CLOSURE REPORT

LOVINGTON SAN ANDRES UNIT #40 NMOCD 1RP #1228 EPI REF: 200068

UL-H (SE¼ OF THE NE¼) OF SECTION 1, T17S, R36E ~6 MILES SOUTHEAST OF LOVINGTON LEA COUNTY, NEW MEXICO LATITUDE: N 32° 51' 57.45" LONGITUDE: W 103° 18' 05.18"

MARCH 2007

PREPARED BY:

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

PREPARED FOR:



RP#1,223

Distribution List

Chevron USA – Lovington San Andres Unit #40

NMOCD 1RP #1228

EPI Ref. #200068

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Lovington San Andres Unit 440 200068

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STANDARD OF CARE

Site Closure Report Lovington San Andres Unit #40 NMOCD 1RP #1228 EPI Ref. #200068

The information provided in this report was collected consistent with the New Mexico Oil Conservation Division (NMOCD) *Guidelines for Remediation of Leaks, Spills and Releases* (August 13, 1993), the NMOCD *Unlined Surface Impoundment Closure Guidelines* (February, 1993) and Environmental Plus, Inc. (EPI) *Standard Operating Procedures and Quality Assurance/Quality Control Plan.* The conclusions are based on field observations and laboratory analytical reports as presented in the report. Recommendations follow NMOCD guidance and represent the professional opinions of EPI staff. These opinions were derived using currently accepted geologic, hydro-geologic and engineering practices at this time and location. The report was prepared or reviewed by a certified or registered professional with a background in engineering, environmental and/or natural sciences.

Prepared by:

Brandon Farrar Environmental Consultant

Reviewed by:

David P. Duncan Civil Engineer

5/9/07 Date

<u>5 | 09 | 07</u>

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1.0 **PROJECT SYNOPSIS**

Site Specific:

- Company Name: Chevron USA, Inc.
- Facility Name: Lovington San Andres Unit #40
- Project Reference: NMOCD Ref: 1RP #1228; EPI Ref: #200068
- Company Contacts: Larry Williams
- *Site Location:* WGS84 N32° 51' 57.45"; W103° 18' 05.18"
- Legal Description: Unit Letter-H (SE¼ of the NE¼), Section 1, T17S, R36E
- General Description: Approximately 6-miles southeast of Lovington, New Mexico
- *Elevation:* 3,820-ft amsl
- Land Ownership: City of Lovington, New Mexico
- EPI Personnel: Project Consultant –Jason Stegemoller

Release Specific:

- *Product Released:* Produced water
- Volume Released: ~20-bbls Volume Recovered: None
- *Time of Occurrence:* 12/11/05 @ 10:00AM *Time of Discovery:* 12/11/05 @ 11:30 AM
- *Release Source*: Polypropylene flow line developed a leak
- Initial Surface Area Affected: ~ 5,100-ft²

Remediation Specific:

- *Final Vertical extent of contamination:* Unknown
- Depth to Ground Water: ~ 56-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) Excavation and disposal of impacted soil were completed by an independent contractor; b) EPI advanced three (3) soil borings within the perimeter of the release area on 2/08/06; c) upon receipt of Soil Boring Soil Sample Laboratory Analytical Data confirming soil impacted above NMOCD remedial threshold goals were excavated, EPI backfilled the excavation with approximately 160 yds³ of clean top soil; d) entire disturbed area was contoured for natural drainage; and e) area will be seeded with a blend preferred by the City of Lovington, NM.
- Disposal Facility: Unknown (excavation completed by independent contractor)
- Volume disposed: Unknown (excavation completed by independent contractor)
- Project Completion Date: March 8, 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. Polypropylene flow line developed a leak
- 2.3 What is the volume of the release? (if known): 20 barrels of: Produced water
- 2.4 What is the volume recovered? (if any): <u>0</u> barrels
- 2.5 When did the release occur? (if known): <u>12/11/05</u>

2.6 Geological Description

<u>The United States Geological Survey (USGS) Ground-Water Report 6, "Geology and</u> <u>Ground-water Conditions in Southern Lea County, New Mexico," A. Nicholson and A.</u> <u>Clebsch, 1961</u>, 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 \sim 56 feet (ft) bgs based on average 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 water wells exist within a 1,000-foot radius of the site (reference 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 <u>NMOCD SITE RANKING</u>

TPH

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. Di	stance to Surface Water	
Depth to GW <50 20 points) feet:	lf <1,000' from	n water source, or; vate domestic	<200	horizontal feet: 20 points	
Depth to GW 50 t feet: <i>10 points</i>	to 99	water source:	20 points	200- 10 p	1,000 horizontal feet: oints	
Depth to GW >10 0 points)0 feet:	If >1,000' from >200' from pri water source:	n water source, or; vate domestic <i>0 points</i>	>1,0	00 horizontal feet: <i>0 points</i>	
Site Rank (1+2+3) = 10 + 0 + 0 = 10 points						
Total Site Rankin	ng Score ai	nd Acceptable R	emedial Goal Concer	ntration	S	
Ranking Score	:	20 or >	10		0	
Benzene ¹		0 ppm	10 ppm		10 ppm	
BTEX ¹		50 ppm	50 ppm	***********	50 ppm	

¹ A field soil vapor headspace measurement of 100 ppm can be substituted in lieu of laboratory analyses for benzene and BTEX.

1,000 ppm

100 ppm

5,000 ppm

4.0 EXCAVATED SOIL INFORMATION

4.1 Was soil excavated for off-site treatment or disposal? 🛛 🖾 Yes 🗌 No

Date excavated: Unknown (excavation completed by an independent contractor)

Total volume removed: Unknown (excavation completed by an independent contractor)

4.2 Indicated soil treatment type:

	Disposal
	Land Treatement
	Composting/Biopiling
\boxtimes	Other (Unknown)

Name and location of treatment/disposal facility:

Unknown (excavation completed by an independent contractor)

5.0 <u>SAMPLING INFORMATION</u>

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

Organic Vapor Concentrations – A portion of each soil sample was inserted into a selfsealing polyethylene bag to allow volatilization of organic vapors. After the samples equilibrated to $\sim 70^{\circ}$ F, they were analyzed for organic vapors utilizing 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.

Soil borings were advanced utilizing a truck-mounted auger with a hollow stem drill to collect soil samples. Soil samples were collected at 2-ft bgs, 5-ft bgs and at 5-foot intervals thereafter to TD of each respective soil boring.

Upon collection of each soil 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) and chloride concentrations.

5.3 Discuss sample locations and provide rationale for their locations.

On February 8, 2006 three (3) soil borings (SB-1, SB-2 and SB-3) were advanced to depths ranging from 6-ft bgs to 11-ft bgs within the perimeter of the release to delineate vertical extent of impacted soil (reference *Table 2* and *Appendix III, Soil Boring Logs*). Soil boring locations were chosen to provide the best representative examples of contaminated soil within the release area (reference *Figure 4*).

