD (GPM)

METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA	TOTAL ESTIMATED WELL YIELD (GPM)

FOR OSE INTERNAL USE

WELL RECORD & LOG (Version 6/9/08)

FILE NUMBER	POD NUMBER	TRN NUMBER
LOCATION		PAGE 1 OF 2

5. SEAL AND PUMP

TYPE OF PUMP: ☐ SUBMERSIBLE ☐ JET ☐ NO PUMP – WELL NOT EQUIPPED ☐ TURBINE ☐ CYLINDER ☐ OTHER – SPECIFY:

ANNULAR SEAL AND GRAVEL PACK	DEPTH (FT) FROM	DEPTH (FT) TO	BORE HOLE DIA. (IN)	MATERIAL TYPE AND SIZE	AMOUNT (CUBIC FT)	METHOD OF PLACEMENT
	0	2	5	.5 BAGS OF CEMENT		TOPLOAD
	2	150	5	32 BAGS OF 3/8 PLUG		TOPLOAD

6. GEOLOGIC LOG OF WELL

DEPTH (FT) FROM	DEPTH (FT) TO	THICKNESS (FT)	COLOR AND TYPE OF MATERIAL ENCOUNTERED (INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES)	WATER BEARING?
109	113	4	TAN FINE SAND - SANDSTONE	☐ YES ☑ NO
113	125	12	GRAY FINE SAND - SANDSTONE	☐ YES ☑ NO
125	132	7	TAN FINE SAND - SANDSTONE	☐ YES ☑ NO
132	150	18	GRAY SILTY CLAY	☐ YES ☑ NO
TD	150			☐ YES ☐ NO
				☐ YES ☐ NO
				☐ YES ☐ NO
				☐ YES ☐ NO
				☐ YES ☐ NO
				☐ YES ☐ NO
				☐ YES ☐ NO
				☐ YES ☐ NO
				☐ YES ☐ NO
				☐ YES ☐ NO
				☐ YES ☐ NO
				☐ YES ☐ NO
				☐ YES ☐ NO

ATTACH ADDITIONAL PAGES AS NEEDED TO FULLY DESCRIBE THE GEOLOGIC LOG OF THE WELL

7. TEST & ADDITIONAL INFO

WELL TEST: METHOD ☐ BAILER ☐ PUMP ☐ AIR LIFT ☐ OTHER – SPECIFY:

TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.

ADDITIONAL STATEMENTS OR EXPLANATIONS

SOIL BORING ONLY- SOIL BORING WAS PLUGGED AND ABANDONED UPON COMPLETION OF SAMPLING

8. SIGNATURE

THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 20 DAYS AFTER COMPLETION OF WELL DRILLING:

SIGNATURE OF DRILLER — DATE: 11/4/09

FOR OSE INTERNAL USE — WELL RECORD & LOG (Version 6/9/08)

FILE NUMBER	POD NUMBER	TRN NUMBER
LOCATION		PAGE 2 OF 2

Analytical Report 347437

for

Elke Environmental, Inc.

Project Manager: Logan Anderson

Oxy Caleb State # 1 Battery

Oxy Caleb State # 1 Battery

12-OCT-09

12600 West I-20 East Odessa, Texas 79765

Xenco-Houston (EPA Lab code: TX00122):
Texas (T104704215-08-TX), Arizona (AZ0738), Arkansas (08-039-0), Connecticut (PH-0102), Florida (E871002)
Illinois (002082), Indiana (C-TX-02), Iowa (392), Kansas (E-10380), Kentucky (45), Louisiana (03054)
New Hampshire (297408), New Jersey (TX007), New York (11763), Oklahoma (9218), Pennsylvania (68-03610)
Rhode Island (LAO00308), USDA (S-44102)

Xenco-Atlanta (EPA Lab Code: GA00046):
Florida (E87428), North Carolina (483), South Carolina (98015), Utah (AALI1), West Virginia (362), Kentucky (85)
Louisiana (04176), USDA (P330-07-00105)

Xenco-Miami (EPA Lab code: FL01152): Florida (E86678), Maryland (330)
Xenco-Tampa Mobile (EPA Lab code: FL01212): Florida (E84900)
Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400-08-TX)
Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295-08-TX)
Xenco-Corpus Christi (EPA Lab code: TX02613): Texas (T104704370-08-TX)
Xenco-Boca Raton (EPA Lab Code: FL00449): Florida(E86240),
South Carolina(96031001), Louisiana(04154), Georgia(917)

