# **CLOSURE REPORT**

## **LOVINGTON PADDOCK #33**

**NMOCD 1RP#1225 COMPANY # 4323 EPI REF: 200059** 

UL-I (NE% of the SE%) of Section 36 T16S R36E

~5.8 MILES SOUTHEAST OF LOVINGTON

LEA COUNTY, NEW MEXICO

LATITUDE: N 32° 52' 33.37" LONGITUDE: W 103° 18' 02.44"

## **MARCH 2007**

PREPARED BY:

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

PREPARED FOR:





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Initial NMOCD Form C-141 Final NMOCD Form C-141



#### 1.0 PROJECT SYNOPSIS

#### Site Specific:

- ♦ *Company Name*: Chevron USA, Inc.
- ♦ Facility Name: Lovington Paddock #33
- ♦ Project Reference: 200059
- ♦ Company Contacts: Larry Williams
- ♦ Site Location: WGS84 N32° 52' 33.37"; W103° 18' 02.44"
- ♦ Legal Description: Unit Letter-I (NE¼ of the SE¼), Section 36, T16S, R36E
- General Description: Approximately 5.8-miles southeast of Lovington, New Mexico
- ♦ Elevation: 3,824-ft amsl
- ♦ *Land Ownership:* City of Lovington
- ♦ EPI Personnel: Project Consultant Jason Stegemoller

#### Release Specific:

- ♦ Product Released: Produced water
- ♦ Volume Released: Unknown Volume Recovered: Unknown
- ♦ Time of Occurrence: Unknown Time of Discovery: November 28, 2005
- ♦ Release Source: Corrosion of a flowline
- ♦ Initial Surface Area Affected: ~ 16,300 square feet

#### Remediation Specific:

- ♦ *Final Vertical extent of contamination:* Chloride impacted soil exists to 10-feet bgs near the point of release.
- Depth to Ground Water: Approximately 64-ft bgs
- ♦ Water wells within 1,000-ft: None
- ♦ Private domestic water sources within 200-ft: None
- ♦ Surface water bodies within 1,000-ft: None
- ♦ NMOCD Site Ranking Index: 10 points
- ♦ Remedial goals for Soil: TPH 1,000 mg/Kg; BTEX 50 mg/Kg; Benzene 10 mg/Kg; Chloride residuals may not be capable of impacting groundwater above NMWQCC groundwater standards of 250 mg/L.
- RCRA Waste Classification: Exempt
- Remediation Option Selected: a) Impacted soil from the release area was excavated and disposed off site by another contractor; b) backfilled excavation with clean topsoil and caliche; c) graded and contoured site area to allow natural drainage; d) disturbed area will be seeded with a blend preferred by the property owner.
- ♦ Disposal Facility: Unknown
- ♦ Volume disposed: Unknown
- Project Completion Date: March 9, 2006



#### 2.0 SITE AND RELEASE INFORMATION

- 2.1 Describe the land use and pertinent geographic features within 1,000 feet of the site.

  Land surrounding the area is rangeland and utilized for livestock grazing as well as oilfield operations.
- 2.2 Identify and describe the source or suspected source(s) of the release.

  Corrosion of a flowline.
- 2.3 What is the volume of the release? (if known): unknown barrels of: Produced water
- 2.4 What is the volume recovered? (if any): none barrels
- 2.5 When did the release occur? (if known): November 28, 2005

#### 2.6 Geological Description

The United States Geological Survey (USGS) Ground-Water Report 6, "Geology and Ground-water Conditions in Southern Lea County, New Mexico," A. Nicholson and A. Clebsch, 1961, describes the near surface geology of southern Lea County as "an intergrade of the Quaternary Alluvium (QA) sediments, i.e., fine to medium sand, with the mostly eroded Cenozoic Ogallala (CO) formation. Typically, the QA and CO formations in the area are capped by a thick interbed of caliche that was encountered between 5' and 10' bgs."

#### 2.7 Ecological Description

The area is typical of the Upper Chihuahuan Desert Biome consisting primarily of sandy soil covered with short semi-arid grasses, interspersed with Honey Mesquite and forbs. Mammals represented include Orrd's and Merriam's Kangaroo Rats, Deer Mouse, White Throated Wood Rat, Cottontail Rabbit, Black Tailed Jackrabbit, Mule Deer, Bobcat, Red Fox and Coyote. Reptiles, amphibians and birds are numerous and typical of the area. A survey of Listed, Threatened or Endangered species was not conducted.

#### 2.8 Area Groundwater

The unconfined groundwater aquifer at this site is projected to be ~64 feet (ft) bgs based on water depth data obtained from the New Mexico State Engineers Office and United States Geological Survey data base (reference *Table 1*).

#### 2.9 Area Water Wells

No area water wells exist within a 1,000-foot radius of the site (reference *Table 1* and *Figure 2*).

#### 2.10 Area Surface Water Features

No surface water features exist within a 1,000-foot radius of the site (reference Figure 2).



#### 3.0 NMOCD SITE RANKING

Contaminant delineation and remedial work done at this site indicate chemical parameters of the soil and physical parameters of the groundwater were characterized consistent with the characterization and remediation/abatement goals and objectives set forth in the following New Mexico Oil Conservation Division (NMOCD) publications:

- ♦ Guidelines for Remediation of Leaks, Spills and Releases (August 13, 1993)
- ♦ Unlined Surface Impoundment Closure Guidelines (February, 1993)
- ♦ Pit and Below-Grade Tank Guidelines (November, 2004)

Acceptable thresholds for contaminants/constituents of concern (CoC) were determined based on the NMOCD Ranking Criteria as follows:

- Depth to Groundwater (i.e., distance from the lower most acceptable concentration to groundwater);
- ♦ Wellhead Protection Area (i.e., distance from fresh water supply wells);
- ♦ Distance to Surface Water Body (i.e., horizontal distance to all down gradient surface water bodies).

Based on the proximity of the site to protectable area water wells, surface water bodies, and depth to groundwater from the lower most contamination, the NMOCD ranking score for the site is ten (10) points with the soil remedial goals highlighted in the Site Ranking table presented below:

1. Ground Water	2. Wellhead Pr	otection Area	3. Distance to Surface Water							
Depth to GW <50 feet: 20 points	If <1,000' fron	n water source, or; ivate domestic	<200 horizontal feet: 20 points							
Depth to GW 50 to 99 feet: 10 points	water source		200-1,000 horizontal feet: 10 points							
Depth to GW >100 fee 0 points		n water source, or; ivate domestic : <i>0 point</i> s	>1,000 horizontal feet: <i>0 points</i>							
Site Rank (1+2+3) = 10	) + 0 + 0 = 10 points		ий. У изиндательно под не просторы до тем трем по сторочищено в ден недоснойць и по и посновном изиностительного поченов поченов недосной до недосной							
Total Site Ranking Sco	ore and Acceptable R	demedial Goal Concer	ntrations							
Ranking Score	20 or >	10								
Benzene <sup>1</sup>	10 ppm	10 ppm	10 рут							
BTÉX <sup>1</sup>	50 ppm	50 ppm	вышения выполня выполн 50 ррт							
TPH	100 ppm	1,000 ppm	5,000 ppm							

A field soil vapor headspace measurement of 100 ppm can be substituted in lieu of laboratory analyses for benzene and BTEX.



<i>4.1</i>	Was soil excavated for off-site tre	atment o	or disposal? Xes N
	Date excavated: Unknown		
	Total volume removed: Unknown		
4.2	Indicated soil treatment type:		Disposal Land Treatement Composting/Biopiling Other (Unknown)
Name	and location of treatment/disposal	facility:	



#### 5.0 SAMPLING INFORMATION

# 5.1 Briefly describe the field screening methods used to distinguish contaminated from uncontaminated soil.

Organic Vapor Concentrations – A portion of each soil boring soil sample was inserted into a polyethylene bag to allow volatilization of organic vapors. After allowed to equilibrate to  $\sim 70^{\circ}$  F, the soil sample was analyzed for organic vapor concentrations utilizing to a MiniRae® Photo-ionization Detector (PID) equipped with a 10.6 electron volt (eV) lamp and calibrated for benzene response.

