

REMEDIATION CLOSURE REPORT

STATE A-26 BATTERY

NMOCD REF. 1RP-1221

EPI REF: 200082

UL-L (NW $\frac{1}{4}$ OF THE SW $\frac{1}{4}$) OF SECTION 26, T19S, R36E

~4 MILES WEST OF MONUMENT

LEA COUNTY, NEW MEXICO

LATITUDE: N 32° 37' 46.47"

LONGITUDE: W 103° 19' 56.87"

JANUARY 2008

PREPARED BY:

**ENVIRONMENTAL PLUS, INC.
2100 AVENUE O
EUNICE, NEW MEXICO 88231**

*OK to close.
Chris Williams
1/30/08*

PREPARED FOR:



RECEIVED

JAN 28 2008

HOBBS OCD



January 25, 2008

Mr. Larry Johnson
Environmental Engineer
New Mexico Oil Conservation Division
1625 North French Drive
Hobbs, New Mexico 88240

RE: **Remediation Closure Report**
Chevron USA
State A-26 Battery
UL-L (NW ¼ of the SW ¼), Section 26, T 19 S, R 36 E
Latitude: 32° 37' 46.47"; Longitude: 103° 19' 56.87"
NMOCD Ref. 1RP-1221; EPI Ref. #200082

Dear Mr. Johnson:

Environmental Plus, Inc., (EPI) on behalf of Chevron USA, submits the following Remediation Closure Report implementing procedures as outlined in the Remediation Proposal submitted 21 August 2007.

Remedial activities were initiated to bring the impacted area into acceptable conformance with NMOCD requirements. For clarity and cross reference elimination purposes, the following Letter Remediation Closure Report offers Site Background, Analytical Data, Field Work and Conclusions.

Site Background

The Site is located in UL-L (NW ¼ of the SW ¼) of Section 26, T19S, R36E at an elevation of approximately 3,700 feet above mean sea level (amsl). The property is owned by the State of New Mexico and managed by the New Mexico State Land Office. A search for water wells was completed utilizing the New Mexico Office of the State Engineers website and a database maintained by the United States Geological Survey (USGS). Zero (0) water wells or surface water features exist within a 1,000 feet radius of the release site (reference *Figure 2*). Groundwater data taken from domestic and USGS water wells within a one (1) mile radius indicates an average water depth of approximately thirty-eight (38) feet below ground surface (bgs). Based on available information, it was determined distance between impacted soil and groundwater is less than thirty-three (33) feet bgs. Utilizing this information, New Mexico Oil Conservation Division (NMOCD) Remedial Goals for this Site were determined as follows:

Parameter	Remedial Goal
Benzene	10 parts per million
BTEX	50 parts per million
TPH	100 parts per million

* Chloride residuals may not be capable of impacting local Groundwater above NMWQCC of 250 mg/L



- A. **Analytical Data** - Field analyses for organic vapor concentrations were non-detectable in both soil borings. Chloride concentrations in SB-1 ranged from 160 mg/kg (9.5-10 feet bgs) to 400 mg/Kg (4.5-5 feet bgs). Chloride concentrations in Soil Boring SB-2 ranged from 160 mg/Kg (9.5-10 feet bgs) to 240 mg/Kg (4.5-5 feet bgs) (reference *Table 2*).

Laboratory analytical results indicated BTEX and TPH concentrations were not at or above laboratory analytical method detection limits (MDL) for both soil borings. Chloride concentrations in SB-1 ranged from 496 mg/Kg (4.5-5 feet bgs) to 64 mg/Kg (14.5-15 feet bgs). Chloride concentrations in SB-2 ranged from 128 mg (4.5-5 feet bgs) to 16 mg/Kg (9.5-10 feet bgs) (reference *Table 2*).

- B. **Field Work** – On 06 April 2006 EPI mobilized at the tank battery to direct locations and depth of two (2) soil borings. Both soil borings were advanced within confines of the tank battery area to total depth (TD) of fifteen (15) feet bgs (reference *Figure 5*). During advancement of soil borings, soil samples were collected at 4.5'-5' feet increments to total depth (TD) of each respective soil boring. Information regarding lithology of soil borings is provided in Attachment III, *Soil Boring Logs*.

From 15 - 29 October 2007 approximately 217yds³ of visibly stained impacted material (i.e., slurry solution ratio composed of ±75% impacted soil:±25% water) were hydro-excavated to a maximum depth of two (2) feet bgs. During the hydro-excavation process, care was taken not to undermine soil stability beneath existing vessels and piping. Impacted soil was transported to Sundance Services, Inc., for disposal.

The excavation was backfilled with approximately 190 yds³ of imported graded caliche. Backfilling was completed to original elevation with existing caliche berms repaired and raised in elevation. A caliche berm was added to the north side of the remediated area to provide closure on all four (4) sides. The interior and caliche berms were smoothly graded. A felt liner was placed over the bottom of the interior sector and overlapped caliche berms. A plastic coating was sprayed over the felt liner to form an impervious barrier. Overlapping caliche berms was undertaken to reduce erosion effects caused by wind/rain and produce a totally enclosed catch basin.

- C. **Conclusion** – According to field analyses and laboratory analytical results, the release area soil is slightly impacted with chlorides. However, residual chloride concentrations diminish with vertical depth and are confined to a relatively small area limiting potential for contaminating groundwater above New Mexico Water Quality Control Commission (NMWQCC) Ground Water Standards of 250 mg/L (reference *Table 2*). In order to further avert migration of contaminants through the strata, a combination felt/plastic liner was installed over the bottom and overlapped the caliche berms. The remediation efforts undertaken were designed to minimize effects of potential impacts on soil and groundwater should future spills be encountered. When the active tank battery is decommissioned, Chevron USA will provide NMOCD with a proposal for remediation of the compound and surrounding areas.



Please address questions, concerns and/or needs for additional technical information to David P. Duncan at (575) 394-3481 (office), (575) 441-7802 (cellular) or via e-mail at dduncan@envplus.net. Official correspondence should be addressed to Mr. Billy Anderson, Chevron USA, at (575) 394-1237 (Office), (575) 441-5438 (Mobile) or via e-mail at BillyAnderson@chevron.com.