12-OCT-09

Project Manager: **Logan Anderson**
Elke Environmental, Inc.
P.O. Box 14167
Odessa, TX 79768

Reference: XENCO Report No: **347437**
Oxy Caleb State # 1 Battery
Project Address: Oxy Caleb State # 1 Battery

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 347437. 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. 347437 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 347437

Elke Environmental, Inc., Odessa, TX

Oxy Caleb State # 1 Battery

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
TP1 @ 6'	S	Sep-25-09 08:00	6 ft	347437-001
TP2 @ 10'	S	Sep-25-09 09:00	10 ft	347437-002
TP3 @ 12'	S	Sep-25-09 09:45	12 ft	347437-003
TP4 @ 12'	S	Sep-25-09 10:30	12 ft	347437-004
TP5 @ 10'	S	Sep-25-09 13:00	10 ft	347437-005

CASE NARRATIVE

Client Name: Elke Environmental, Inc.
Project Name: Oxy Caleb State # 1 Battery

Project ID:	*Oxy Caleb State # 1 Batter*	*Report Date:*	*12-OCT-09*
Work Order Number:	*347437*	*Date Received:*	*10/07/2009*

Sample receipt non conformances and Comments:

None

Sample receipt Non Conformances and Comments per Sample:

None

Analytical Non Conformances and Comments:

Batch: LBA-776121 Inorganic Anions by EPA 300
None

Batch: LBA-776132 Percent Moisture
None

Batch: LBA-776370 TX1005
Batch 776370, 1-Chlorooctane recovered below QC limits; Data not confirmed by re-analysis. Matrix interference is suspected in sample surrogate failures.
o-Terphenyl recovered below QC limits; Data not confrmed by re-analysis. Matrix interferences is suspected in sample surrogate failures.
Samples affected are: 347437-001 S, 347437-001 SD

C6-C12 Gasoline Range Hydrocarbons recovered above QC limits in the Matrix Spike Duplicate.
Samples affected are: 347437-001
C6-C12 Gasoline Range Hydrocarbons recovered within QC limits in the Laboratory Control Sample.

Certificate of Analysis Summary 347437

Elke Environmental, Inc., Odessa, TX

Project Name: Oxy Caleb State # 1 Battery

Project Id: Oxy Caleb State # 1 Battery
Contact: Logan Anderson
Project Location: Oxy Caleb State # 1 Battery

Date Received in Lab: Wed Oct-07-09 11:50 am
Report Date: 12-OCT-09
Project Manager: Brent Barron, II

Analysis Requested																
	Lab Id:	347437-001			347437-002			347437-003			347437-004			347437-005		
	Field Id:	TP1 @ 6'			TP2 @ 10'			TP3 @ 12'			TP4 @ 12'			TP5 @ 10'		
	Depth:	6 ft			10 ft			12 ft			12 ft			10 ft		
	Matrix:	SOIL			SOIL			SOIL			SOIL			SOIL		
	Sampled:	Sep-25-09 08:00			Sep-25-09 09:00			Sep-25-09 09:45			Sep-25-09 10:30			Sep-25-09 13:00		
Anions by E300	*Extracted:*															
	Analyzed:	Oct-07-09 20:19			Oct-07-09 20:19			Oct-07-09 20:19			Oct-07-09 20:19			Oct-07-09 20:19		
	Units/RL:	mg/kg	RL		mg/kg	RL		mg/kg	RL		mg/kg	RL		mg/kg	RL	
Chloride		51.3	4.36		124	4.45		148	4.78		28.3	4.22		88.2	4.45	
Percent Moisture	*Extracted:*															
	Analyzed:	Oct-07-09 17:00			Oct-07-09 17:00			Oct-07-09 17:00			Oct-07-09 17:00			Oct-07-09 17:00		
	Units/RL:	%	RL		%	RL		%	RL		%	RL		%	RL	
Percent Moisture		3.73	1.00		5.69	1.00		12.1	1.00		ND	1.00		5.54	1.00	
TPH By SW8015 Mod	*Extracted:*	Oct-08-09 10:00			Oct-08-09 10:00			Oct-08-09 10:00			Oct-08-09 10:00			Oct-08-09 10:00		
	Analyzed:	Oct-09-09 04:01			Oct-09-09 04:28			Oct-09-09 05:51			Oct-09-09 06:19			Oct-09-09 06:46		
	Units/RL:	mg/kg	RL		mg/kg	RL		mg/kg	RL		mg/kg	RL		mg/kg	RL	
C6-C12 Gasoline Range Hydrocarbons		ND	15.6		ND	15.9		ND	17.1		ND	15.1		ND	15.9	
C12-C28 Diesel Range Hydrocarbons		23.1	15.6		23.0	15.9		26.1	17.1		ND	15.1		24.1	15.9	
C28-C35 Oil Range Hydrocarbons		ND	15.6		ND	15.9		ND	17.1		ND	15.1		ND	15.9	
Total TPH		23.1	15.6		23.0	15.9		26.1	17.1		ND	15.1		24.1	15.9	