6.0 <u>ANALYTICAL RESULTS</u>

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

Laboratory analyses of the soil samples collected from SB-1 thru SB-3 indicated benzene, BTEX and TPH concentrations were ND at or above laboratory MDL. Chloride concentrations ranged from 9.9 mg/Kg (SB-2 @ 10-11-feet bgs) to 127 mg/Kg (SB-1 @ 10-11-feet bgs). All soil samples were below NMOCD remedial threshold goals of 250 mg/Kg for chloride concentrations (reference *Table 2*).

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)?

yes 🛛 no

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:

Benzene, TPH, BTEX and chloride constituent concentrations were ND at or above laboratory MDL. Based on depth to groundwater (~56 ft bgs), chloride contaminants remaining in the soil 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 <u>CONCLUSIONS AND RECOMMENDATIONS</u>

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</u> <u>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.

Excavation and disposal of impacted soil was completed by an independent contractor. On February 8, 2006 EPI advanced three (3) soil borings within the perimeter of the release area to depths ranging from 6-ft bgs to 11-ft bgs to delineate vertical extent of impacted soil. Upon receipt of Soil Boring Soil Sample Laboratory Analytical Data confirming soil impacted above NMOCD remedial threshold goals were excavated, EPI backfilled the excavation with approximately 160 yds³ of clean top-soil. Entire disturbed area was contoured for natural drainage and will be seeded with a blend preferred by the City of Lovington, New Mexico.

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

FIGURES









TABLES

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WELL INFORMATION REPORT*

Chevron USA - Lovington San Andres #40 - NMOCD 1RP #1228; EPI Ref: 200068

Ref. #	Well Number	Diversion ^A	Owner	lse	Twsn	Rng	Sec n n n	Latitude	Longitude	Date	Surface	Depth to
					J	9	F F F			Measured	Elevation ^B	Water
-	L 01584	3	LEE DRILLING CO.	PRO	17S	36E (01 12 1	N32° 52' 3.36"	W103° 18' 42.66"	29-Sep-52	3,830	48
2	L 02331	3	J.P. (BUM) GIBBONS INC.	PRO	17S	36E (01 44 1	N32° 51' 23.99"	W103° 18' 11.48"	02-Sep-53	3,810	48
4	L 10633 S3				17S	36E (01 444 1	N32° 51' 23.99"	W103° 18' 11.48"	10-May-01	3,810	80
5	L 02413	3	JACK CLAYTON	DOM	17S	36E (02 44 1	N32° 51' 24.10"	W103° 19' 13.63"	20-Nov-53	3,830	60
9	L 02426	3	THE OHIO OIL CO.	PRO	17S	36E (02 4 4 1	N32° 51' 24.10"	W103° 19' 13.63"	03-Dec-53	3,830	48
7	L 03676	3	JACK CAYTON	DOM	17S	36E (02 24 1	N32° 51' 50.31"	W103° 19' 13.71"	17-Sep-57	3,834	68
8	L 02205	3	HOWARD DRILLING CO. & HOLMES	PRO	17S	36E	12 2 2 1	N32° 51' 10.90"	W103° 18' 11.46"	01-May-53	3,811	45
6	L 06395 (E)	0	NCVAY DRILLING COMPANY	PRO	17S	36E	12 14 1	N32° 50' 57.89"	W103° 18' 42.48"	19-Oct-68	3,822	47
10	L 00449	442.8	J. LYNN WALKER	IRR	17S	37E (06 421	N32° 51' 37.00"	W103° 17' 25.99"	20-May-05	3,804	101
11	L 00449 EXPLORE				17S	37E (06 4 1	N32° 51' 23.92"	W103° 17' 25.96"	11-May-05	3,800	118
12	L 02474	3	LEE DRILLING CO.	PRO	17S	37E (06 3 1 1	N32° 51' 37.04"	W103° 17' 55.96"	14-Jan-54	3,813	40
13	L 01603 APPRO	3	SIMMONS DRILLING CO.	PRO	17S	37E (07 11 1	N32° 51' 10.87"	W103° 17' 55.91"	25-Oct-52	3,807	39
14	L 04197 APPRO EXP	3	E. D. JR. SHIPP	STK	17S	37E (07 24 1	N32° 50' 57.74"	W103° 17' 10.38"	07-Jul-59	3,796	45
15	L 04359 B	120	CHARLES WORDEN	DAI	17S	37E (07 121	N32° 51' 10.86"	W103° 17' 41.40"	10-Jan-04	3,804	75
16	L 04712	3	ELBERT D. SHIPP	DOM	17S	37E (07 212	N32° 51' 10.84"	W103° 17' 25.89"	11-Sep-61	3,800	75
17	L 10021	3	E. D. ASTON	DOM	17S	37E (07 2 2 2 1	N32° 51' 10.81"	W103° 17' 10.42"	19-Jul-88	3,797	70
18	L 11056	3	KENNETH GOFF	DOM	17S	37E (07 222 1	N32° 51' 10.81"	W103° 17' 10.42"	09-May-00	3,797	62
19	L 01466 APPRO	3	M. J. DRILLING CO. DELANEY	PRO	16S	36E	35 4 3 1	N32° 52' 16.43"	W103° 19' 29.35"	09-Jun-52	3,849	47
20	L 02987	3	ARROW DRILLING CO.	PRO	16S	36E [35 4 3 1	N32° 52' 16.43"	W103° 19' 29.35"	20-Sep-55	3,849	40
21	L 03173	3	MAKIN DRILLING COMPANY	PRO	16S	36E	35 24 1	N32° 52' 42.40"	W103° 19' 13.62"	15-Mar-56	3,850	55
22	L 01350 APPRO	3	PARKER DRILLING CO.	PRO	16S	36E	36 4 2 1	N32° 52' 29.34"	W103° 18' 11.51"	12-Jan-52	3,825	55
23	L 01371 APPRO	3	SHARP DRILLING CO.	PRO	16S	36E	36 434 1	N32° 52' 16.34"	W103° 18' 27.14"	23-Feb-52	3,832	45
24	L 01438 APPRO	0	SKELLY OIL CO.	PRO	16S	36E [36 4 3 1	N32° 52' 16.34"	W103° 18' 27.14"	08-May-52	3,832	45
25	L 01557 APPRO	3	WARREN BRADSHAW	PRO	16S	36E	36 334 1	N32° 52' 16.39"	W103° 18' 58.25"	26-Aug-52	3,839	40
26	L 04058 S-24				16S	36E	36 1 1 2 1	N32° 52' 55.45"	W103° 18' 58.00"	07-Apr-00	3,845	88
27	L 04058 S-25				16S	36E	36 1421	N32° 52' 42.41"	W103° 18' 42.53"	13-Apr-00	3,835	88