Sincerely,

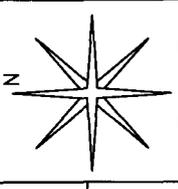
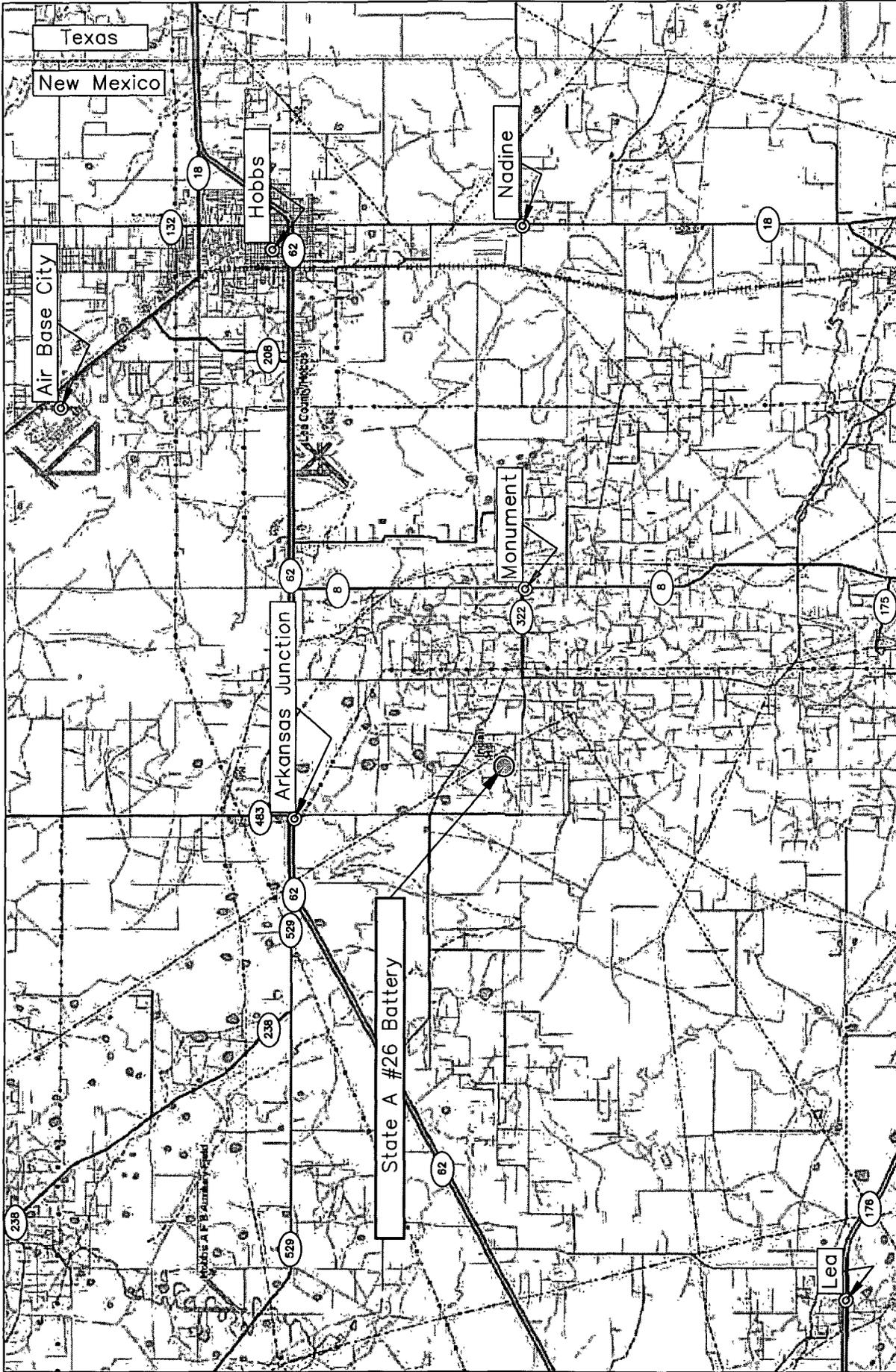
Brandon Farrar
Environmental Consultant

Cc: Billy A. Anderson, HES Specialist, Chevron USA, Eunice, NM
Thaddeus Kostrubala, Environmental Engineer, NMSLO - Santa Fe, NM
Myra Meyers, District Resource Manager, NMSLO – Hobbs, NM
File

Encl: Figure 1 – Area Map
Figure 2 – Site Location Map
Figure 3 – Site Map
Figure 4 – Soil Boring Map
Table 1 – Well Information Report
Table 2 – Summary of Soil Sample Laboratory Analytical Results
Attachment I – Site Photographs
Attachment II – Laboratory Analytical Results and Chain-of-Custody Forms
Attachment III – Soil Boring Logs
Attachment IV – Copies of Initial NMOCD Form C-141
Final NMOCD Form C-141

ENCLOSURES

FIGURES

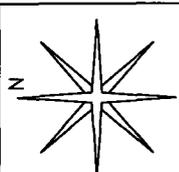
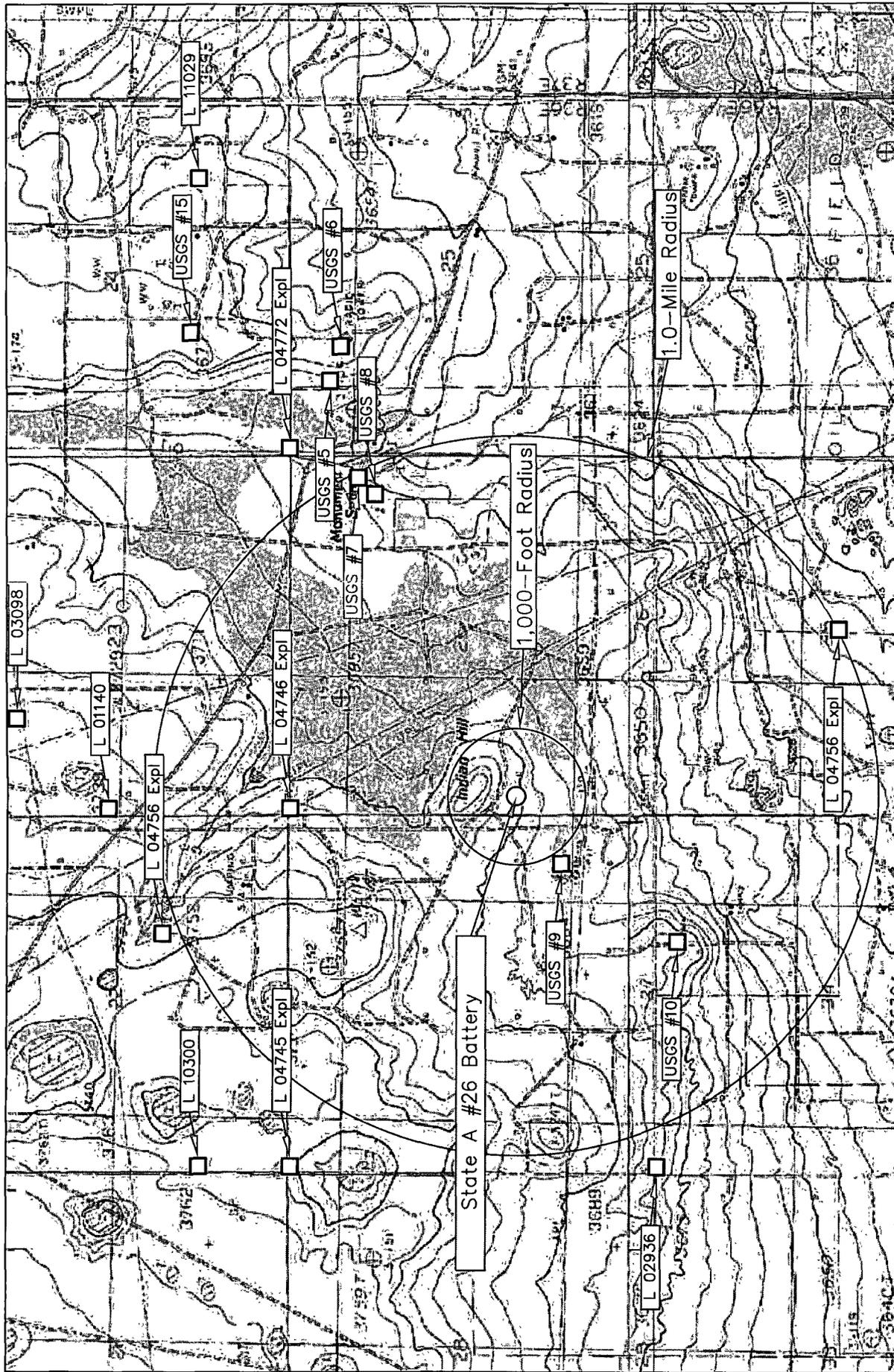


DWG By: Daniel Dominguez
November 2006

Lea County, New Mexico
NW 1/4 of the SE 1/4, Sec. 26, T19S, R36E
N 32° 37' 46.47" W 103° 19' 56.87"
Elevation: 3,700 feet amsl