Brent Barron, II
Odessa Laboratory Manager

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 and above the SQL.

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.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

BRL Below Reporting Limit.

RL Reporting Limit

* Outside XENCO's scope of NELAC Accreditation.

Form 2 - Surrogate Recoveries

Project Name: Oxy Caleb State # 1 Battery

Work Orders : 347437,

Project ID: Oxy Caleb State # 1 Battery

Lab Batch #: 776370 **Sample:** 540098-1-BKS / BKS **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 10/08/09 22:35

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	135	100	135	70-135	
o-Terphenyl	47.9	50.0	96	70-135	

Lab Batch #: 776370 **Sample:** 540098-1-BSD / BSD **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 10/08/09 23:03

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	129	100	129	70-135	
o-Terphenyl	42.2	50.0	84	70-135	

Lab Batch #: 776370 **Sample:** 540098-1-BLK / BLK **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 10/08/09 23:31

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	101	100	101	70-135	
o-Terphenyl	52.3	50.0	105	70-135	

Lab Batch #: 776370 **Sample:** 347437-001 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 10/09/09 04:01

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	101	100	101	70-135	
o-Terphenyl	50.7	50.0	101	70-135	

Lab Batch #: 776370 **Sample:** 347437-002 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 10/09/09 04:28

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	50.8	50.0	102	70-135	

* Surrogate outside of Laboratory QC limits

** 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 Caleb State # 1 Battery

Work Orders : 347437,

Project ID: Oxy Caleb State # 1 Battery

Lab Batch #: 776370 **Sample:** 347437-003 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 10/09/09 05:51

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	102	100	102	70-135	
o-Terphenyl	52.7	50.0	105	70-135	

Lab Batch #: 776370 **Sample:** 347437-004 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 10/09/09 06:19

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	91.4	100	91	70-135	
o-Terphenyl	44.7	50.0	89	70-135	

Lab Batch #: 776370 **Sample:** 347437-005 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 10/09/09 06:46

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	93.3	100	93	70-135	
o-Terphenyl	47.6	50.0	95	70-135	

Lab Batch #: 776370 **Sample:** 347437-001 S / MS **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 10/09/09 15:49

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	25.2	100	25	70-135	*
o-Terphenyl	3.22	50.0	6	70-135	*

Lab Batch #: 776370 **Sample:** 347437-001 SD / MSD **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 10/09/09 16:16

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	31.6	100	32	70-135	*
o-Terphenyl	13.7	50.0	27	70-135	*

* Surrogate outside of Laboratory QC limits

** 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 Caleb State # 1 Battery

Work Order #: 347437 **Project ID:** Oxy Caleb State # 1 Battery

Lab Batch #: 776121 **Sample:** 776121-1-BKS **Matrix:** Solid

Date Analyzed: 10/07/2009 **Date Prepared:** 10/07/2009 **Analyst:** LATCOR

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

	BLANK /BLANK SPIKE RECOVERY STUDY					
Anions by E300 **Analytes**	**Blank Result [A]**	**Spike Added [B]**	**Blank Spike Result [C]**	**Blank Spike %R [D]**	**Control Limits %R**	**Flags**
Chloride	ND	10.0	10.2	102	75-125	