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WELL INFORMATION REPORT*

Chevron USA - Lovington San Andres #40 - NMOCD 1RP #1228; EPI Ref: 200068

	Owner	[]so	Twen	Bng Second	I atituda	Ionaituda	Date	Surface	Depth to	
		262	den 1	hhhod Suv	Tauluuc	רסעמוותם	Measured	Elevation ^B	Water	
3 J.R. SH/	ARP DRILLING CO.	PRO	16S	37E 31 33	N32° 52' 16.29"	W103° 17' 56.04"	18-Sep-51	3,815	55	
3 THE TE	EXAS COMPANY	PRO	16S	37E 31 11	N32° 52' 55.27"	W103° 17' 55.80"	04-Mar-53	3,833	50	
3 SHARP	DRILLING CO.	PRO	165	37E 31 44	N32° 52' 16.32"	W103° 17' 5.86"	25-Mar-53	3,804	50	
3 SKELLY	Y OIL CO.	DOM	16S	37E 31 333	N32° 52' 16.29"	W103° 17' 56.04"	03-Mar-54	3,815	50	
3 BOC GA	ASES	SAN	16S	37E 31 344	N32° 52' 16.30"	W103° 17' 36.89"	10-Apr-97	3,812	72	
			17S	36E 1 112			01-May-92		83	
			17S	36E 2 244			14-Jan-86		62.96	
			17S	36E 2 312			13-Jan-81		53.19	
			17S	36E 2 411			19-Jan-96		57.77	
			17S	36E 12 121			27-Feb-76		44.1	
			17S	36E 12 223			19-Jan-96		55.32	
			17S	36E 12 123			14-Jan-86		50.87	
			17S	37E 6 411			31-Jan-91		61.64	
			17S	37E 7 243			24-Jan-91		53.44	
			17S	37E 7 211			07-Jan-81		51.09	
			16S	36E 35 241			01-Feb-96		75.9	
			16S	37E 31 322			17-Mar-76		61.93	
ALL REALES	THE WAN GOE	IRB	17S	36E. 01 422	"85.95-94" SEN	W1032-18-26.91*	19-Apr-04	3,810	80	
			175	36E 12 3 2 3			14-Jan-86		45.93	
			16S	37E 31 111			17-Mar-76		70.94	

* = Data obtained from the New Mexico Office of the State Engineer Website (http://iwaters.ose.state.nn.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

PRO = Production

IRR = Irrigation DOM = Domestic one household STK = Livestock watering

DA1 = Dairy operation (quarters are 1=NW, 2=NE, 3=SW, 4=SE) (quarters are biggest to smallest - X Y are in Feet - UTM are in Meters)

Summary of Soil Boring Field Analyses and Laboratory Analytical Data **TABLE 2**

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Chevron USA

Lovington San Andres #40 - NMOCD 1RP #1228; EPI Ref: 200068

Sample I.D.	Depth (feet)	Soil Status	Sample Date	PID Field Analysis (ppm)	Field Chloride Analyses (mg/Kg)	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Total Xylenes (mg/Kg)	Total BTEX (mg/Kg)	Carbon Ranges C6-C12 (mg/Kg)	Carbon Ranges C12-C28 (mg/Kg)	Carbon Ranges C28-C35 (mg/Kg)	Total Hydrocarbons C6 C35 (mg/Kg)	Chloride (mg/Kg)
	2-3	In situ	08-Feb-06	0.5	160	<0.0250	<0.0250	<0.0250	<0.050	<0.125	<10.0	<10.0	<10.0	<30.0	42.2
SB-1	5-6	In situ	08-Feb-06	0.4	160	<0.0250	<0.0250	<0.0250	<0.050	<0.125	<10.0	<10.0	<10.0	<30.0	13.3
	10-11	ln situ	08-Feb-06	0.4	160	<0.0250	<0.0250	<0.0250	<0.050	<0.125	<10.0	<10.0	<10.0	<30.0	127
	2-3	In situ	08-Feb-06	0.3	240	<0.0250	<0.0250	<0.0250	<0.050	<0.125	<10.0	<10.0	<10.0	<30.0	126
SB-2	5-6	In situ	08-Feb-06	0.1	160	<0.0250	<0.0250	<0.0250	<0.050	<0.125	<10.0	<10.0	<10.0	<30.0	30.4
	10-11	In situ	08-Feb-06	0.1	160	<0.0250	<0.0250	<0.0250	<0.050	<0.125	<10.0	<10.0	<10.0	<30.0	6.6
CB-3	2-3	In situ	08-Feb-06	0.1	200	<0.0250	<0.0250	<0.0250	<0.050	<0.125	<10.0	<10.0	<10.0	<30.0	44.5
	5-6	In situ	08-Feb-06	0.1	160	<0.0250	<0.0250	<0.0250	<0.050	<0.125	<10.0	<10.0	<10.0	<30.0	37.5
VN	MOCD Reme	edial Threshold	Goals	100	-	10				50				5,000	250 ¹

BOLD values exceed NMOCD Remedial Threshold Goals
1 = Chloride and Sulphare residuals may not be capable of impacting groundwater above NMHQCC Groundwater Standards of 230 mg/Kg and 600 mg/Kg, respectively
- - = Not Analyzed, J = Analyse detected, but below Reporting Limit. Therefore, result is an estimated concentration (CPL J-Flag)

APPENDICES

APPENDIX I

PROJECT PHOTOGRAPHS



Photograph #1 – Lease sign.



Photograph #2 – Looking northwesterly at release site.





Photograph #4 – Remediated site.



Photograph #5 – Remediated site.



Photograph #6 – Remediated site.

APPENDIX II

LABORATORY ANALYTICAL REPORTS AND CHAIN-OF-CUSTODY FORM



Analytical Report

Prepared for:

Iain Olness Environmental Plus, Incorporated P.O. Box 1558 Eunice, NM 88231

Project: Chevron USA/ Lov. San Andres Unit #40 Project Number: 200068 Location: UL-H, Sec. 01, T 17 S, R 36 E

Lab Order Number: 6B09012

Report Date: 02/21/06

Environmental Plus, Incorporated	Project:	Chevron USA/ Lov. San Andres Unit #40	Fax: 505-394-2601
P.O. Box 1558	Project Number:	200068	Reported:
Eunice NM, 88231	Project Manager:	Iain Olness	02/21/06 15:34

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SB-1 2'-3'	6B09012-01	Soil	02/08/06 08:45	02/09/06 12:56
SB-1 5'-6'	6B09012-02	Soil	02/08/06 08:51	02/09/06 12:56
SB-1 10'-11'	6B09012-03	Soil	02/08/06 09:03	02/09/06 12:56
SB-2 2'-3'	6B09012-04	Soil	02/08/06 09:15	02/09/06 12:56
SB-2 5'-6'	6B09012-05	Soil	02/08/06 09:19	02/09/06 12:56
SB-2 10'-11'	6B09012-06	Soil	02/08/06 09:28	02/09/06 12:56
SB-3 2'-3'	6B09012-07	Soil	02/08/06 09:35	02/09/06 12:56
SB-3 5'-6'	6B09012-08	Soil	02/08/06 09:40	02/09/06 12:56