Figure 1
Area Map
Chevron Corporation
State A #26 Battery



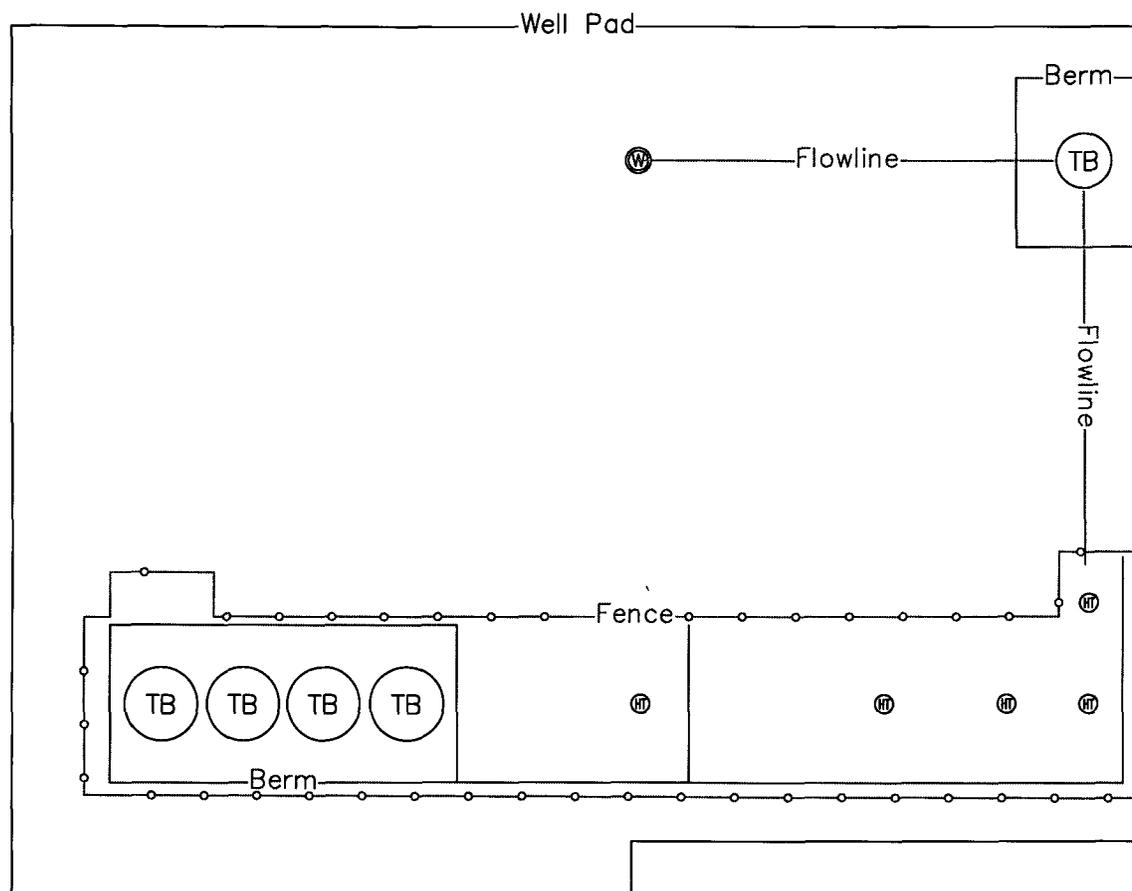


DWG By: Daniel Dominguez
November 2006

REVISID:
4,000 SHEET
0 2,000 4,000
1 of 1
Feet

Lea County, New Mexico
NW 1/4 of the SE 1/4, Sec. 26, T19S, R36E
N 32° 37' 46.47" W 103° 19' 56.87"
Elevation: 3,700 feet amsl

Figure 2
Site Location Map
Chevron Corporation
State A #26 Battery



LEGEND

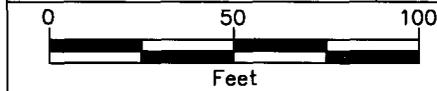
-  Oil Well
-  Tank Battery
-  Heater Treater

Figure 3
 Site Map
 Chevron Corporation
 State A #26 Battery

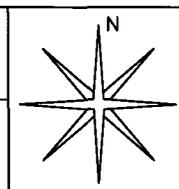
Lea County, New Mexico
 NW 1/4 of the SE 1/4, Sec. 26, T19S, R36E
 N 32°37' 46.47" W 103°19' 56.87"
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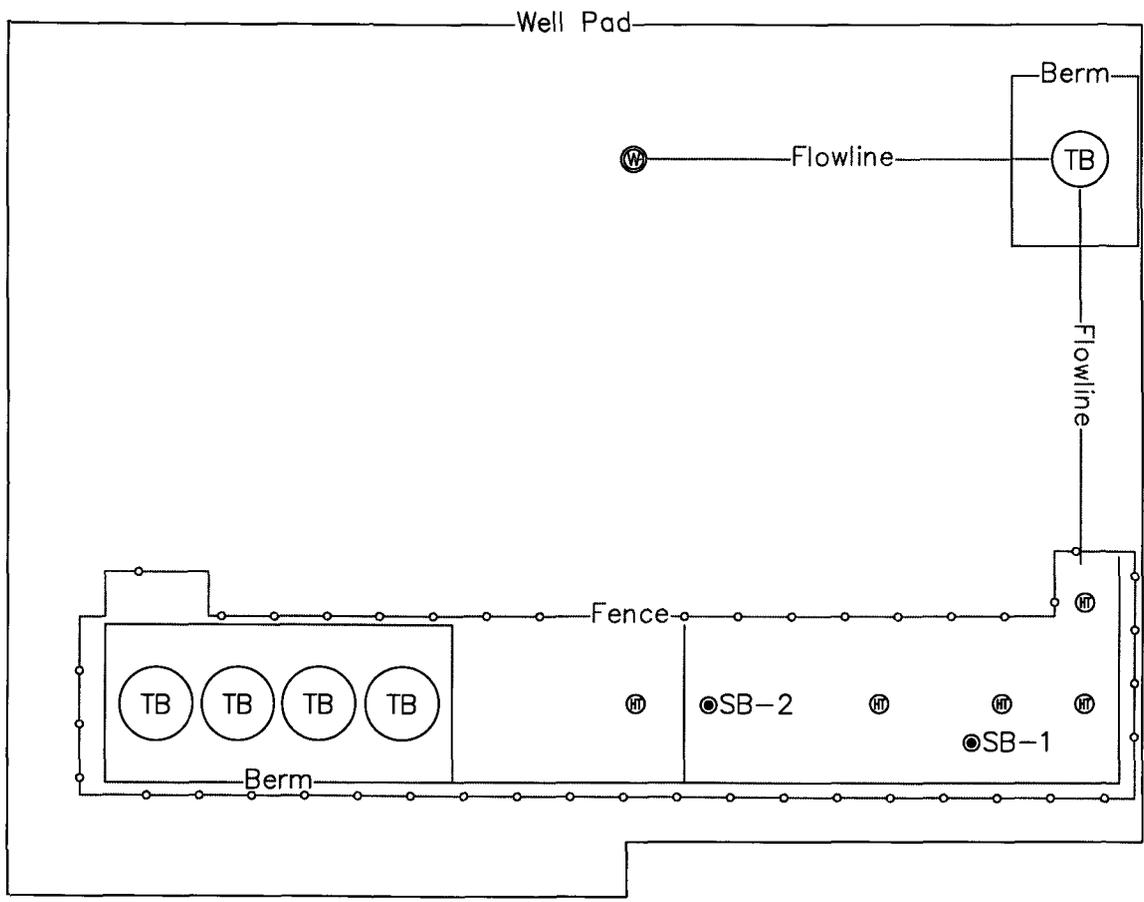
DWG By: Daniel Dominguez
 November 2006