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

BS / BSD Recoveries

Project Name: Oxy Caleb State # 1 Battery

Work Order #: 347437
Analyst: BHW
Lab Batch ID: 776370 **Sample:** 540098-1-BKS **Batch #:** 1
Units: mg/kg

Date Prepared: 10/08/2009

Project ID: Oxy Caleb State # 1 Battery
Date Analyzed: 10/08/2009
Matrix: Solid

TPH By SW8015 Mod 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
	BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY										
C6-C12 Gasoline Range Hydrocarbons	ND	1000	1100	110	1000	1080	108	2	70-135	35	
C12-C28 Diesel Range Hydrocarbons	22.0	1000	923	92	1000	886	89	4	70-135	35	

Relative Percent Difference RPD = 200*|(C-F)/(C+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 Recoveries

Project Name: Oxy Caleb State # 1 Battery

Work Order #: 347437

Lab Batch #: 776121 **Project ID:** Oxy Caleb State # 1 Battery

Date Analyzed: 10/07/2009 **Date Prepared:** 10/07/2009 **Analyst:** LATCOR

QC- Sample ID: 347430-001 S **Batch #:** 1 **Matrix:** Soil

Reporting Units: mg/kg

	MATRIX / MATRIX SPIKE RECOVERY STUDY					
Inorganic Anions by EPA 300 **Analytes**	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag
Chloride	3910	2120	6330	114	75-125	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference [E] = 200*(C-A)/(C+B)
All Results are based on MDL and Validated for QC Purposes

BRL - Below Reporting Limit

Form 3 - MS / MSD Recoveries

Project Name: Oxy Caleb State # 1 Battery

Work Order # : 347437 **Project ID:** Oxy Caleb State # 1 Battery

Lab Batch ID: 776370 **QC- Sample ID:** 347437-001 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 10/09/2009 **Date Prepared:** 10/08/2009 **Analyst:** BEV

Reporting Units: mg/kg

	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY										
TPH By SW8015 Mod **Analytes**	**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	1040	1200	115	1040	1480	142	21	70-135	35	X
C12-C28 Diesel Range Hydrocarbons	23.1	1040	1080	102	1040	1250	118	15	70-135	35	

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

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 Caleb State # 1 Battery

Work Order #: 347437

Lab Batch #: 776121 **Project ID:** Oxy Caleb State # 1 Battery

Date Analyzed: 10/07/2009 **Date Prepared:** 10/07/2009 **Analyst:** LATCOR

QC- Sample ID: 347430-001 D **Batch #:** 1 **Matrix:** Soil

Reporting Units: mg/kg

Anions by E300	SAMPLE / SAMPLE DUPLICATE RECOVERY				
Analyte	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Chloride	3910	3920	0	20	

Lab Batch #: 776132

Date Analyzed: 10/07/2009 **Date Prepared:** 10/07/2009 **Analyst:** WRU

QC- Sample ID: 347380-012 D **Batch #:** 1 **Matrix:** Soil

Reporting Units: %

Percent Moisture	SAMPLE / SAMPLE DUPLICATE RECOVERY				
Analyte	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Percent Moisture	14.5	14.3	1	20	

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

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
Fax No: 432-366-0884
Sampler Signature: [signature]
e-mail: la_elkeenv@yahoo.com

Project Name: Dyer Caleb State #1 Battery
Project #: " "
Project Loc: " "
PO #: " "

Report Format: ☐ Standard ☐ TRRP ☐ NPDES

(lab use only)
ORDER #: 347437

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Ice	HNO_3	HCl	H_2SO_4	NaOH	$Na_2S_2O_3$	None	Other (Specify)	Matrix	TPH: 418.1 8015M 8015B	TPH: TX 1005 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	TP1 @ 6'		6'	9-25	8:00		1	1								S	1			1								1	
02	TP2 @ 10'		10'	9-25	9:00		1	1								S	1			1								1	
03	TP3 @ 12'		12'	9-25	9:45		1	1								S	1			1								1	
04	TP4 @ 12'		12'	9-25	10:30		1	1								S	1			1								1	
05	TP5 @ 10'		10'	9-25	11:00		1	1								S	1			1								1	

Special Instructions:

Relinquished by:	Date	Time	Received by:	Date	Time
[signature]	10-7-09	11:30			
			Received by ELOT: Andrea Lam	10-7-09	11:50

Laboratory Comments:
Sample Containers Intact? (Y) N
VOCs Free of Headspace? (Y) N
Labels on container(s) (Y) N
Custody seals on container(s) (Y) N
Custody seals on cooler(s) Y (N)
Sample Hand Delivered (Y) N
by Sampler/Client Rep. ? (Y) N
by Courier? UPS DHL FedEx Lone Star
402 9/135
Temperature Upon Receipt: 3.1 °C

Environmental Lab of Texas

Variance/ Corrective Action Report- Sample Log-In

Client: Elhe Env.