Project: Chevron USA/ Lov. San Andres Unit #40 Project Number: 200068 Project Manager: lain Olness

Fax: 505-394-2601

Reported: 02/21/06 15:34

Organics by GC

Environmental Lab of Texas

	Dec. It	Reporting	T In it-			. .			
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SB-1 2'-3' (6B09012-01) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EB61503	02/15/06	02/16/06	EPA 8021B	
Toluene	ND	0.0250	11	It	**	"		"	
Ethylbenzene	ND	0.0250	н	.,	**	*	11	n	
Xylene (p/m)	ND	0.0250	н	"	"	"	н	ท	
Xylene (o)	ND	0.0250		"	11		н	N	
Surrogate: a,a,a-Trifluorotoluene		91.8 %	80-1	20	"	"	n	"	
Surrogate: 4-Bromofluorobenzene		82.8 %	80-1	20	"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EB61031	02/10/06	02/13/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	н	.,	"	**	"	"	
Carbon Ranges C28-C35	ND	10.0		11	"	"	11		
Total Hydrocarbon C6-C35	ND	10.0	H	11	,,		"	"	
Surrogate: 1-Chlorooctane		101 %	70-1	30	"	"	"	"	
Surrogate: 1-Chlorooctadecane		75.2 %	70-1	30	"	"	"	"	
SB-1 5'-6' (6B09012-02) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EB61503	02/15/06	02/15/06	EPA 8021B	
Toluene	ND	0.0250	"	"	н	н	"	"	
Ethylbenzene	ND	0.0250	"	"		я	"	"	
Xylene (p/m)	ND	0.0250	"	"	н	н	"	"	
Xylene (o)	ND	0.0250	"	"	н	"	11	и	
Surrogate: a,a,a-Trifluorotoluene		83.2 %	80-1	20	. "	"	"	"	
Surrogate: 4-Bromofluorobenzene		84.8 %	80-1	20	"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EB61031	02/10/06	02/13/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	11	н		п	11	
Carbon Ranges C28-C35	ND	10.0	"	**	н	"	"	н	
Total Hydrocarbon C6-C35	ND	10.0	"	11	н		"	11	
Surrogate: 1-Chlorooctane		104 %	70-1	30	"	"	"	"	
Surrogate: 1-Chlorooctadecane		74.0 %	70-1	30	"	"	"	"	
SB-1 10'-11' (6B09012-03) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EB61503	02/15/06	02/16/06	EPA 8021B	
Toluene	ND	0.0250	"	н	**		н	"	
Ethylbenzene	ND	0.0250	"	11	*1	"	п	"	
Xylene (p/m)	ND	0.0250	"	11	*1	"	н	и	
Xylene (o)	ND	0.0250		11	*1	"	н	"	
Surrogate: a,a,a-Trifluorotoluene		98.0 %	80-1	20	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		80.2 %	80-1	20	"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	l	EB61031	02/10/06	02/13/06	EPA 8015M	
Environmental Lab of Texas			The res	ults in this i	report apply to	the samples a	nalvzed in accord	ance with the sam	nles

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Environmental Plus, Incorporated		Project: Chevron USA/ Lov. San Andres Unit #					40	Fax: 505-394-2601		
P.O. Box 1558		Project N	umber: 200	Reported:						
Eunice NM, 88231		Project M	anager: Iair	n Olness				02/21/	06 15:34	
		O	rganics b	y GC						
		Environ	mental L	ab of Te	exas					
		Reporting	11.1		_	_				
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes	
SB-1 10'-11' (6B09012-03) Soil										
Carbon Ranges C12-C28	ND	10.0	mg/kg dry	1	EB61031	02/10/06	02/13/06	EPA 8015M		
Carbon Ranges C28-C35	ND	10.0	ч	"	"	"	н	"		
Total Hydrocarbon C6-C35	ND	10.0			" 	u	n 			
Surrogate: 1-Chlorooctane		99.2 %	70-1	130	"	"	"	"		
Surrogate: 1-Chlorooctadecane		75.0 %	70-1	130	"	11	"	"		
SB-2 2'-3' (6B09012-04) Soil										
Benzene	ND	0.0250	mg/kg dry	25	EB61503	02/15/06	02/16/06	EPA 8021B		
Toluene	ND	0.0250	"	11	11	н		n		
Ethylbenzene	ND	0.0250	*	"	*	"	н	n		
Xylene (p/m)	ND	0.0250	"	"	н	"	н	n		
Xylene (o)	ND	0.0250	"	"	н	"	"	n		
Surrogate: a,a,a-Trifluorotoluene		91.2 %	80-1	120	"	"	"	"		
Surrogate: 4-Bromofluorobenzene		81.0 %	80-1	120	"	"	"	"		
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EB61031	02/10/06	02/13/06	EPA 8015M		
Carbon Ranges C12-C28	ND	10.0	۳	"	11	"	н	**		
Carbon Ranges C28-C35	ND	10.0	**	"	"		н	11		
Total Hydrocarbon C6-C35	ND	10.0	"	"	н		ц	**		
Surrogate: 1-Chlorooctane		97.2 %	 70-1	130	"	"	"			
Surrogate: 1-Chlorooctadecane		71.8 %	70-1	130	"	"	"	"		
SB-2 5'-6' (6B09012-05) Soil										
Benzene	ND	0.0250	mg/kg dry	25	EB61503	02/15/06	02/15/06	EPA 8021B		
Toluene	ND	0.0250	**	"	"	"	"	н		
Ethylbenzene	ND	0.0250	"	"		"	"	11		
Xylene (p/m)	ND	0.0250	"	"		"	"	11		
Xylene (o)	ND	0.0250	"	"	"	н	n 	н		
Surrogate: a,a,a-Trifluorotoluene		85.2 %	80-1	120	"	"	"	"		
Surrogate: 4-Bromofluorobenzene		81.0 %	80-1	120	"	"	"	"		
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EB61031	02/10/06	02/13/06	EPA 8015M		
Carbon Ranges C12-C28	ND	10.0	11		"	"	"	"		
Carbon Ranges C28-C35	ND	10.0	11	н	"	"	u	н		
Total Hydrocarbon C6-C35	ND	10.0		н	"	"	"	н		
Surrogate: 1-Chlorooctane		102 %	70-1	130	"	"	"	"		
Surrogate: 1-Chlorooctadecane		78.0 %	70-1	130	"	"	"	"		

Environmental Lab of Texas

Project: Chevron USA/ Lov. San Andres Unit #40 Project Number: 200068 Project Manager: Iain Olness Fax: 505-394-2601