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 1 of 1





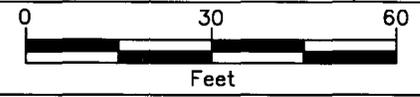
LEGEND

-  Oil Well
-  Tank Battery
-  Heater Treater
-  Soil Boring

Figure 4
Soil Boring Map
Chevron Corporation
State A #26 Battery

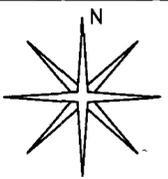
Lea County, New Mexico
NW 1/4 of the SE 1/4, Sec. 26, T19S, R36E
N 32°37' 46.47" W 103°19' 56.87"
Elevation: 3,700 feet amsl

DWG By: Daniel Dominguez
November 2006



REVISED:

SHEET
1 of 1



TABLES

TABLE 1

WELL INFORMATION REPORT*

Chevron USA - State A-26 Battery (Ref #200082)

Well Number	Diversion ^A	Owner	Use	Twsp	Rng	Sec q q q	Latitude	Longitude	Date Measured	Surface Elevation ^B	Depth to Water
L 04745 EXPL	3	CLIMAX CHEMICAL COMPANY	EXP	19S	36E	22	N32° 38' 18.75"	W103° 21' 0.92"	03-Dec-61	3,754	57
L 10300	3	COOPER BETTY P	STK	19S	36E	22 3 1 2	N32° 38' 31.89"	W103° 21' 0.90"	22-Dec-92	3,757	68
L 01140	3	ELLEN WEIR & SONS	STK	19S	36E	23 1	N32° 38' 44.94"	W103° 19' 59.07"	13-Oct-51	3,739	45
L 03098	3	THE TEXAS COMPANY	PRO	19S	36E	23 1 2	N32° 38' 58.03"	W103° 19' 43.54"	25-Jan-56	3,738	55
L 04746 EXPL	3	CLIMAX CHEMICAL COMPANY	EXP	19S	36E	23	N32° 38' 18.75"	W103° 19' 59.10"	29-Nov-61	3,715	57
L 04772 EXPL	3	CLIMAX CHEMICAL COMPANY	EXP	19S	36E	24	N32° 38' 18.74"	W103° 18' 57.10"	28-Dec-61	3,655	70
L 11029	3	TEXACO EXPLORATION & PROD.,INC	POL	19S	36E	24 4 2	N32° 38' 31.85"	W103° 18' 10.79"	14-Oct-99	3,704	59
L 02936	3	VERNA DRILLING CO.	PRO	19S	36E	27 3 3	N32° 37' 26.26"	W103° 21' 0.92"	15-Jul-55	3,685	28
L 04756 EXPL	3	CLIMAX CHEMICAL COMPANY	EXP	19S	36E	35 2	N32° 37' 0.08"	W103° 19' 28.22"	09-Dec-61	3,607	70
USGS #2				19S	36E	22 4 1 4			10-Feb-66	3,745	53.16R
USGS #4				19S	36E	24 3 2 3			22-Jan-96	3,710	66.89
USGS #5				19S	36E	25 1 1 2			18-Mar-54	3,680	16.01R
USGS #6				19S	36E	25 1 2 3			01-Mar-61	3,698	62.73
USGS #7				19S	36E	26 2 2 4			07-May-54	3,650	6.72
USGS #8				19S	36E	26 2 4 2			25-Mar-91	3,651	14.09
USGS #9				19S	36E	27 4 2 3			09-Jan-86	3,681	19.89
USGS #10				19S	36E	34 2 1 2			26-Mar-91	3,680	18.42
L 10804	8	TEXAS-NEW MEXICO PIPELINE CO.	POL	19S	36E	34 4 4	N32° 36' 33.90"	W103° 20' 14.61"	16-Sep-97	3,615	50
L 03921	3	T. E. MUSICK	STK	19S	36E	35 3 4	N32° 36' 33.91"	W103° 19' 43.70"	18-Jul-58	3,604	50
USGS #1				19S	36E	22 1 2 2			27-Feb-96	3,758	66.18
USGS #3				19S	36E	23 1 2 3			25-Mar-91	3,719	62.03
USGS #11				19S	36E	35 3 4 3			26-Mar-91	3,601	37.36
USGS #12				19S	36E	35 3 1 3			22-Jan-96	3,615	47.74

* = Data obtained from the New Mexico Office of the State Engineer Website (http://iwaters.ose.state.nm.us:7001/iWATERS/wr_RegisServlet1) and USGS Database.

Shaded well information indicates well location not shown on Figure 2

^A = in acre feet per annum

^B = Interpolated from USGS Topographical Map

EXP = Exploration

STK = Livestock watering

PRO = Production

POL = Pollution Control Well

(quarters are 1=NW, 2=NE, 3=SW, 4=SE)

(quarters are biggest to smallest - X Y are in Feet - UTM are in Meters)

TABLE 2

Summary of Soil Sample Laboratory Analytical Results

Chevron USA - State A-26 Battery (Ref.# 200082)

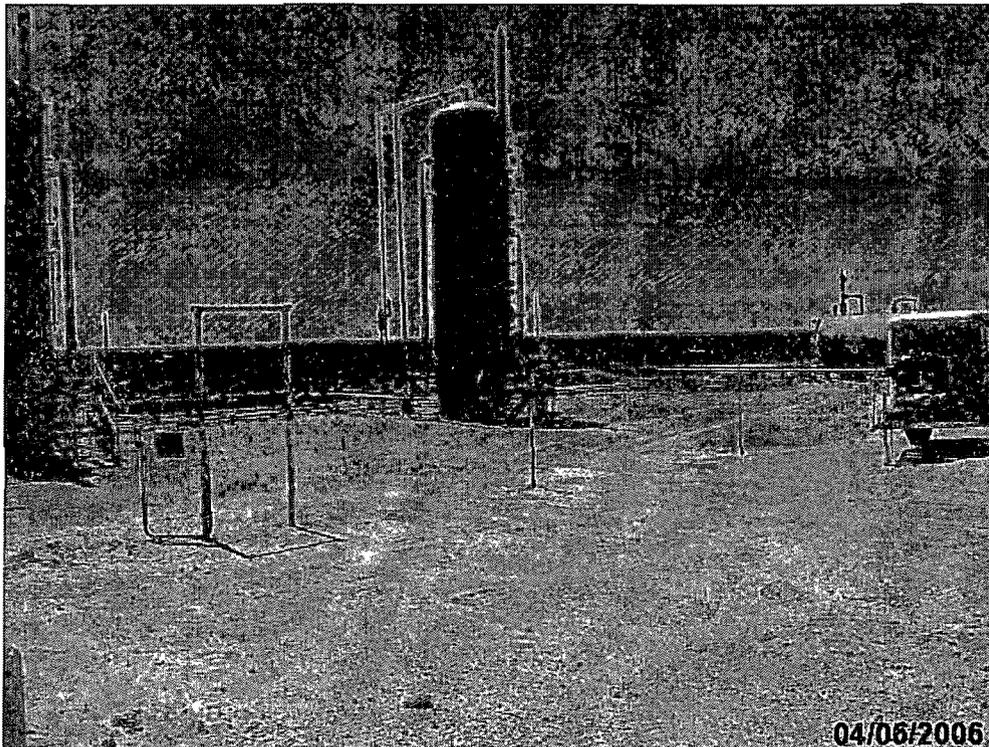
Sample I.D.	Depth (feet)	Soil Status	Sample Date	Field Analysis for Organic Vapors (mg/Kg)	Field Chloride Analysis (mg/Kg)	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Total Xylenes (mg/Kg)	Total BTEX (mg/Kg)	TPH (as gasoline) (mg/Kg)	TPH (as diesel) (mg/Kg)	Total TPH (mg/Kg)	Chloride (mg/Kg)
SB-1 (4.5'-5')	4.5-5	In Situ	06-Apr-06	0.0	400	<0.005	<0.005	<0.005	<0.015	<0.03	<10.0	<10.0	<20.0	496
SB-1 (9.5'-10')	9.5-10	In Situ	06-Apr-06	0.0	160	<0.005	<0.005	<0.005	<0.015	<0.03	<10.0	<10.0	<20.0	96
SB-1 (14.5'-15')	14.5-15	In Situ	06-Apr-06	0.0	160	<0.005	<0.005	<0.005	<0.015	<0.03	<10.0	<10.0	<20.0	64
SB-2 (4.5'-5')	4.5-5	In Situ	06-Apr-06	0.0	240	<0.005	<0.005	<0.005	<0.015	<0.03	<10.0	<10.0	<20.0	128
SB-2 (9.5'-10')	9.5-10	In Situ	06-Apr-06	0.0	160	<0.005	<0.005	<0.005	<0.015	<0.03	<10.0	<10.0	<20.0	16
SB-2 (14.5'-15')	14.5-15	In Situ	06-Apr-06	0.0	160	<0.005	<0.005	<0.005	<0.015	<0.03	<10.0	<10.0	<20.0	32
NMOCD Remedial Thresholds				100		10				50			5,000	250 ^A