Chloride Concentrations – A La Motte Chloride Test Kit (titration method) was utilized for field chloride concentration analyses.

#### 5.2 Briefly describe the soil analytical sampling and handling procedures used.

Core soil samples from the soil borings were collected utilizing a trailer mounted auger.

Upon collection of each sample, a portion was immediately placed in a laboratory provided container, labeled and set on ice for transport to an independent laboratory for quantification of total petroleum hydrocarbons (TPH), benzene, toluene, ethylbenzene and total xylenes (BTEX constituents), chloride and sulfate concentrations.

#### 5.3 Discuss sample locations and provide rationale for their locations.

On November 30, 2005, two (2) soil borings (SB-1 and SB-2) were advanced throughout the release area to approximately 15-ft bgs to delineate the vertical extent of impacted soil. Soil samples were collected initially at 2-foot bgs, 5-foot bgs and then at 5-foot intervals thereafter to TD of each respective soil boring. The soil boring locations were chosen to provide the best representative examples of soil throughout the release area (reference *Figure 4*).



#### 6.0 ANALYTICAL RESULTS

6.1 Describe the vertical and horizontal extent and magnitude of soil contamination.

Laboratory analyses of the soil samples collected from SB-1 and SB-2 indicated benzene, BTEX and TPH concentrations were ND at or above laboratory MDL. Chloride concentrations ranged from 16 mg/Kg (SB-1 @ 15-feet bgs) to 816 mg/Kg (SB-1 @ 2-feet bgs) (reference *Table 2* and *Figure 4*).

6.2 Is surface soil contamination present at the site (i.e., soil in the uppermost two feet that is visibly stained, contaminated at greater than 10 ppm (PID) or hydrocarbon saturated)?

If yes, attach a site map identifying extent(s) of surface soil contamination.



#### 7.0 <u>DISCUSSION</u>

7.1 Discuss the risks associated with the remaining soil contamination:

Soil impacted above NMOCD remedial thresholds remain in situ at a depth of  $\sim$ 10 feet bgs. Benzene, TPH and BTEX constituent concentrations were ND at or above laboratory MDL. Laboratory analytical results indicated chloride impacted soil exists above the groundwater vadose zone. However, as chloride concentrations diminish with depth of soil and depth to groundwater is approximately sixty-four (64) feet bgs, contaminants remaining in situ may not be capable of impacting groundwater above NMWQCC groundwater standards of 250 mg/L.

7.2 Discuss the risks associated with the impacted groundwater:

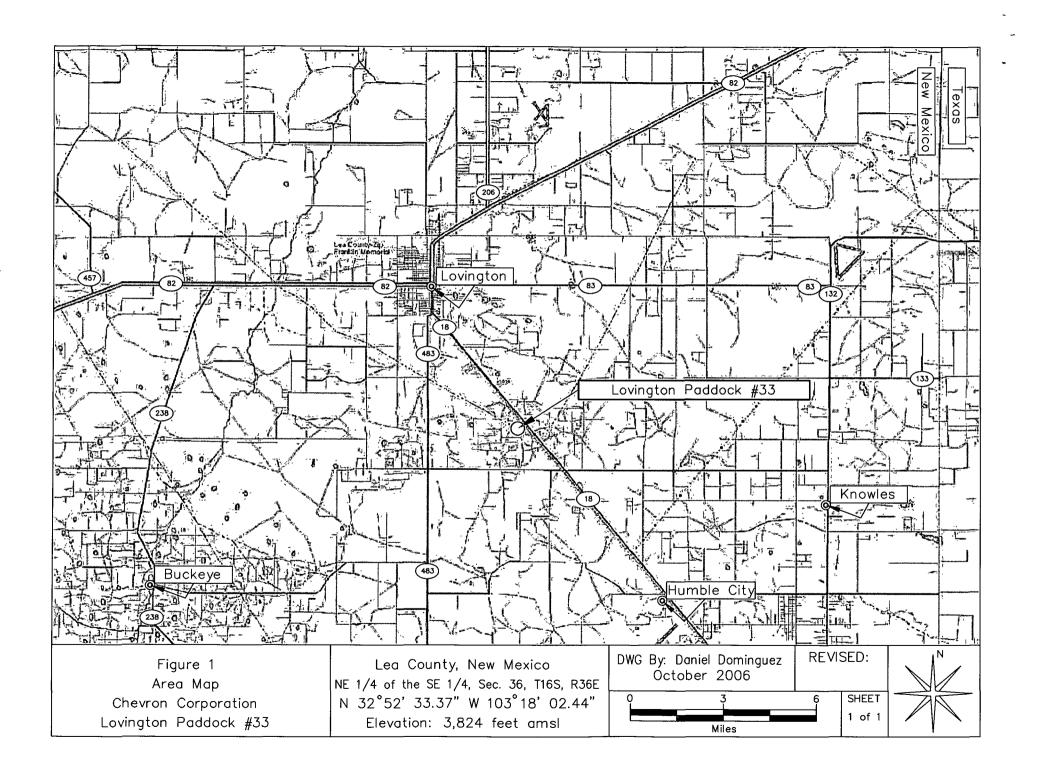
Groundwater is not impacted.

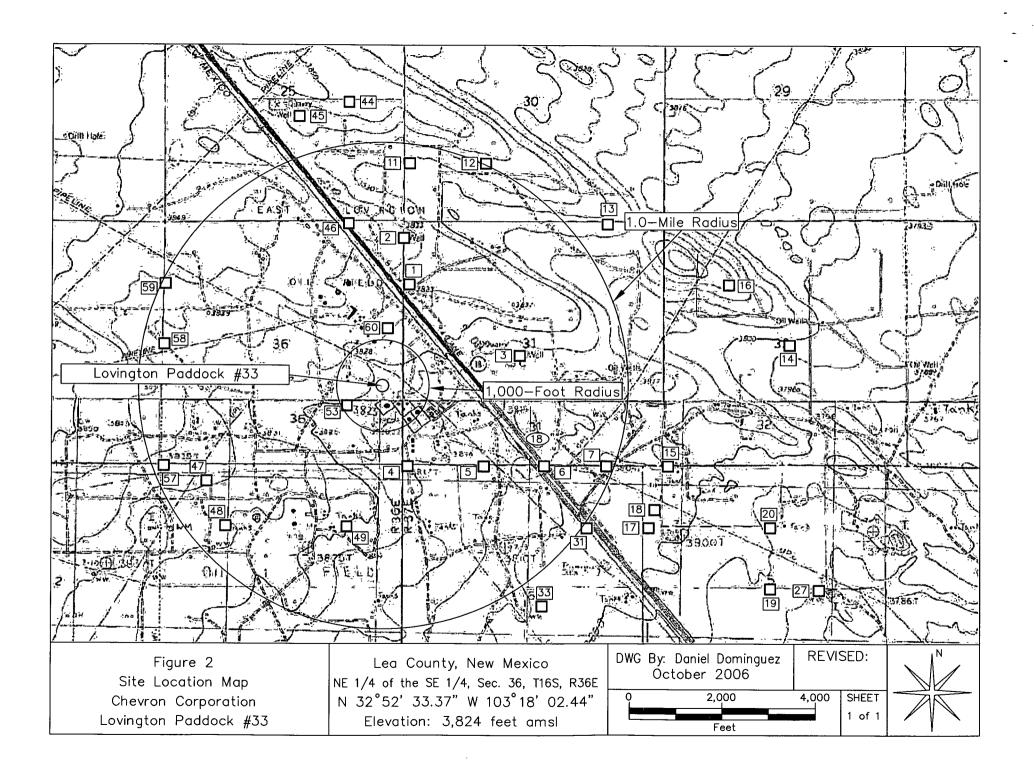
7.3 Discuss other concerns not mentioned above: Not applicable