Reported: 02/21/06 15:34

Organics by GC

Environmental Lab of Texas

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SB-2 10'-11' (6B09012-06) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EB61503	02/15/06	02/15/06	EPA 8021B	
Toluene	ND	0.0250	"		11	"	11	"	
Ethylbenzene	ND	0.0250	"		"	"	"	**	
Xylene (p/m)	ND	0.0250	11	"	**	"	"	н	
Xylene (o)	ND	0.0250		"	"	"	"	п	
Surrogate: a,a,a-Trifluorotoluene		95.2 %	80-1.	20	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		80.5 %	80-1.	20	"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EB61031	02/10/06	02/13/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	н		u	"	
Carbon Ranges C28-C35	ND	10.0	"		"	"	н	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"		н	"	"	
Surrogate: 1-Chlorooctane		94.4 %	70-1.	30		"	"	"	
Surrogate: 1-Chlorooctadecane		70.4 %	70-1.	30	"	"	"	"	
SB-3 2'-3' (6B09012-07) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EB61503	02/15/06	02/15/06	EPA 8021B	
Toluene	ND	0.0250	"	"		"		"	
Ethylbenzene	ND	0.0250				11		"	
Xylene (p/m)	ND	0.0250	"		"	н	"	"	
Xylene (o)	ND	0.0250	n	"	"	"	*	н	
Surrogate: a,a,a-Trifluorotoluene		93.2 %	80-12	20	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		80.2 %	80-1.	20	"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EB61031	02/10/06	02/13/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0				"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"		"	"	"	
Total Hydrocarbon C6-C35	ND	10.0			**	"	"	"	
Surrogate: 1-Chlorooctane		97.2 %	70-1.	30	"	"	"		
Surrogate: 1-Chlorooctadecane		70.6 %	70-1.	30	"	"	"	"	
SB-3 5'-6' (6B09012-08) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EB61508	02/15/06	02/15/06	EPA 8021B	- A
Toluene	ND	0.0250	"		"	"	**	"	
Ethylbenzene	ND	0.0250	"	11	"	"		"	
Xylene (p/m)	ND	0.0250	n	н	"	"		"	
Xylene (o)	ND	0.0250	"		"		"	"	
Surrogate: a,a,a-Trifluorotoluene		85.8 %	80-12	20		"	"	"	
Surrogate: 4-Bromofluorobenzene		81.8 %	80-1.	20	"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EB61031	02/10/06	02/13/06	EPA 8015M	

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Project: Chevron USA/ Lov. San Andres Unit #40 Project Number: 200068 Project Manager: Iain Olness Fax: 505-394-2601 Reported:

02/21/06 15:34

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SB-3 5'-6' (6B09012-08) Soil	<u>_</u>					· · · · · · · · · · · · · · · · · · ·			
Carbon Ranges C12-C28	ND	10.0	mg/kg dry	1	EB61031	02/10/06	02/13/06	EPA 8015M	
Carbon Ranges C28-C35	ND	10.0	"	*	"	"			
Total Hydrocarbon C6-C35	ND	10.0	n	11	"	11	"	11	
Surrogate: 1-Chlorooctane		106 %	70-13	0	"	"	"	"	
Surrogate: 1-Chlorooctadecane		75.6 %	70-13	10	"	"	"	"	

Environmental Lab of Texas

Environmental Plus, Incorporated	Project:	Chevron USA/ Lov. San Andres Unit #40	Fax: 505-394-2601
P.O. Box 1558	Project Number:	200068	Reported:
Eunice NM, 88231	Project Manager:	Iain Olness	02/21/06 15:34

General Chemistry Parameters by EPA / Standard Methods

Environmental Lab of Texas

		Reporting			······				
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SB-1 2'-3' (6B09012-01) Soil								<u> </u>	
Chloride	42.2	5.00	mg/kg	10	EB62012	02/20/06	02/20/06	EPA 300.0	
% Moisture	0.1	0.1	%	1	EB61305	02/10/06	02/13/06	% calculation	
Sulfate	25.5	5.00	mg/kg	10	EB62012	02/20/06	02/20/06	EPA 300.0	
SB-1 5'-6' (6B09012-02) Soil									
Chloride	13.3	5.00	mg/kg	10	EB62012	02/20/06	02/20/06	EPA 300.0	
% Moisture	0.4	0.1	%	1	EB61305	02/10/06	02/13/06	% calculation	
Sulfate	23.1	5.00	mg/kg	10	EB62012	02/20/06	02/20/06	EPA 300.0	
SB-1 10'-11' (6B09012-03) Soil									
Chloride	127	5.00	mg/kg	10	EB62012	02/20/06	02/20/06	EPA 300.0	
% Moisture	0.3	0.1	%	1	EB61305	02/10/06	02/13/06	% calculation	
Sulfate	42.4	5.00	mg/kg	10	EB62012	02/20/06	02/20/06	EPA 300.0	
SB-2 2'-3' (6B09012-04) Soil							_		
Chloride	126	5.00	mg/kg	10	EB62012	02/20/06	02/20/06	EPA 300.0	
% Moisture	ND	0.1	%	1	EB61305	02/10/06	02/13/06	% calculation	
Sulfate	41.0	5.00	mg/kg	10	EB62012	02/20/06	02/20/06	EPA 300.0	
SB-2 5'-6' (6B09012-05) Soil									
Chloride	30.4	5.00	mg/kg	10	EB62012	02/20/06	02/20/06	EPA 300.0	
% Moisture	0.3	0.1	%	1	EB61305	02/10/06	02/13/06	% calculation	
Sulfate	17.6	5.00	mg/kg	10	EB62012	02/20/06	02/20/06	EPA 300.0	
SB-2 10'-11' (6B09012-06) Soil									
Chloride	9.94	5.00	mg/kg	10	EB62012	02/20/06	02/20/06	EPA 300.0	
% Moisture	0.5	0.1	%	1	EB61305	02/10/06	02/13/06	% calculation	
Sulfate	18.5	5.00	mg/kg	10	EB62012	02/20/06	02/20/06	EPA 300.0	
SB-3 2'-3' (6B09012-07) Soil			-						
Chloride	44.5	5.00	mg/kg	10	EB62012	02/20/06	02/20/06	EPA 300.0	
% Moisture	0.1	0.1	%	1	EB61305	02/10/06	02/13/06	% calculation	
Sulfate	40.3	5.00	mg/kg	10	EB62012	02/20/06	02/20/06	EPA 300.0	

Environmental Lab of Texas

Environmental Plus, Incorporated	Project:	Chevron USA/ Lov. San Andres Unit #40	Fax: 505-394-2601
P.O. Box 1558	Project Number:	200068	Reported:
Eunice NM, 88231	Project Manager:	Iain Olness	02/21/06 15:34

General Chemistry Parameters by EPA / Standard Methods

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SB-3 5'-6' (6B09012-08) Soil									
Chloride	37.5	5.00	mg/kg	10	EB62012	02/20/06	02/20/06	EPA 300.0	
% Moisture	0.1	0.1	%	1	EB61305	02/10/06	02/13/06	% calculation	
Sulfate	48.8	5.00	mg/kg	10	EB62012	02/20/06	02/20/06	EPA 300.0	