ATTACHMENTS

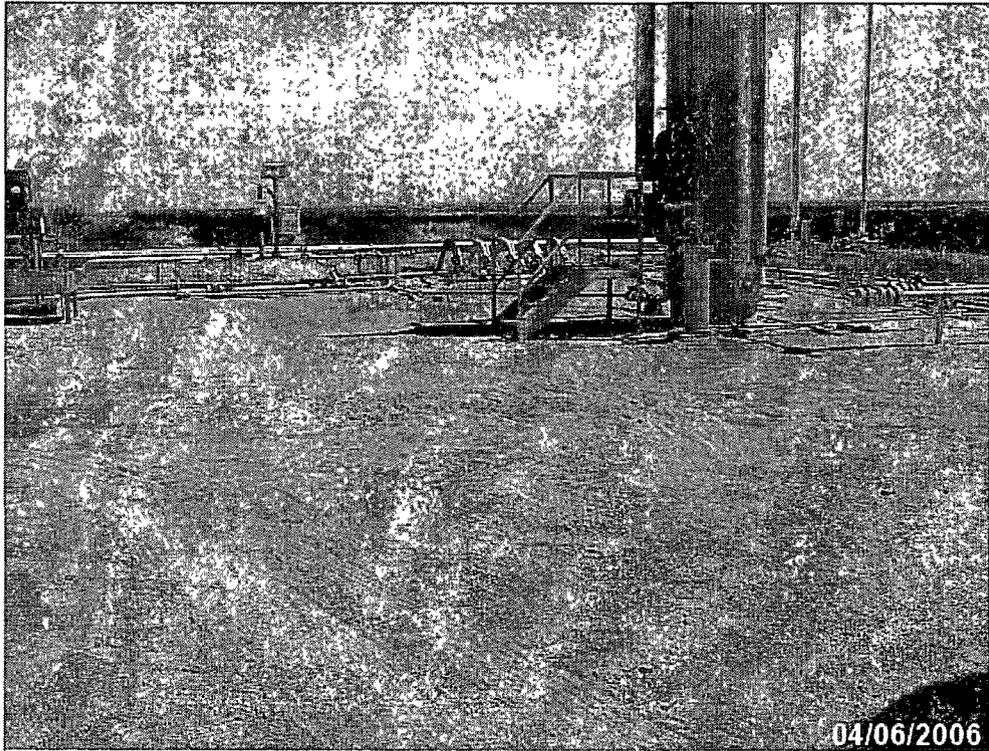
ATTACHMENT I
SITE PHOTOGRAPHS



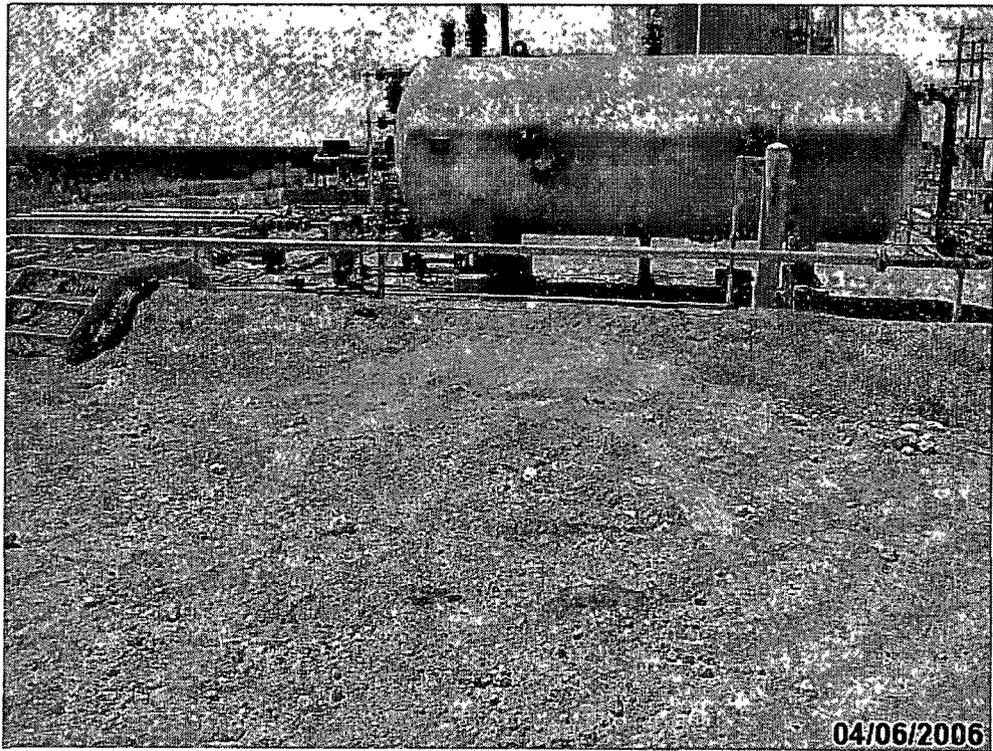
Photograph No. 1 – Lease Sign.



Photograph No. 2 – Tank Battery interior, caliche berms and heater treaters.



Photograph No. 3 – Interior of caliche bermed area.



Photograph No. 4 – Caliche berm, horizontal separator and tankage.



Photograph No. 5 – Excavation area and piping with earthen supports.



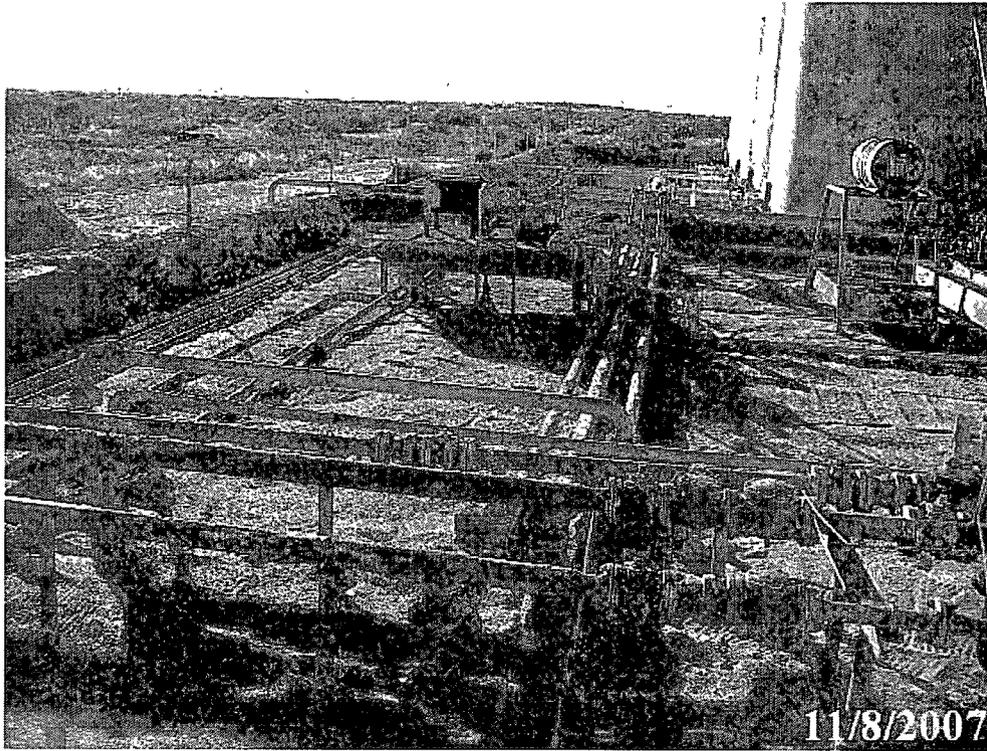
Photograph No. 6 – Excavation area showing piping, horizontal separator and earthen supports