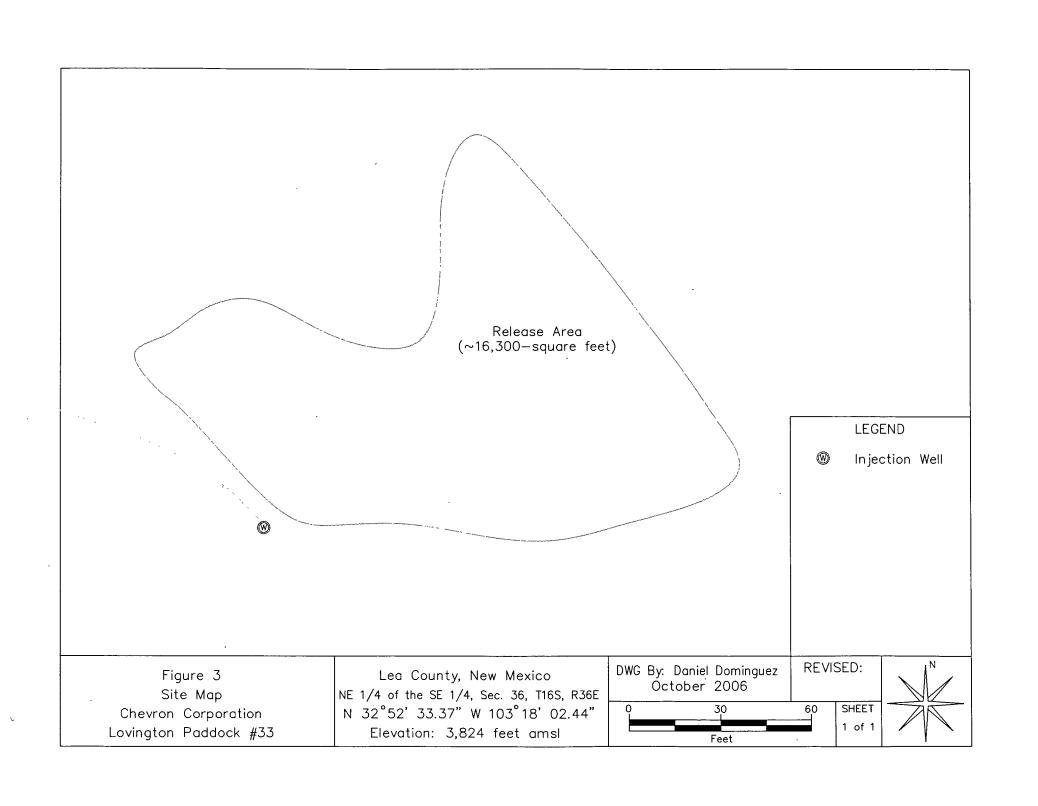


### 8.0 CONCLUSIONS AND RECOMMENDATIONS

8.1	Recommendation for the site:  Site Closure  Additional Groundwater Monitoring  Corrective Action
8.2	Base the recommendation above on <u>Guidelines for Remediation of Leaks, Spills and Releases (August 13, 1993)</u> . Describe below how you applied the policy to support your recommendation. If closure is recommended, please summarize significant site investigative events and describe how site specific risk issues have been adequately addressed or minimized to acceptable low risk levels.
	Impacted soils were excavated and transported for disposal by another contractor. The excavation was backfilled with caliche around the well head to rebuild the well pad. The remaining excavation was backfilled with topsoil, contoured for natural drainage and will be seeded with a blend preferred by the property owner.
8.3	If additional groundwater monitoring is recommended, indicate the proposed monitoring schedule and frequency. Conduct quarterly monitoring until the NMOCD responds to this report.
	Not Applicable
8.4	If corrective action is recommended, provide a conceptual approach.
	Not applicable