Date/ Time: 10.7.09 11:50

Lab ID #: 347437

Initials: AL

Sample Receipt Checklist

					Client Initials
#1	Temperature of container/ cooler?	(Yes)	No	3 / °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-141
Revised October 10, 2003

Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company - OXY USA	Contact - Kelton Beaird
Address - 1502 W. Commerce Carlsbad, NM 88220	Telephone No. - (O) 575-628-4100
Facility Name - Caleb State #1 Battery	Facility Type - Tank Battery

Surface Owner - State	Mineral Owner	Lease No. 30-025-37497

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
K	36	9S	32E					LEA

Latitude 33° 29.243' N **Longitude** 103° 37.621' W

NATURE OF RELEASE

Type of Release - Produced Water	Volume of Release – 30 bbls	Volume Recovered – 0 bbls
Source of Release - Tank	Date and Hour of Occurrence	Date and Hour of Discovery 9-19-09 @ 9am
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? Geoffrey Leking	
By Whom? Kelton Beaird	Date and Hour See above	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.* Corrosion caused a hole to form in the bottom of the tank.
A vertical and horizontal delineation of the site was completed with a backhoe. A borehole was drilled to determine groundwater, the borehole was drilled to 150' and left open for 72 hours. After 72 hours an interface probe was used to check for water in the borehole and the hole was dry. The borehole was plugged with bentonite pellets. The ranking criteria for this site is as follows: Surface Body of Water – 0 points; Wellhead Protection Area – 0 points; Groundwater Depth – 0 points (GW = >150'). The total ranking for the site is 0 points. RAL's for the site are Chloride – 250 ppm, TPH – 5,000 ppm and BTEX – 100 ppm (using field vapor headspace measurement). Attached is a plat map, field analytical, driller's log and lab confirmation for the site.

Describe Area Affected and Cleanup Action Taken.* Oxy USA proposes to excavate all impacted soil to a depth of 12" and haul to Gandy Marley Disposal. A 20 mil poly liner will be installed at 12" and the excavation will be backfilled with clean native soil. The site will not be re-seeded since the site is a caliche pad for a battery. A final report will be submitted at the completion of the remediation.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature:	OIL CONSERVATION DIVISION	
Printed Name: Logan Anderson	Approved by District Supervisor:	
Title: Consultant	Approval Date:	Expiration Date:
E-mail Address: la_elkeenv@yahoo.com	Conditions of Approval:	Attached ☐
Date: 12-3-2009 Phone : 432-366-0043		

* Attach Additional Sheets If Necessary

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-141
Revised October 10, 2003

Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company OXY USA	Contact Kelton Beaird
Address 1502 W. Commerce Carlsbad, NM 88220	Telephone No. (O) 575-628-4100
Facility Name Caleb State #1	Facility Type Tank Battery

Surface Owner State	Mineral Owner	Lease No.

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
K	36	9S	32E					LEA

Latitude_____ **Longitude**_____

NATURE OF RELEASE

Type of Release Produced Water	Volume of Release 30bbls	Volume Recovered 0
Source of Release Tank	Date and Hour of Occurrence	Date and Hour of Discovery 9-19-09 @ 9am
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? Geoffrey Leking	
By Whom? Kelton Beaird	Date and Hour See above	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*
Corrosion caused a hole to form in the bottom of the tank

Describe Area Affected and Cleanup Action Taken.*
The area affected was inside the containment around the battery

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature:	OIL CONSERVATION DIVISION	
Printed Name: Kelton Beaird	Approved by District Supervisor:	
Title: HES Specialist	Approval Date:	Expiration Date:
E-mail Address: kelton_beaird@oxy.com	Conditions of Approval:	Attached ☐
Date: 9-21-2009		

* Attach Additional Sheets If Necessary