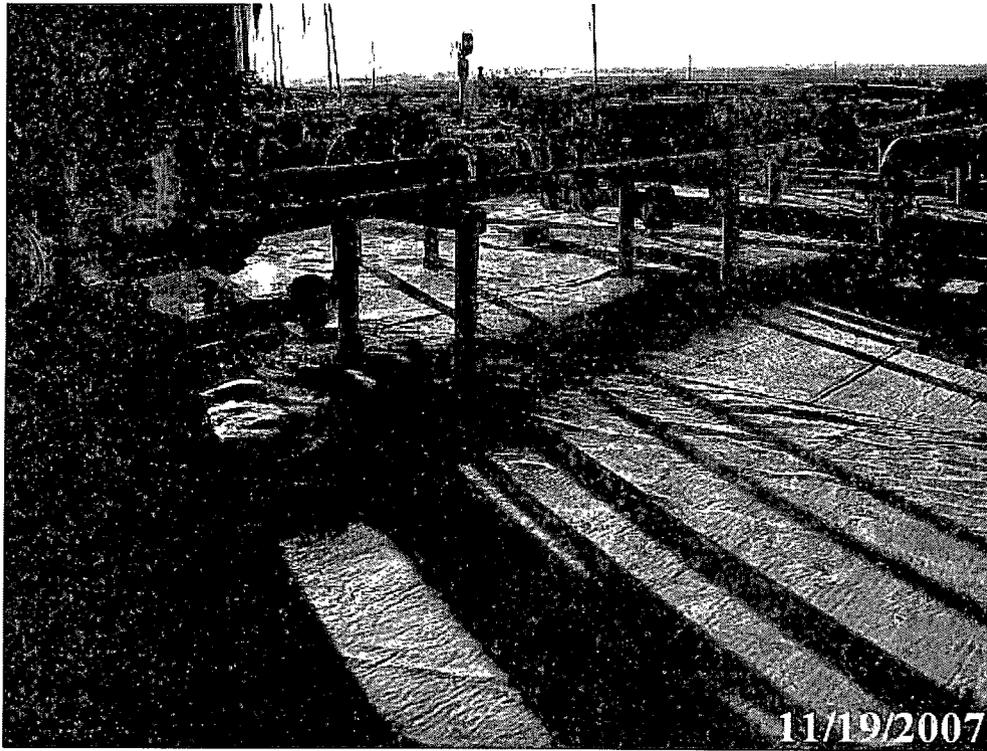
Photograph No. 7 – Excavation area and piping system



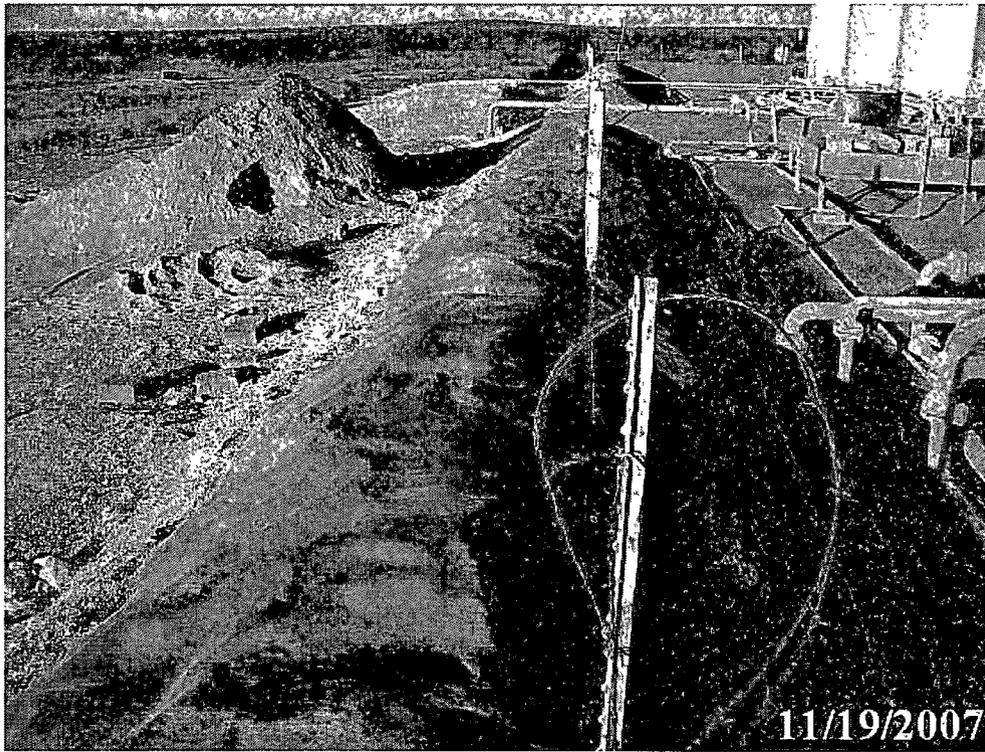
Photograph No. 8 – Remediated site showing graded caliche backfill material



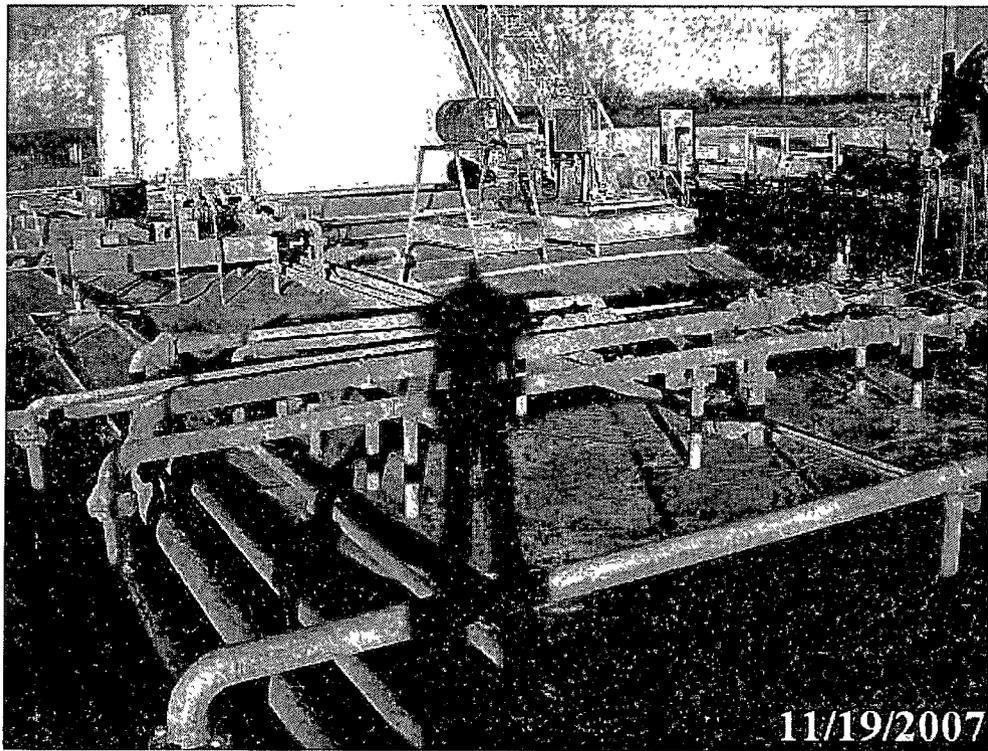
Photograph No. 9 – Remediated site showing graded caliche backfill material



Photograph No. 10 – Remediated site with liner.