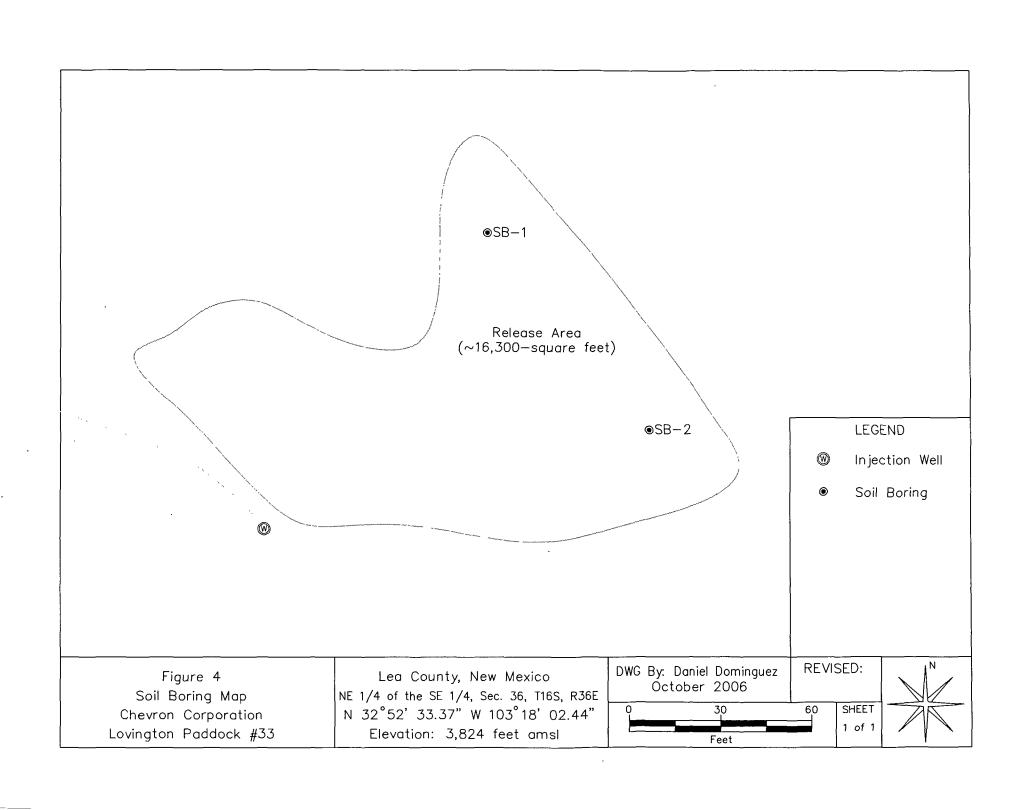


TABLE 1
WELL INFORMATION REPORT\*

#### Chevron USA - Lovington Paddock #33 (Ref #200059)

Map Number	Well Number	Direction		Use	Twsp	Rng		Sec (	qqq	1	Latitude	Longitude	Date Measured	Depth to Water (ft bgs)
53	L 01350 APPRO	3	PARKER DRILLING CO.	PRO	16S	36E	36	4	2	N	32° 52' 29 34"	W 103° 18' 11 51"	12-Jan-52	55
56	L 01438 APPRO	0	SKELLY OIL CO	PRO	16S	36E	36	4	3	N	32° 52' 16 34"	W 103° 18' 27.14"	08-May-52	45
57	L 01557 APPRO	3	WARREN BRADSHAW	PRO	16S	36E	36	3	3	4 N	32° 52' 16 39"	W 103° 18' 58 25"	26-Aug-52	45
31	L 01567	3	MAGNOLIA PETROLEUM COMPANY	PRO	16S	36E	36		Ì	N	32° 52′ 16 39″	W 103° 18' 58 25"		40
58	L 04058 (EXPLORE)	0	CITY OF LOVINGTON	MUN	16S	36E	36	1	3	2 N	1 32° 52′ 42 43″	W 103°18' 58.08"		
59	L 04058 S-25				16S	36E	36	1	4	2 N	32° 52' 55 45"	W 103° 18' 58"	13-Apr-00	88
60	L 04058 S26				16S	36E	36	2	4				29-Oct-05	88
44	L 02313	3	H T MONTIETH	STK	16S	36E	25	2	4	N	32° 53' 34 52"	W 103° 18' 11.18"		
45	USGS # 9				16S	36E	25	3	2	2	-		01-Apr-81	65 38
46	L 02300	3	MAKIN DRILLING COMPANY	PRO	168	36E	25	4	4	4 N	32° 53' 8 46"	W 103° 18' 11 27"		
47	USGS # 10				17S	36E	1	1	1	2			01-May-92	83
48	L 01584	3	LEE DRILLING CO	PRO	17S	36E	1	1	2	N	1 32° 52' 3 36"	W 103° 18' 42 66"	29-Sep-52	48
49	L 02508	97	GPM GAS CORPORATION	IND	17S	36E	l I	2	2	2 N	I 32° 52' 3.26"	W 103° 18' 11 56"		
1	L 02041	3	THE TEXAS COMPANY	PRO	16S	37E	31	1	1	N	I 32° 52' 55 27"	W 103° 17' 55 8"	04-Mar-53	50
2	USGS # 1				16S	37E	31	1	1	1			17-Mar-76	70 94
3	USGS # 2				16S	37E	31	3	2	2			17-Mar-76	61 93
4	L 02561	3	SKELLY OIL CO	DOM	16S	37E	31	3	3	3 N	1 32° 52′ 16 29″	W 103° 17' 56 04"	03-Mar-54	50
4	L 01220 APPRO	3	J R SHARP DRILLING CO	PRO	16S	37E	31	3	3	N	I 32° 52' 16 29"	W 103° 17' 56 04"	18-Sep-51	55
5	L 10652	3	BOC GASES	SAN	16S	37E	31	3	4	4 N	1 32° 52' 16 3"	W 103° 17' 36 89"	10-Apr-97	72
6	L 01435 APPRO	3	SHARP DRILLING CO	PRO	16S	37E	31	4	3	3 N	1 32° 52' 16 31"	W 103° 17' 21 37"		1
7	L 02078	3	SHARP DRILLING CO	PRO	16S	37E	31	4	4	N	! 32° 52' 16 32"	W 103° 17' 5 86"	25-Mar-53	50
10	L 02619	3	GULF OIL CORPORATION	PRO	16S	37E	29	1	2	3 N	I 32° 53' 47 24"	W 103° 16' 34 47"	06-Aug-54	44
11	L 02595	3	MORAN DRILLING CO	STK	16S	37E	30	3	1	3 N	I 32° 53' 21 24"	W 103° 17' 55 68"	15-Jul-54	48
12	L 05898	0	ROBINSON BROTHERS DRILLING CO	PRO	16S	37E	30	3	2	3 N	I 32° 53' 21 26"	W 103° 17' 36.36"	01-Apr-66	60
13	L 05735	0	CACTUS DRILLING COMPANY	PRO	168	37E	30	4	4	N	I 32° 53' 8 28"	W 103° 17' 5 47"	20-Aug-65	46
14	L 02236	3	PARKER DRILLING CO	PRO	16S	37E	32	2	3	N	32° 52' 42 28"	W 103° 16' 19 26"		
15	L 02487	3	LEE DRILLING CO.	PRO	16S	37E	32	3	3	N	32° 52' 16 32"	W 103° 16' 50 16"	07-Fcb-54	35
13	L 05516	0	CACTUS DRILLING COMPANY	PRO	16S	37E	32			N	I 32° 52' 16 32"	W 103° 16' 50 16"	01-Jan-65	45
16	L 05516 (1) EXP	0	TEXACO PRODUCING INC	PRO	16S	37E	32	1	2	3 N	32° 52' 55 27"	W 103° 16' 34 59'	į.	
17	L 01107 APPRO	3	PARKER DRILLING CO	PRO	17S	37E	5	1	1	1 N	1 32° 52' 3 13'	W 103° 16' 55 01"	16-Apr-51	38
1 /	L 01398 APPRO	3	PARKER DRILLING CO	PRO	17S	37E	5	1	1	N	32° 52' 3 13"	W 103° 16' 55 01"	14-Mar-52	50
18	USGS # 5				17S	37E	5	1	3	3			05-Jan-83	53 25
19	L 11225	0	CHESAPEAKE OPERATING	· PRO	17S	37E	5	2	3	4 N	I 32°51' 49 94"	W 103° 16' 24.04"	10-Jul-01	70
20	L 01288 APPRO	3	PARKER DRILLING CO	PRO	17S	37E	5	2	1	I N	I 32° 52′ 3 15″	W 103° 16' 24 09"	28-Oct-51	40
27	USGS # 7				17S	37E	5	4	1	2			19-Jan-96	57 65
31	L 01604 APPRO	3	SKELLY OIL CO	PRO	17S	37E	6	2	2	1 N	I 32° 52' 3.15"	W 103° 17' 10.53"	27-Oct-52	
33	USGS # 8			<u> </u>	17S	37E	6	4	1				31-Jan-91	61.64
37	L 00449 S 2				17S	37E	6	4		-	=			