Environmental Lab of Texas

Project: Chevron USA/ Lov. San Andres Unit #40 Project Number: 200068 Project Manager: Iain Olness

Reported: 02/21/06 15:34

Organics by GC - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EB61031 - Solvent Extraction (GC))									
Blank (EB61031-BLK1)				Prepared: 0)2/10/06 A	nalyzed: 02	2/13/06			
Carbon Ranges C6-C12	ND	10.0	mg/kg wet	· · ·		-	• • • • •			
Carbon Ranges C12-C28	ND	10.0	11							
Carbon Ranges C28-C35	ND	10.0	11							
Total Hydrocarbon C6-C35	ND	10.0	11							
Surrogate: 1-Chlorooctane	47.1		mg/kg	50.0		94.2	70-130			
Surrogate: 1-Chlorooctadecane	35.2		"	50.0		70.4	70-130			
LCS (EB61031-BS1)				Prepared: 0)2/10/06 A	nalyzed: 02	2/13/06			
Carbon Ranges C6-C12	465	10.0	mg/kg wet	500		93.0	75-125			
Carbon Ranges C12-C28	525	10.0	"	500		105	75-125			
Total Hydrocarbon C6-C35	990	10.0	"	1000		99.0	75-125			
Surrogate: 1-Chlorooctane	56.3	-	mg/kg	50.0		113	70-130			
Surrogate: 1-Chlorooctadecane	44.9		"	50.0		89.8	70-130			
Calibration Check (EB61031-CCV1)				Prepared: 0)2/10/06 A	nalyzed: 02	2/13/06			
Carbon Ranges C6-C12	478		mg/kg	500		95.6	80-120			
Carbon Ranges C12-C28	563		"	500		113	80-120			
Total Hydrocarbon C6-C35	1040		11	1000		104	80-120			
Surrogate: 1-Chlorooctane	58.5		"	50.0			70-130			
Surrogate: 1-Chlorooctadecane	54.4		"	50.0		109	70-130			
Matrix Spike (EB61031-MS1)	Sou	rce: 6B09002	-08	Prepared: 0)2/10/06 A	nalyzed: 02	?/13/06			
Carbon Ranges C6-C12	578	10.0	mg/kg dry	569	ND	102	75-125			
Carbon Ranges C12-C28	631	10.0	**	569	ND	111	75-125			
Total Hydrocarbon C6-C35	1210	10.0	"	1140	ND	106	75-125			
Surrogate: 1-Chlorooctane	60.4		mg/kg	50.0		121	70-130			
Surrogate: 1-Chlorooctadecane	49.6		"	50.0		99.2	70-130			

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Environmental Plus, Incorporated	Project:	Chevron USA/ Lov. San Andres Unit #40	Fax: 505-394-2601
P.O. Box 1558	Project Number:	200068	Reported:
Eunice NM, 88231	Project Manager:	Iain Olness	02/21/06 15:34
	Organics by GC	- Quality Control	

Environmental Lab of Texas

Analyte	Recult	Reporting	Linite	Spike Level	Source	%REC	%REC	רוסק	RPD Limit	Notes
	Result	Limit	Unus	Level		/orec	LITITIS	KrU	Linit	notes
Batch EB61031 - Solvent Extraction (GC)			<u></u>							
Matrix Spike Dup (EB61031-MSD1)	Sour	ce: 6B09002	:-08	Prepared: (02/10/06 Ai	nalyzed: 02	2/13/06			
Carbon Ranges C6-C12	564	10.0	mg/kg dry	569	ND	99.1	75-125	2.45	20	-
Carbon Ranges C12-C28	640	10.0	"	569	ND	112	75-125	1.42	20	
Total Hydrocarbon C6-C35	1200	10.0	"	1140	ND	105	75-125	0.830	20	
Surrogate: 1-Chlorooctane	59.5	* * ==	mg/kg	50.0		119	70-130		····	
Surrogate: 1-Chlorooctadecane	48.I		"	50.0		96.2	70-130			
Batch EB61503 - EPA 5030C (GC)										
Blank (EB61503-BLK1)				Prepared &	Analyzed:	02/15/06				_
Benzene	ND	0.0250	mg/kg wet							
Toluene	ND	0.0250								
Ethylbenzene	ND	0.0250	•							
Xylenc (p/m)	ND	0.0250	"							
Xylene (0)	ND	0.0250	"							
Surrogate: a,a,a-Trifluorotoluene	35.4		ug/kg	40.0		88.5	80-120			· ·
Surrogate: 4-Bromofluorobenzene	34.9		"	40.0		87.2	80-120			
LCS (EB61503-BS1)				Prepared: (02/15/06 Ar	nalyzed: 02	/16/06			
Benzene	2.59	0.0250	mg/kg wet	2.50		104	80-120			
Toluene	2.77	0.0250	"	2.50		111	80-120			
Ethylbenzene	2.92	0.0250	55	2.50		117	80-120			
Xylene (p/m)	5.28	0.0250	11	5.00		106	80-120			
Xylene (o)	3.00	0.0250	н	2.50		120	80-120			
Surrogate: a,a,a-Trifluorotoluene	41.6		ug/kg	40.0		104	80-120			
Surrogate: 4-Bromofluorobenzene	33.9		"	40.0		84.8	80-120			
Calibration Check (EB61503-CCV1)				Prepared &	Analyzed:	02/15/06				
Benzene	106		ug/kg	100		106	80-120			
Toluene	110		н	100		110	80-120			
Ethylbenzene	102		н	100		102	80-120			
Xylene (p/m)	187		"	200		93.5	80-120			
Xylene (0)	99.8		"	100		99.8	80-120			
Surrogate: a,a,a-Trifluorotoluene	41.9		"	40.0		105	80-120			
Surrogate: 4-Bromofluorobenzene	33.9		"	40.0		84.8	80-120			

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Project: Chevron USA/ Lov. San Andres Unit #40 Project Number: 200068 Project Manager: Iain Olness Fax: 505-394-2601 Reported:

02/21/06 15:34

Organics by GC - Quality Control

Environmental Lab of Texas

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch EB61503 - EPA 5030C (GC)										
Matrix Spike (EB61503-MS1)	Sour	ce: 6B09002	-04	Prepared: (02/15/06	Analyzed: 02	/16/06			
Benzene	2.93	0.0250	mg/kg dry	2.96	ND	99.0	80-120			
Toluene	3.46	0.0250	"	2.96	ND	117	80-120			
Ethylbenzene	3.55	0.0250	"	2.96	ND	120	80-120			
Xylene (p/m)	6.50	0.0250	"	5.92	ND	110	80-120			
Xylene (o)	3.55	0.0250	"	2.96	ND	120	80-120			
Surrogate: a,a,a-Trifluorotoluene	41.2		ug/kg	40.0		103	80-120			
Surrogate: 4-Bromofluorobenzene	37.8		"	40.0		94.5	80-120			
Matrix Spike Dup (EB61503-MSD1)	Sour	ce: 6B09002	-04	Prepared: (02/15/06	Analyzed: 02	/16/06			
Benzene	3.04	0.0250	mg/kg dry	2.96	ND	103	80-120	3.96	20	
Toluene	3.23	0.0250		2.96	ND	109	80-120	7.08	20	
Ethylbenzene	3.32	0.0250	ш	2.96	ND	112	80-120	6.90	20	
Xylene (p/m)	5.97	0.0250		5.92	ND	101	80-120	8.53	20	
Xylene (0)	3.54	0.0250	"	2.96	ND	120	80-120	0.00	20	
Surrogate: a,a,a-Trifluorotoluene	38.4		ug/kg	40.0		96.0	80-120			
Surrogate: 4-Bromofluorobenzene	39.4		"	40.0		98.5	80-120			

Batch EB61508 - EPA 5030C (GC)

Blank (EB61508-BLK1)				Prepared & Analyzed: 02/15/06					
Benzene	ND	0.0250	mg/kg wet						
Toluene	ND	0.0250	"						
Ethylbenzene	ND	0.0250	я						
Xylene (p/m)	ND	0.0250	п						
Xylene (0)	ND	0.0250	н						
Surrogate: a,a,a-Trifluorotoluene	39.1		ug/kg	40.0	97.8	80-120			
Surrogate: 4-Bromofluorobenzene	32.0		"	40.0	80.0	80-120			

Environmental Lab of Texas

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.

Page 10 of 14

Project: Chevron USA/ Lov. San Andres Unit #40 Project Number: 200068 Project Manager: Iain Olness Fax: 505-394-2601

Reported: 02/21/06 15:34

Organics by GC - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting	Units	Spike Level	Source Result	%REC	%REC	RPD	RPD Limit	Notes
		2	0	20101	result		Linns		Linit	
Batch EB61508 - EPA 5030C (GC)										
LCS (EB61508-BS1)				Prepared &	Analyzed:	02/15/06				
Benzene	2.49	0.0250	mg/kg wet	2.50		99.6	80-120			
Toluene	2.90	0.0250	*	2.50		116	80-120			
Ethylbenzene	2.99	0.0250	н	2.50		120	80-120			
Xylene (p/m)	5.34	0.0250	**	5.00		107	80-120			
Xylene (0)	2.99	0.0250	"	2.50		120	80-120			
Surrogate: a,a,a-Trifluorotoluene	37.9		ug/kg	40.0		94.8	80-120			
Surrogate: 4-Bromofluorobenzene	35.1		"	40.0		87.8	80-120			
Calibration Check (EB61508-CCV1)				Prepared: (02/15/06 A	nalyzed: 02	2/16/06			
Benzene	104		ug/kg	100		104	80-120			
Toluene	110		•	100		110	80-120			
Ethylbenzene	108		**	100		108	80-120			
Xylene (p/m)	193		н	200		96.5	80-120			
Xylene (o)	111		"	100		111	80-120			
Surrogate: a,a,a-Trifluorotoluene	40.9		"	40.0		102	80-120			
Surrogate: 4-Bromofluorobenzene	37.1		"	40.0		92.8	80-120			
Matrix Spike (EB61508-MS1)	Sour	rce: 6B09012	-08	Prepared: (02/15/06 A	nalyzed: 02	2/16/06			
Benzene	2.61	0.0250	mg/kg dry	2.50	ND	104	80-120			
Tolucne	2.78	0.0250	**	2.50	ND	111	80-120			
Ethylbenzene	2.78	0.0250		2.50	ND	111	80-120			
Xylene (p/m)	4.94	0.0250	**	5.01	ND	98.6	80-120			
Xylene (o)	2.80	0.0250	"	2.50	ND	112	80-120			
Surrogate: a,a,a-Trifluorotoluene	41.0		ug/kg	40.0		102	80-120			
Surrogate: 4-Bromofluorobenzene	36.4		**	40.0		91.0	80-120			
Matrix Spike Dup (EB61508-MSD1)	Sour	rce: 6B09012	-08	Prepared: 0)2/15/06 A	nalyzed: 02	2/16/06			
Benzene	2.63	0.0250	mg/kg dry	2.50	ND	105	80-120	0.957	20	
Toluene	2.81	0.0250	н	2.50	ND	112	80-120	0.897	20	
Ethylbenzene	2.83	0.0250	"	2.50	ND	113	80-120	1.79	20	
Xylene (p/m)	5.05	0.0250		5.01	ND	101	80-120	2.40	20	
Xylene (o)	2.88	0.0250	"	2.50	ND	115	80-120	2.64	20	
Surrogate: a.a,a-Trifluorotoluene	42.1		ug/kg	40.0	·	105	80-120			
Surrogate: 4-Bromofluorobenzene	39.5		"	40.0		98.8	80-120			

Environmental Lab of Texas

Reported: 02/21/06 15:34

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Environmental Lab of Texas

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch EB61305 - General Preparation (Prep)									
Blank (EB61305-BLK1)				Prepared: (02/10/06 A	nalyzed: 02	2/13/06			
% Solids	100		%							
Duplicate (EB61305-DUP1)	Sou	rce: 6B09009-	01	Prepared:	02/10/06 A	nalyzed: 02	2/13/06			
% Solids	97.2		%		96.6			0.619	20	
Duplicate (EB61305-DUP2)	Sou	rce: 6B09016-	06	Prepared: (02/10/06 A	nalyzed: 02	2/13/06			
% Solids	90.4	-	%		94.9			4.86	20	
Duplicate (EB61305-DUP3)	Sou	rce: 6B10001-	09	Prepared: (02/10/06 A	nalyzed: 02	/13/06			
% Solids	95.1		%		95.4			0.315	20	
Duplicate (EB61305-DUP4)	Sou	rce: 6B10005-	05	Prepared: (02/10/06 A	nalyzed: 02	/13/06			
% Solids	73.9		%		75.0			1.48	20	
Batch EB62012 - Water Extraction										
Blank (EB62012-BLK1)				Prepared 8	k Analyzed	: 02/20/06				
Sulfate	ND	0.500	mg/kg							
Chloride	ND	0.500	н							
LCS (EB62012-BS1)				Prepared &	k Analyzed	: 02/20/06				
Chloride	8.66	0.500	mg/kg	10.0		86.6	80-120			
Sulfate	8.48	0.500	**	10.0		84.8	80-120			
Calibration Check (EB62012-CCV1)				Prepared &	2 Analyzed	: 02/20/06				
Chloride	8.83		mg/L	10.0		88.3	80-120			
Sulfate	8.96		"	10.0		89.6	80-120			