Photograph No. 11 – Remediated site showing liner overlapping caliche berms.



Photograph No. 12 – Remediated site with liner.

ATTACHMENT II

LABORATORY ANALYTICAL RESULTS AND
CHAIN-OF CUSTODY FORM



ARDINAL LABORATORIES

PHONE (325) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79803

PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR ENVIRONMENTAL PLUS, INC.

ATTN: IAIN OLNESS
P.O. BOX 1558
EUNICE, NM 88231
FAX TO: (505) 394-2601

Receiving Date: 04/07/06
Reporting Date: 04/11/06
Project Owner: CHEVRON USA (200082)
Project Name: STATE A-26 BATTERY
Project Location: UL-L, SECT. 26, T 19 S, R 36 E

Sampling Date: 04/06/06
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: NF
Analyzed By: BC

LAB NO.	SAMPLE ID	GRO (C ₈ -C ₁₀) (mg/Kg)	DRO (>C ₁₀ -C ₂₆) (mg/Kg)	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)
ANALYSIS DATE:		04/07/06	04/07/06	04/10/06	04/10/06	04/10/06	04/10/06
H11004-1	SB-1 (4.5'-5')	<10.0	<10.0	<0.005	<0.005	<0.005	<0.015
H11004-2	SB-1 (9.5'-10')	<10.0	<10.0	<0.005	<0.005	<0.005	<0.015
H11004-3	SB-1 (14.5'-15')	<10.0	<10.0	<0.005	<0.005	<0.005	<0.015
H11004-4	SB-2 (4.5'-5')	<10.0	<10.0	<0.005	<0.005	<0.005	<0.015
H11004-5	SB-2 (9.5'-10')	<10.0	<10.0	<0.005	<0.005	<0.005	<0.015
H11004-6	SB-2 (14.5'-15')	<10.0	<10.0	<0.005	<0.005	<0.005	<0.015
Quality Control		762	771	0.097	0.094	0.091	0.293
True Value QC		800	800	0.100	0.100	0.100	0.300
% Recovery		99.1	96.4	97.4	93.7	91.0	97.8
Relative Percent Difference		4.3	1.5	5.5	3.8	2.5	7.9

METHODS: TPH GRO & DRO - EPA SW-846 8015 M; BTEX - SW-846 8260.

Burgess J. A. Cooke, Ph.D.

4/11/06
Date

H11004A

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise.



ARDINAL LABORATORIES

PHONE (325) 873-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

PHONE (505) 393-2326 • 101 E MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
ENVIRONMENTAL PLUS, INC.
ATTN: IAIN OLNESS
P.O. BOX 1558
EUNICE, NM 88231
FAX TO: (505) 394-2601

Receiving Date: 04/07/06
Reporting Date: 04/12/06
Project Owner: CHEVRON USA (200082)
Project Name: STATE A-26 BATTERY
Project Location: UL-L, SECT. 26, T 19 S, R 36 E

Sampling Date: 04/06/06
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: NF
Analyzed By: HM

LAB NUMBER	SAMPLE ID	SO ₄ (mg/Kg)	Cl (mg/Kg)
ANALYSIS DATE:		04/12/06	04/12/06
H11004-1	SB-1 (4.5'-5')	1600	496
H11004-2	SB-1 (9.5'-10')	150	96
H11004-3	SB-1 (14.5'-15')	72	64
H11004-4	SB-2 (4.5'-5')	115	128
H11004-5	SB-2 (9.5'-10')	356	16
H11004-6	SB-2 (14.5'-15')	846	32
Quality Control		24.5	500
True Value QC		25.0	500
% Recovery		97.9	100
Relative Percent Difference		9.8	0.0
METHODS: EPA 600/4-79-020		375.4	SM 4500 Cl ⁻ B

NOTE: Analyses performed on 1:4 w:v aqueous extracts.

Hope S. Moreno
Chemist

04-13-06
Date

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise.

Environmental Plus, Inc.

2100 Avenue O, Eunice, NM 88231
(505) 394-3481 FAX: (505) 394-2601

P.O. Box 1558, Eunice, NM 88231

Chain of Custody Form

LAB: Cardinal

Company Name		Environmental Plus, Inc.		 Attn: Larry Williams P.O. Box 1949 Eunice, NM 88231-1949																															
EPI Project Manager		Iain Olness																																	
Mailing Address		P.O. BOX 1558																																	
City, State, Zip		Eunice New Mexico 88231																																	
EPI Phone#/Fax#		505-394-3481 / 505-394-2601																																	
Client Company		Chevron USA																																	
Facility Name		State A-26 Battery																																	
Location		UL-L, Sect. 26, T 19 S, R 36 E																																	
Project Reference		200082																																	
EPI Sampler Name		George Blackburn																																	
LAB I.D.	SAMPLE I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX					PRESERV.			SAMPLING		BTEX 8021B	TPH 8015M	CHLORIDES (Cl)	SULFATES (SO ₄)	pH	TCLP	OTHER >>>	PAH														
				GROUND WATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER:	ACID/BASE	ICE/COOL	OTHER	DATE									TIME													
HND04-1	1 SB-1 (4.5'-5')	G	1			X					X		06-Apr-06	9:00	X	X	X	X																	
-2	2 SB-1 (9.5'-10')	G	1			X					X		06-Apr-06	9:25	X	X	X	X																	
-3	3 SB-1 (14.5'-15')	G	1			X					X		06-Apr-06	9:52	X	X	X	X																	
-4	4 SB-2 (4.5-5')	G	1			X					X		06-Apr-06	10:50	X	X	X	X																	
-5	5 SB-2 (9.5'-10')	G	1			X					X		06-Apr-06	11:06	X	X	X	X																	
-6	6 SB-2 (14.5'-15')	G	1			X					X		06-Apr-06	11:50	X	X	X	X																	
7																																			
8																																			
9																																			
10																																			

Sampler Relinquished:	Date	Received By:	E-mail results to: iolness@envplus.net
	Time		NOTES:
Relinquished by:	Date	Received By: (lab staff)	6 x BTEX x 60 = 360
<i>[Signature]</i>	4-2-06	<i>[Signature]</i>	6 x 8015 x 90 = 540
Delivered by:	Time	Sample Cool & Intact	6 x Cl soil x 25 = 150
	4:00	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	6 x SO ₄ x 20 = 120
		Checked By:	
		<i>[Signature]</i>	

ATTACHMENT III
SOIL BORING LOGS

Log Of Test Borings

(NOTE - Page 1 of 1)

ENVIRONMENTAL PLUS, INC.
CONSULTING AND
REMEDIAL CONSTRUCTION
EUNICE, NEW MEXICO
505-394-3481

Project Number: 20082

Project Name: State A #26 Battery

Location: UL-L, Section 26, Township 19 South, Range 36 East

Boring Number: SB-1

Surface Elevation: 3684-feet amsl

Time	Sample Type	Recovery (Inches)	Moisture	PID Readings (ppm)	Chloride Analysis (mg/Kg)	U.S.C.S. Symbol	Depth (feet)	Description
								Start Date: 4-05-06 Time: 0800 hrs Completion Date: 4-05-06 Time: 1015 hrs
0900	SS	6	dry	0	400		5	5' SOIL, brown
0925	SS	6	dry	0	160		10	
0952	SS	6	dry	0	160		15	15' SAND STONE, tan End of Soil Boring at 15' bgs
							20	
							25	
							30	