TABLE 1
WELL INFORMATION REPORT\*

#### Chevron USA - Lovington Paddock #33 (Ref #200059)

Map Number	Well Number	Diversion	Owner	Use	Twsp	Rng		Sec q	1 <b>q</b> q		Latitude	Longitude	Date Measured	Depth to Water (tt bgs)
8	USGS # 3	4026426		1271	16S	37E	29	£1.	11.7	4.		FREE INTO E	21-Feb-91	49:16
9 2	USGS#4			997 J-C)24	>16S≨	∮37E	29	37,2%	<b>%2</b> %	₹2%	35 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		%17-Mar-76%	34.39
21	L 02549	210.6	KYLE HAHN	≋∝IRR:	17S	37E	£5.,	₃3.	413	£ 15	N/32% 511, 36.93%	W.103°17/10.57		\$40-550 E.
1800 1 4 F 1874	L 02784	\$45 <b>3</b> 65 65	FORRESTER & CARR DRIVERS	PRO	≥ 17 <b>S</b> );4	37E	1.52	1/3%	4 <b>3</b> 5	.1	N 32° 51' 23.84"	W 103°16' 54.96"	17-Feb-55	% ≲ 60 - చ
	L 09552	\$\$\frac{1}{2}.\frac{1}{2}.	IVAN WHITE	∴DOM <i>∄</i>	17S./	√37E	₹5,	<b>33</b> ₹	32 E	Sarah.	N/32° 51' 23:84"	W 103° 16' 54.96"	<b>∅02-Júl-85</b> ∅	65
22	L 09581	<b>建筑30. 个学</b>	JOHN PARKER	<b>DOM</b> ■	517S <sup>©</sup>	37E	°′5	<i>2</i> ∙3⊅	3 1 2	855	N 32%51 23.84" 💸	W-103° 16'-54,96"/	≥ 12-Nov-84	<b>经人70</b> 套条
	建约10015次分类。在影像影	<b>38</b> 7 33 15 15	MARIO SANDOVAL	DOM:	€17S≩	₹37E å	₹5%	4.3	يْ يَدُكُ مُ	12/2	N 32% 51' 23.84%	W/103° 16/54.96"	05-Aug-88	<b>学》70</b> 公司
	L×09677	\$35.335xx	ALVA M & ILA MERLE SELMAN	DOM'	317S}	≲37E≥	5	,/3₹.	41	H. 17	N-32° 51: 23.84"	W 103° 16' 54.96"	07-May-85≸	68 %
23	L 09649	374 3.75 B	P'M SEWALL	¿DOM .	<b>₹17S</b>	37E €	£,5 \	-3€	<b>11</b> 9	75.F. 4.	N 32° 51¦36.93".	W 103° 16'-54.98"	18-Jun-85	65°
	L=10143	1. 5 3 X 1 2 3	WILLIAM T. LEE	<b></b>	17S	₹37E.	₹5°	્રે43 ્	`.2~	62.7	N 32° 51' 36.88"	W.103°16'-39.49"	26-Aug-90	12.2455.QA
24	L 10324	W (\$35 25	SANDOVAL MARIO M	DOM	₹17S≸	37E	£5,;	3.3	<b>≈2</b> %	~2ŷ	N 32° 51′ 36.88″	W 1039 16' 39.49"	29-Apr-93	19705E
	L 09719	AMA 300 400	WILLIAM T & JO ANN	DOM	%17S*	,37E∮	25%	ું 3€.	2	84.	N:32°-51!:36:88	W 103%16' 39:49"	% 09-Jul-85	70%
25	L 10894	2503535	JOHN DAVIS	DOM -	∂°17Sặ	3.7E	455€	<i>≨</i> 3. <sup>*</sup>	4 3	3/8	N 32° 51′ 23 76″ 🦓	W 103° 16' 39.46".	≈09-Sep-98	45.76° G
\$\frac{45}{2} \times	L 07611	37 July 37 July 3	JACK-E RUGGS	SAN	∂/178	37E	£5%	<b>73</b>	44:	ું જ અ	N 32 51 23 76	W 103° 16' 39.46"	23-Sep-76	60
26	USGS#6	\$600 day		444,364	~17S	37E	5.	13:	441	4.			26-Jan-96	∑ §56.73 ∴
Z-€28\$ E-	L 11644	3. 3. 3. S	PATRICK WHITMAN	DOM .	€17S⊋	37E	<b>75</b>	24	313	<b>[13</b>	N/32%51136.82%	W.103°-16'-24"	08-Jun-04	61
294 %	L 09581 CLW		material and the letter of the control of the contr	8.34%	%17S≨	37E	155	4	235	§1.0	N,32°:51/23.69"	W.103°16'-23.95" &		14.00 m
€ 30.4%	1年09365年3年	25000	DAVID V. ROUECHE	DOM.	17S	37E	5	4:	<b>34</b> 3	. 3≪	N 329 51223.61%	W:103%16'-8:45" : #/	31°Oct-83»	64
38.86	»L 102474	##7.3.XX	LEE DRILLING CO. A SALE STATE OF THE SALE	PRO	17S	≪37E €	6	3.	\$ 13;	رر تدري	N 32%51537-041565	W-103° 17':10.55", 6	14-Jan-54	1.40
32	L 02474 APPRO	3/36/1/4/6		2006	.17S	*37E	6	335	212	11/4	N/32° 51' 37.04"	W:103° 17210:55," 2 2	14-Jan-54	4000
<b>1</b> €9°34±%±	15 00449	442.8	J. LYNN WALKER	IRR	·178%	337E -	<b>6</b>	14%	1-27	<b>%1</b>	N 32° 51' 37"	W[103%17]-25.99	Continue Bu	<b>建筑建设</b>
35 35	L 00449 EXPLORE	PETUS		& Buch	17S	37E	6	<b>4</b>	5 4	7 8 2	N 32° 51' 23.92'//	W-103° 17' 25.96"	11-May-05	21185°
36	L 00449 EXPLORE 2	#41.18/a/12.		14476	~17S	-37E <sup>2</sup>	. 6	243	<b>⇒2</b> 13	],1°,	N 32° 51' 36.97'	W 103° 17' 10.48"	20-May-05	<b>%101</b>
± 538 ° £	L 02194 APPRO	<b>36.3</b> 3 3 3	EXPLORATION DRILLING AND	参 PRO	J'17S';	37E	<b>∂</b> 6	34.	12.	200	N 32° 51' 23.92"	W 103%17/10/54"	A SOLUTE	PATE A
<b>39</b> 50	[Like11773] ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) (	3-3-	J LYNN WALKER	> DOM	17S	-37E	6	2.4%	£2:	2.	N 32° 51 36 97"	W/103%17/10.78" %	29-May-06	13553778
40	L = 02507	3.54	WARREN & BRADSHAW EXPLORATION	* PRO	∕416S%	\$36E3	25	÷1%	-(1E	27.2	N 32°-53′-47;69"/ 🎉	-W-103° 18' 57.76" :	≥09-Mar-54	1. 1. 52 A 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1. 2.41 g 3	SLS 00338 ETÁL EXPL€	276.887	WINFRED L. STROOPE	.∻IRR <b></b>	316S	36E;	25	%1°.	. 2	4	N/32º/53':47.64" / 💖	W 103° 18' 42.22"	≶14-Mar-02 €	100
42	L 00338 & L 901 S	**************************************	DAIRY FARMERS OF AMERICA, INC.	: IRR	₹-16S s	- 36E	-25	*2.5	₫ľ.	-4.	N 32%54' 13 8" 🔗	W:103%18':26.67"	111214 800	76 5VGF
22-43°s s	L 00338 & L 901 S	281.1	DAIRY FARMERS OF AMERICA, INC.	IRR	€16S	36E	25	32×	SIE,	4,	N 32°53! 47.59"	W 103° 18' 26.68"	14349 3.61	现为人类。
参多50	L 02119 200 100 100 100 100 100 100 100 100 100	1281325 ~	AMERADA PETROLEUM CORPORATION	PRO :	217S	36E	1	3.	4.5	∮L;	N-32%51/24.05%	W.103° 18'42.56"	8818578 # 1	1.24.60
%%51°€3€	L' 02331	1 3 3 Pm	J.P. (BUM) GIBBONS INC.	PRO	17S	36E:	Z4 8	54	:4-	6.75	N 329 51' 23:99"	W/103º 18' 11:48"	02-Sep-53	W 248,55
52	L 02331 APPRO	3 35 35 2	CHARLES OF TOWN TO THE BUILDING	328.	∴17S	36E~	21%	242	137	- 33	N.32% 51! 24.02"	W 103° 18' 27.02" % 6	02-Sep-53	48
18.000	L 10633	1643.4	KENNETH IVAN GOFF	IRR	- 17S	36E	1.1%	4.	2	2:	N 32° 49' 39.48"	W-103° 18' 26.91"	19-Apr-01	· / 802 -
54	L210633 S	Str. January Barry		2501446	217S 3	36E	118	4	2.3	4"	N 32° 49' 39.48"	W 103° 18' 26.91"	30-Apr-01	80,
	L. 10633. S2	7,36,1800		1237	:%17S∰	36E	ál.	4	4	.2%	N 32º 49' 39.48"	W:103° 18' 26.91"	25-Apr-01	120s/3
23.242	L (10633/83	CONTRACT	KING TO STATE OF THE STATE OF T	374.83	17S	36E	1515	5.4°	4	4.	N 32° 51' 23 99"	W-103%18/11.48	10-May-01	≰Ö₹80 <i>€</i> ≉
55	L 10633 S4	Serajoritia		3.8	17S	36E	2 P	₹4?	4:	<b>\$1</b>	N 32° 51' 23.99"	W 103%18"11.48"	05-Jul-04	110

<sup>\* =</sup> Data obtained from the New Mexico Office of the State Engineer Website (http://waters.ose.state.nm.us "001/1WATERS wi\_RegisServlet1) and USGS Database. Shaded well information indicates well location not shown on Figure 2

A = in acre feet per annum

IND = Industrial SAN = 72-12-1 Sanitary in conjunction with a commercial usc

STK = 72-12-1 Livestock Watering MUN = Municipal - City or county supplied water

DOM = 72-12-1 Domestic one household IRR = Irrigation

PRO = 72-12-1 Prospoecting or development of natural resource

(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

<u>Summary of Soil Boring Soil Sample Field Analyses and Laboratory Analytical Results</u>

Chevron USA - Lovington Paddock #33 (EPI Ref. #200059)

Soil Boring	Depth (feet)	Soil Status	Sample Date	PID Reading (ppm)	Field Chloride (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)	TPH (mg/Kg)	Chloride (mg/L)
	2	In situ	30-Nov-05	1 5	560	<0 005	<0 005	< 0.005	< 0 015	< 0.030	<10 0	<10 0	<20 0	816
SB-1	5	In situ	30-Nov-05	0.7	480	<0 005	< 0.005	< 0.005	< 0.015	< 0.030	<10.0	<10.0	<20.0	752
3D-1	10	In situ	30-Nov-05	0.3	400	< 0.005	< 0.005	< 0.005	<0.015	<0 030	<10.0	<10 0	<20.0	373
	15	In situ	30-Nov-05	0 4	160	<0 005	< 0.005	<0.005	<0 015	<0 030	<10.0	<10 0	<20.0	16
	2	In situ	30-Nov-05	2.4	240	< 0.005	<0 005	< 0.005	<0.015	<0.030	<10.0	<10.0	<20.0	432
SB-2	5	In situ	30-Nov-05	2 3	400	< 0.005	<0 005	<0.3005	<0.015	< 0.030	<10 0	<10 0	<20 0	576
35-2	10	In situ	30-Nov-05	1 2	160	<0 005	<0 005	<0 005	< 0.015	<0 030	<10.0	<10.0	<20.0	16
	15	In situ	30-Nov-05	0.6	160	<0 005	< 0.005	<0.005	< 0.015	< 0.030	<10.0	<10 0	<20 0	16
N	MOCD R	emedial Thre	sholds	100		10				50			1,000	250 <sup>2</sup>

1

tolded values are in excess of NMOCD Remediation Threshold Goals

<sup>&</sup>lt;sup>1</sup> Estimated value concentration below Labatory Limits

<sup>··</sup> Not Analyzed

<sup>&</sup>lt;sup>2</sup> Chloride residuals may not be capable of impacting local groundwaterabove the NMWQCC Standard of 250 mg/L



Photo #1:Lease sign.

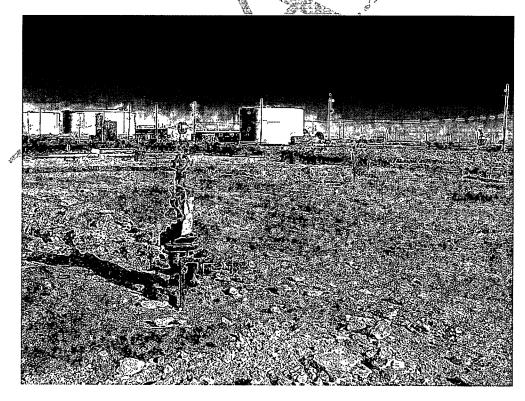


Photo #2: Release area, looking westerly.



Photo #3: Looking westerly at excavated release area.

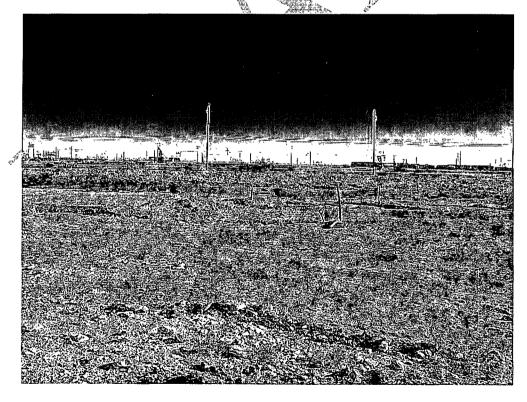


Photo #4: Looking easterly at excavated release area.

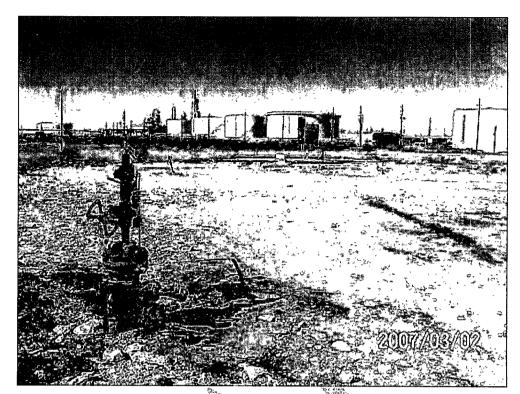


Photo: #5: Closed site

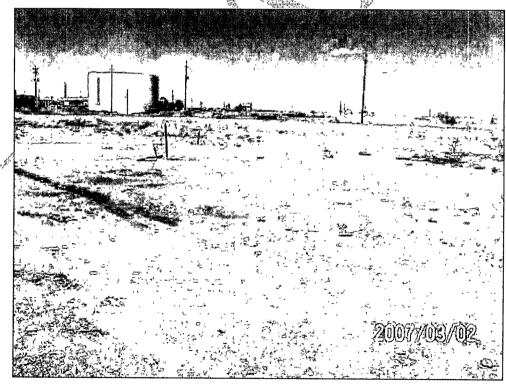


Photo #6: Closed site.



Photo #7: Closed site.



Photo #8: Closed site.



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: 12/05/05 Reporting Date: 12/08/05

Sampling Date: 11/30/05

Project Owner: CHEVRON USA (200059)

Sample Type: SOIL

Project Name: PADDOCK #33

Sample Condition: COOL & INTACT

Sample Received By: NF

Project Location: UL-I, SEC. 36, T 16 S, R 36 E

Analyzed By: HM

		CI	SO <sub>4</sub>
LAB NUMBER	SAMPLE ID	(mg/L)	(mg/L)

ANALYSIS D	ATE:	12/06/05	12/07/05
H10477-1	SB-1 (2')	816	118
H10477-2	SB-1 (5')	752	230
H10477-3	SB-1 (10')	272	163
H10477-4	SB-1 (15')	16	42
H10477-5	SB-2 (2')	432	52
H10477-6	SB-2 (5')	576	<1
H10477-7	SB-2 (10')	16	36
H10477-8	SB-2 (15')	16	4
Quality Contr	OI	1000	49.3
True Value Q		1000	50.0
% Recovery	n ph. colder or all handlestanderderderder An An An An Out-to day out-the to the An Indian An An Indian to An Indian	, 100	98.6
Relative Perc	ent Difference	0	0.7

METHODS: Cl: Std. Methods 4500-ClB; SO<sub>4</sub>: EPA 600 375.4

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



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: 12/05/05 Reporting Date: 12/09/05

Project Owner: CHEVRON USA (200059)