Water Level Measurements (feet)

Date	Time	Sample Depth	Casing Depth	Cave-in Depth	Water Level	Drilling Method
-	-	-	-	-	-	Straub
-	-	-	-	-	-	Backfill Method: Bentonite
-	-	-	-	-	-	Field Representative: GB

Log Of Test Borings

(NOTE - Page 1 of 1)

ENVIRONMENTAL PLUS, INC.
CONSULTING AND
REMEDIAL CONSTRUCTION
EUNICE, NEW MEXICO
505-394-3481

Project Number: 20082
Project Name: State A #26 Battery
Location: UL-L, Section 26, Township 19 South, Range 36 East
Boring Number: SB-2 Surface Elevation: 3684-feet amsl

Time	Sample Type	Recovery (inches)	Moisture	PID Readings (ppm)	Chloride Analysis (mg/Kg)	U.S.C.S. Symbol	Depth (feet)	Description
								Start Date: 4-06-06 Time: 1030 hrs Completion Date: 4-06-06 Time: 1245 hrs
1050	SS	6	dry	0	240		5	
1106	SS	6	dry	0	160		10	
1150	SS	6	dry	0	160		15	15' SAND STONE, tan End of Soil Boring at 15' bgs
							20	
							25	
							30	

Water Level Measurements (feet)						Drilling Method:
Date	Time	Sample Depth	Casing Depth	Cave-in Depth	Water Level	Straub
-	-	-	-	-	-	Backfill Method: Bentonite
-	-	-	-	-	-	Field Representative: GB

ATTACHMENT IV

INITIAL NMOCD FORM C-141 (3-10-06)

INITIAL NMOCD FORM C-141 (2-22-07)

FINAL NMOCD FORM C-141

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
Oil Conservation 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 – CHEVRONTEXACO	Contact – Danny Lovell
Address – P.O. Box 1949 Eunice NM 88231	Telephone No. – 505-394-1242 (office), (505) 390-0866 (cell)
Facility Name – State A #26 BTY	Facility Type – Production
Surface Owner – State of New Mexico	Mineral Owner – State of New Mexico
Lease No.	

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
L	26	19S	36E					Lea

Latitude _____ Longitude _____

NATURE OF RELEASE

Type of Release – Produced water	Volume of Release 15 BW	Volume Recovered – 0 BW
Source of Release – 2" PRV on Heater Treater	Date and Hour of Occurrence 3/7/06 @ ~ 11 30 p.m.	Date and Hour of Discovery 3/8/06 @ 1.00 am
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Pat Caperton	
By Whom? Larry Williams	Date and Hour 3/8/06 @ 5.30 p m	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully *

Describe Cause of Problem and Remedial Action Taken *
FWKO and Heater Treater domed out sending all fluids to gas sales. Sales line pressured up causing PRV on treater to pop off and release fluid

Describe Area Affected and Cleanup Action Taken * Fluid was contained within bermed area of 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

OIL CONSERVATION DIVISION	
Signature _____	Approved by District Supervisor
Printed Name. Danny Lovell	Approval Date. _____ Expiration Date. _____
Title Operations Rep	Conditions of Approval.
E-mail Address lovd@chevrontexaco.com	Attached <input type="checkbox"/>
Date 3/10/06 Phone. 505- 394-1242	

* 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
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with Rule 116 on back
side of form

Release Notification and Corrective Action

OPERATOR

Initial Report Final Report

Name of Company - Chevron USA Inc	Contact - Billy Anderson
Address - 2401 Ave O, Eunice NM 88231	Telephone No. - 505-394-1237
Facility Name - State A 26	Facility Type - Tank Battery
Surface Owner - State of New Mexico	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
L	26	19S	36E					LEA

Latitude _____ Longitude _____

26'

NATURE OF RELEASE

Type of Release - Produced water	Volume of Release 9 bbls	Volume Recovered - 8 bbls
Source of Release - water line between water knockout and water tank	Date and Hour of Occurrence 2/22/07 @ 9:15 am	Date and Hour of Discovery 2/22/07 @ 9:15 am
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Pat Caperton	
By Whom? Billy Anderson	Date and Hour	2/22/07 3:57 pm
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*

had a pinhole leak in line going from water knockout to water tank, shut down wells, picked up water,

Describe Area Affected and Cleanup Action Taken.*

Inside tank battery containment, picked up most of water

EPI IS DEEP AREA
AS PER BILLY - WILL
SUBMIT PLAN TO OGD

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 <i>Billy Anderson</i>	OIL CONSERVATION DIVISION	
Printed Name: Billy Anderson	Approved by District Supervisor <i>Pat Caperton</i>	
Title: HES Champion	Approval Date: 3-19-07	Expiration Date: _____
E-mail Address: BillyAnderson@Chevron.com	Conditions of Approval: _____	Attached <input type="checkbox"/>
Date: 2-27-07 Phone: 441-5438		

* Attach Additional Sheets If Necessary

facility - PACO 708026590
incident - PACO 708026682
application - PACO 708026772

RP#1221

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: Chevron USA Inc.	Contact: Billy Anderson
Address: P.O. Box 1949, Eunice, NM 88231	Telephone No.: (505) 394-1237
Facility Name: State A 26	Facility Type: Tank Battery

Surface Owner: State of New Mexico	Mineral Owner:	Lease No.:
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LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
L	26	19S	36E					Lea

Latitude: N32° 37' 46.47" **Longitude:** W103° 19' 56.87"

NATURE OF RELEASE

Type of Release: Produced water	Volume of Release: 9 bbls	Volume Recovered: 8 bbls
Source of Release: Water line between water knockout and water tank	Date and Hour of Occurrence: 2/22/07 @ 9:15 am	Date and Hour of Discovery: 2/22/07 @ 9:15 am
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Pat Caperton	
By Whom? Billy Anderson	Date and Hour: 2/22/07 3:57 pm	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse: Not Applicable	

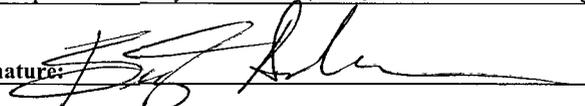
If a Watercourse was Impacted, Describe Fully.* Not Applicable

Depth to Groundwater: ~38 feet bgs

Describe Cause of Problem and Remedial Action Taken.* Had a pinhole leak in line going from water knockout to water tank, shut down wells, recovered approximately 8 bbls of produced water.

Describe Area Affected and Cleanup Action Taken.* From 15-29 October 2007 approximately 217 yds³ of visibly stained impacted material (i.e., slurry solution ratio composed of ±75% impacted soil:±25% water) were hydro-excavated to a maximum depth of two (2) feet bgs. During the hydro-excavation process, care was taken not to undermine soil stability under existing vessels and piping. Impacted soil was transported to Sundance Services, Inc., for disposal. The excavation was backfilled with approximately 190 yds³ of imported graded caliche. Backfilling was completed to original elevation with existing caliche berms repaired and raised in elevation. A caliche berm was added to the north side of the remediated area to provide closure on all four (4) sides. The interior and caliche berms were smoothly graded. A felt liner was placed over the bottom of the interior sector and overlapped the caliche berms. A plastic coating was sprayed over the felt liner to form an impervious barrier. Overlapping caliche berms was undertaken to reduce erosion effects caused by wind/ram and produce a totally enclosed catch basin.

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: Billy A. Anderson	Approved by District Supervisor:	
Title: HES Champion	Approval Date:	Expiration Date:
E-mail Address: BillyAnderson@chevron.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 1-24-08 Phone: (505) 394-1237		

* Attach Additional Sheets If Necessary