Project Name: PADDOCK #33

Project Location: UL-1, SEC. 36, T 16 S, R 36 E

Sampling Date: 11/30/05 Sample Type: SOIL

Sample Condition: COOL & INTACT

Sample Received By: NF

Analyzed By: BC

LAB NUMBE	R SAMPLE ID	GRO (C <sub>6</sub> -C <sub>10</sub> ) (mg/Kg)	DRO (>C <sub>10</sub> -C <sub>28</sub> ) (mg/Kg)	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHÝL BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)
ANALYSIS D	ATE:	12/07/05	12/07/05	12/06/05	12/06/05	12/06/05	12/06/05
H10477-1	SB-1 (2')	<10.0	<10.0	<0.005	<0.005	<0.005	<0.015
H10477-2	SB-1 (5')	<10.0	<10.0	<0.005	<0.005	<0.005	<0.015
H10477-3	SB-1 (10')	<10.0	<10.0	<0.005	<0.005	<0.005	<0.015
H10477-4	SB-1 (15')	<10.0	<10.0	<0.005	<0.005	<0.005	<0.015
H10477-5	SB-2 (2')	<10.0	<10.0	<0.005	<0.005	<0.005	<0.015
H10477-6	SB-2 (5')	<10.0	<10.0	<0.005	<0.005	<0.005	<0.015
H10477-7	SB-2 (10')	<10.0	<10.0	<0.005	<0.005	<0.005	<0.015
H10477-8	SB-2 (15')	<10.0	<10.0	<0.005	<0.005	<0.005	<0.015
Quality Contr	ol	790	814	0.090	0.094	0.094	0.286
True Value Q	C	800	800	0.100	0.100	0.100	0.300
% Recovery		98.8	102	90.1	93.5	94 2	95.3
Relative Perc	ent Difference	5.8	10	1.7	5.2	1.3	1.0

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

Burgess J. A. Cooke, Ph. D.

Date

# **Environmental Plus, Inc.**

## Chain of Custody Form

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

P.O. Box 1558, Eunice, NM 88231

	PAX: (505) 394-2601																									
Company Name Environmental Plus, Inc.								68-5 205		200	To S	į́ B	Illi	O				Α	NAI	<u>Y</u> S	IS F	₹EQ	UES	<b>J</b> eg		C., ( \$75.45
											, ,	.11	. I													]
Mailing Address	-											Щ		->												
City, State, Zip		ew Mexico										E														
EPI Phone#/Fax#		481 / 505-3	94-	260	1						***************************************		1	******												
Client Company	Chevron U												1,													
Facility Name	Paddock #33																									
Location		36, T 16 S	, R :	36 E							Att	n: la	ain (	Olness		İ						ı				
Project Reference														1558												
EPI Sampler Name George Blackburn														/I 88231		]										
			آ . ا				MA	TRIX			PR	ESE	RV.	SAMPLI	NG	Į										
LAB I.D.	LAB I.D. SAMPLE I.D.		(G)RAB OR (C)OMP.	# CONTAINERS	GROUND WATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	отнек:	ACID/BASE	ICE/COOL	отнек	DATE	TIME	BTEX 8021B	TPH 8015M	CHLORIDES (CI')	SULFATES (SO <sub>4</sub> ")	Hd	TCLP	OTHER >>>	РАН			
	SB-1 (2')		X	1			X	L				Х		30-Nov-05	14:10	X	Х	Х	X							
	SB-1 (5')		Х	1			Х					Х		30-Nov-05	14:15	Х	Х									
3	SB-1 (10')		X	1			Х					Х		30-Nov-05	14:20	X	Х		Х							
4	SB-1 (15')		X	1		_	Х					Х		30-Nov-05	14:30	X	Х		Х	_		<u> </u>			Щ	
	SB-2 (2')		X	1			Х				Щ	Х		30-Nov-05	14:40	X	Х		Х			<u> </u>	$oxed{oxed}$			
	SB-2 (5')		X	1		<u> </u>	X				Щ	Х		30-Nov-05	14:45	Х	Х	_	Х						Щ	
	SB-2 (10')		Х	1			X				Щ	Х		30-Nov-05	14:50	X	X	X	Х				$ldsymbol{ldsymbol{ldsymbol{eta}}}$	Щ	Ш	
8	\$B-2 (15')		X	1		<u> </u>	Х				Щ	Х		30-Nov-05	15:00	Х	X	X	Х	<u> </u>	lacksquare	_		Ш		
9			_	_		<u> </u>	<u> </u>				Щ					_	<u> </u>				<b> </b>		_	Щ	$\square$	
10			3 325.4 5	St. 6.				<u> </u>	<u> </u>		(1.16 × 1.79	s waste	0 000	67 /	1 2 60 96 2 90	20 0/ 11	1	- 167			<u> </u>	3 8 V	-6253 X C	3272	950 x 500	16.2
		Date			\$1%).											32G				\$6%,				<b>7</b>		
Sampler Relinquished:  Relinquished by:	Time				ab sta	iff)						ail ro ARKS	esults to: iolnes	ss@envplu	us.ne	et										
		Тіте			, (-		,																			
Delivered by		Sample Yes			act Io			Ch	ecked	Ву.		L														

#### Log Of Test Borings

(NOTE - Page 1 of 1)



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

Project Number: 200059

Project Name: Chevron - Lovington Paddock #33

Location: UL-I, Section 36, Township 16 South, Range 36 East

Boring Number: SB-1 Surfa

Surface Elevation: 3,823-feet amsl

			303 3.	77 3701			soring i	Number:	SB-1 Surface Elevation: 3,823-feet amsl
Time	Sample Type	Recovery (inches)	Moisture	PID Readings (ppm)	Chloride Analysis (mg/Kg)	U.S.C.S. Symbol	Depth (feet)		Start Date: 11-30-05 Time: 1400 hrs  Completion Date: 11-30-05 Time: 1435 hrs  Description
1410	22	12	dry	1.5	560		<u> -</u>		2' SOIL, rocky, brown
1415		12	dry	0.7	480		5 		5' CALICHE
1420	22	12	dry	.3	400		10		10' CALICHE/Sand mix
1430		12	dry	.4	160		15		15' SAND, light brown
									End of Soil Boring at 15' bgs
							25 		
							30		<del>-</del> 
Date	Wate				s (feet			rilling Met	hod: Straub
лате	Tim -	D€	mplė epth -	Casing Depth -	Cave-li Depth -	Le	vel -	ackfill Me	

Field Representative:

GB

#### Log Of Test Borings (NDTE - Page 1 of 1) Project Number: 200059 ENVIRONMENTAL PLUS, INC. Chevron - Lovington Paddock #33 Project Name: CONSULTING AND REMEDIAL CONSTRUCTION EUNICE, NEW MEXICO UL-I, Section 36, Township 16 South, Range 36 East Location: 505-394-3481 Boring Number: Surface Elevation: 3,823-feet amsl SB-5 PID Readings (ppm) Time: 1435 hrs Start Date: 11-30-05 Recovery (inches) Moisture Chloride Analysis (mg/Kg) Depth (feet) U.S.C.S. Symbol Time: <u>1630</u> hrs Completion Date: 11-30-05 Description 1440 22 12 2.4 240 dry 2' CALICHE/Rock 22 12 2.3 400 5' CALICHE/Rock 1445 dry 10 12 dry 1450 22 1,2 160 10' SAND/Caliche, brownish mix -15 1500 22 .6 12 dry 160 15' SAND, light brown End of Soil Boring at 15' bgs -20 25 30 Water Level Measurements (feet) Drilling Method: Straub Date Sample Casing Cave-in Water Depth Depth Depth Level Backfill Method: Bentonite Field Representative: GB



Incident Date:

Unknown

NMOCD Notified:

Unknown

Information and Metrics Site: Lovington Paddock #33 Assigned Site Reference :NMOCD 1RP#1225; EPI #200059 Company: Chevron Street Address: Mailing Address: P.O. Box 1949 City, State, Zip: Eunice, New Mexico 88231 Representative: Larry Williams Representative Telephone: Telephone: Fluid volume released (bbls): unknown Recovered (bbls): none >25 bbls: Notify NMOCD verbally within 24 hrs and submit form C-141 within 15 days. (Also applies to unauthorized releases >500 mcf Natural Gas) 5-25 bbls: Submit form C-141 within 15 days (Also applies to unauthorized releases of 50-500 mcf Natural Gas) Leak, Spill, or Pit (LSP) Name: Lovington Paddock #33 Source of contamination: Injection Well Land Owner, i.e., BLM, ST, Fee, Other: City of Lovington LSP Dimensions: Unknown **LSP Area:**  $\sim 16,300 \text{ ft}^2$ Location of Reference Point (RP): Location distance and direction from RP: **Latitude:** N 32° 52' 33.37" Longitude: W 103° 18' 02.44" Elevation above mean sea level: 3,824 feet **Feet from South Section Line:** Feet from East Section Line: Location- Unit or 1/41/4: NE1/4 of the SE1/4 Unit Letter: I **Location- Section: 36** Location- Township: 16 South Location- Range: 36 East Surface water body within 1000 'radius of site: none Domestic water wells within 1000' radius of site: none Agricultural water wells within 1000' radius of site: none Public water supply wells within 1000' radius of site: none Depth from land surface to groundwater (DG): ~64 feet Depth of contamination (DC): ~10 feet Depth to groundwater (DG – DC = DtGW):  $\sim$ 54 feet 1. Groundwater 2. Wellhead Protection Area 3. Distance to Surface Water Body If Depth to GW <50 feet: 20 points If <1000' from water source, or;<200' from <200 horizontal feet: 20 points If Depth to GW 50 to 99 feet: 10 points private domestic water source: 20 points 200-1000 horizontal feet: 10 points If >1000' from water source, or; >200' from If Depth to GW > 100 feet: 0 points >1000 horizontal feet: 0 points private domestic water source: 0 points Site Rank (1+2+3) = 10+0+0=10Total Site Ranking Score and Acceptable Concentrations Parameter >19 10-19 0-9 Benzene<sup>1</sup> 10 ppm 10 ppm 10 ppm BTEX1 50 ppm 50 ppm 50 ppm TPH 100 ppm 1,000 ppm 5,000 ppm

100 ppm field VOC headspace measurement may be substituted for lab analysis

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

Name of Company: Chevron

State of New Mexico
Energy Minerals and Natural Resources

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

**Contact:** Larry Williams

Form C-141 Revised October 10, 2003

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

Final Report

Initial Report

### **Release Notification and Corrective Action**

**OPERATOR** 

Address: P.				231		Telephone No.:					
Facility Name: Lovington Paddock #33					Facility Type	Facility Type: Injection well					
Surface Ov	vner: City	y of Loving	ton	Mineral O	wner: State of Ne	er: State of New Mexico API No.:					
				LOCATION	OF RELEASE						
Unit Letter I	Section 36	Township 16S	Range 36E	Feet from the	North/South Line						
	•	Lat	itude: <u>N</u>	32° 52' 33.37"	Longitude: W 10	)3° 18' 02.44"					
				NATURE (	OF RELEASE						
Type of Relea						Volume of Release: unknown Volume Recovered: none					
Source of Rel	ease: Inject	ion well			Date and Hou unknown	Date and Hour of Occurrence:  unknown  Date and Hour of Discover unknown					
Was Immedia	te Notice (		Yes 🗌	No 🗌 Not Requ		If YES, To Whom? unknown					
By Whom? ur	known				Date and Hou	Date and Hour: unknown					
Was a Watero	course Rea		Yes 🛛 1	No		If YES, Volume Impacting the Watercourse: Not Applicable					
fluid were recove off site by anothe <b>Describe Area</b> advanced and we	se of Problemed Approper contractor  a Affected ork continues	em and Remo ximately 16,300 and Cleanup d from 3/6/06 th	Action 7	t of surface area was a faken.* Initial Site of Based on laborate	nown amount of produce affected by the release In Assessment on the releasery analytical data taken	mpacted soil from the	ted by EPI on 11/s, most of the impa	excavated and disposed 28/05 Soil borings we cted soil in the bottom			
and will be seede	ed with a ble	nd preferred by	the propert	y owner	and caliche around the te to the best of my ki						
and regulation endanger publ operator of lia surface water,	s all operat ic health or bility shoul human hea	ors are requir r the environr d their operat lth or the envi	ed to reponent. The ions have ironment.	rt and/or file certa e acceptance of a failed to adequate	in release notification C-141 report by the N y investigate and rem CD acceptance of a C-	s and perform cor NMOCD marked a rediate contaminat	rective actions for as "Final Report ion that pose a t	or releases which ma " does not relieve the hreat to ground wate			
					<u>C</u>	OIL CONSERVATION DIVISION					
Signature:											
Printed Name: Larry Williams					Approved by Di	Approved by District Supervisor:					
Title: HES Ch	ampion				Approval Date:	Approval Date: Expiration Date:					
E-mail Addre	ss: larry.wi	lliams@chevr	on.com	<del></del>	Conditions of A	Conditions of Approval:  Attached					
Date:		Phone:									
Attach Add	itional SI	heets If Ne	cessarv		*****						

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 Revised October 10, 2003

Submit 2 Copies to appropriate
District Office in accordance

Form C-141

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

		Re	lease	Notification	an	d Correcti	ve Action				
OPERATOR Initial Report Final Report											
Name of Co	ompany:	Chevron				Contact: Larry Williams					
Address: P			<del></del>	3231		<b>Felephone No</b>		•			
Facility Na	me: Lovi	ngton Padd	ock #33		· ]	Facility Type: Injection well					
Surface Ov	vner: City	y of Loving	ton	Mineral O	wne	er: State of New Mexico API No.:					
LOCATION OF RELEASE											
Unit Letter	nit Letter   Section   Township   Range   Fee   36   16S   36E		Feet from the	North/South Line		Feet from the	East/West Li	ne County Lea			
Latitude: N 32° 52' 33.37" Longitude: W 103° 18' 02.44"											
NATURE OF RELEASE											
Type of Relea	se: produc	ed water				Volume of Release: unknown Volume Recovered: none					
Source of Rel						Date and Hou	r of Occurrence:	Date and I	Date and Hour of Discovery:		
Was Immedia	te Notice (	Given?				If YES, To Whom?					
		<u> </u>	Yes 🔲	No 🗌 Not Requ	ired	unknown					
By Whom? ur						Date and Hour: unknown					
Was a Water	course Rea		Yes 🛛 I	No		If YES, Volume Impacting the Watercourse: Not Applicable					
If a Watercou	rse was Im	pacted, Desc	ribe Fully	*.* Not Applicable							
		<u> </u>									
Depth to Groundwater: ~64 feet  Describe Cause of Problem and Remedial Action Taken.* An unknown amount of produced water was released when a flowline failed. Zero (0) barrels of fluid were recovered. Approximately 16,300 square feet of surface area was affected by the release. Impacted soil from the release area was excavated and disposed											
off site by anoth			square ree	t of surface area was a	arrecte	d by the release, in	npacted son from the	e reicase area was	excavated and disposed		
									8/05. Two (2) soil borings		
were advanced on 11/30/05. Based on laboratory analytical data taken from the soil borings, most of the impacted soil in the bottom of the excavation was removed. From 3/06/06 through 3/09/06, EPI backfilled the excavation with clean topsoil and caliche around the well head. The disturbed area was contoured for natural drainage and will be seeded with a blend preferred by the property owner.											
					te to t	he best of my kr	nowledge and und	erstand that pur	suant to NMOCD rules		
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:											
Printed Name: Larry Wılliams						Approved by District Supervisor:					
Title: HES Ch	ampion				A	Approval Date: 6.27.07 Expiration Date:					
E-mail Addre	E-mail Address: iarry.williams@chevron.com					Conditions of Approval:  Attached			Attached 🗌		
Date: Phone:											

<sup>\*</sup> Attach Additional Sheets If Necessary