Environmental Lab of Texas

Environmental Plus, Incorporated	Project:	Chevron USA/ Lov. San Andres Unit #40	Fax: 505-394-2601
P.O. Box 1558	Project Number:	200068	Reported:
Eunice NM, 88231	Project Manager:	Iain Olness	02/21/06 15:34

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EB62012 - Water Extraction										
Duplicate (EB62012-DUP1)	Sour	ce: 6B09012-	01	Prepared &	Analyzed:	02/20/06				
Chloride	44.7	5.00	mg/kg		42.2			5.75	20	-
Sulfate	26.8	5.00	11		25.5			4.97	20	

Environmental Lab of Texas

02/21/06 15:34

Notes and Definitions

DET	Analyte DETECTED

- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference
- LCS Laboratory Control Spike
- MS Matrix Spike
- Dup Duplicate

Raland K houts

Date: 2/21/2006

Raland K. Tuttle, Lab Manager Celey D. Keene, Lab Director, Org. Tech Director Peggy Allen, QA Officer

Jeanne Mc Murrey, Inorg. Tech Director LaTasha Cornish, Chemist Sandra Sanchez, Lab Tech.

This material is intended only for the use of the individual (s) or entity to whom it is addressed, and may contain information that is privileged and confidential.

If you have received this material in error, please notify us immediately at 432-563-1800.

Environmental Lab of Texas

Report Approved By:

Inc.	
nmental Plus,]	O, Eunice, NM 88231
Enviror	2100 Avenue (

33

Chain of Custody Form LAB: ELT

Eunice, NM 88231	FAX: (505) 394-2601
00 Avenue O,	05) 394-3481
100 Avenue O	505) 394-3481

8823	
NN	
Eunice,	
1558,	
. Box	
0 O	

)5) 394-3481 mpany Nama	FAX: (505) 394-2601	outo lota									0						NW	VERV	0	0 E E		
pany wame	Environme	ental Plus,	inc,									01										
Project Mani	ager lain Olnes:	s						I														
ng Address	P.O. BOX	1558								4	Ħ							-				
State, Zip	Eunice Nev	w Mexico 8	3823	 _						M	_ Ш	Ш										
hone#/Fax	± 505-394-34	181 / 505-3(94-21	501						ſ	-)E	L					-		-			-
it Company	Chevron US	ЗA									nia Robinsk Robi											
ity Name	Lov. San A	Andres Unit	t #40																	_		
ttion	UL-H, Sec.	. 01, T 17 S	, в	Э 9						Attn	i: lai	n Olne	SS									
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Sampler Nan	ne George Bla	ackburn								Euni	ce,	NM 88	231									
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Norol			BAR(D)	ATNO3 #	WATRAW		CRUDE C	зглрев	:ЯЭНТО	AGID/BA			DATE	TIME	BTEX 80:	3108 H 9 T	СНГОВІС		TCLP Pri	< A3HTO	HAq	
-01 1	SB-1 (2'-3')		×	╞		Ľ					×	8	-Feb-06	8:45	×	×	×	X				$\left - \right $
-02 2	SB-1 (5'-6')		X	F		×					×	08	-Feb-06	8:51	×	×	×	×				
-03 3	SB-1 (10'-11')		×			×					X	08	-Feb-06	9:03	×	×	×	×				
-64 4	SB-2 (2'-3')		×	-		×					×	80	-Feb-06	9:15	×	×	×	×				
-6 <i>5</i> 5	SB-2 (5'-6')		×	,		×					×	08	-Feb-06	9:19	×	X	×	×				
-010 6	SB-2 (10'-11')		×	-		\ge					×	8	-Feb-06	9:28	×	×	×	X				
-01 7	SB-3 (2'-3')		×	_	-	<u> </u>					×	8	-Feb-06	9:35	×	×	×	X	_			_
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Page 1 of 1

Environmental Lab of Texas Variance / Corrective Action Report – Sample Log-In

lient	EPI
)ate/Time:	2 9/06 12:56
Drde: #:	UB09012
nitials:	CK

Sample Receipt Checklist

-

Temperature of container/cooler?	Yes	_No	2.0	_C
Shipping container/cooler in good condition?	প্ৰহ্	No		
Custody Seals intact on shipping container/cooler?	Yes	No	Mot present	
Custody Seals intact on sample bottles?	Yes	No	Not present	İ
Chain of custody present?	Xes_	No		
Sample Instructions complete on Chain of Custody?	125	Na		ļ
Chain of Custody signed when relinguished and received?	(A)	No		1
Chain of custody agrees with sample label(s)	255	No		
Container labels legible and intact?	Xes	No		
Sample Matrix and properties same as on chain of custody?	1 Ces	No	1	}
Samples in procer container/bottle?	1 CB	No		· 1
Samples properly preserved?	2555	No		
Sample bottles intact?	(কি	No		
Preservations documented on Chain of Custody?	1 CB	No	1	1
Containers documented on Chain of Custody?	Xes	No		i
Sufficient sample amount for indicated test?	æs	Ī Νο		İ
All samples received within sufficient hold time?	(res)	Na		
VOC samples have zero headspace?	es	No	Not Applicab	le

Other observations:

	Varianao Dooum	entation	,
Contact Person: -		Contacted by	1.
Regarding:			·
		······	
			·
Corrective Action Taken:			

APPENDIX III

SOIL BORING LOGS

					L	_og	🛛 f Tes	st Borings (NOTE - Page 1 of 1)				
_84							Proje	ct Number: 200068				
ENVIREINMENTAL PLUS, INC.						NC.	Proje	Project Name: Lovington San Andres #40				
							Locati	on: UL , Section 1, Township 17 South, Range 36 East				
	-		505-3	94-3481	100		Boring	Number: SB-1 Surface Elevation: 3825-feet amsl				
Time	Sample Type	Recovery (inches)	Maisture	PID Readings (ppm)	Chloride Analysis (mg/Kg)	U.S.C.S. Svmbol	Depth (feet)	Start Date: <u>2-08-06</u> Time: <u>0845hrs</u> Completion Date: <u>2-08-06</u> Time: <u>0913hrs</u> Description				
0845	SS	12		.5	160							
]								2' White Caliche rock				
0851	22	12		.4	160			5 5' light brown sand				
							1					
0903	22	12		.4	160			End of Soil Boring at 11' bgs				
							1; 	5 —				
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							- <u>+</u>					
						1						
								5				
							F					
								o — —				
		<u> </u>					-+-	_				
	Wate	er Leve	l Meas	urement	s (feet	;)		Drilling Method: HSA 3.5' ID				
Date	! ir	ie Sa De	imple epth	Lasing Depth	Lave-11 Depth	n W	evel	Rockfill Methodi Bentonite				
-			-		-		-					
								riela kepresentative: UB				

					L	.og	🛛 f Tes	st Borings (NDTE - Page 1 of 1)
 8.,							Proje	ct Number: 200068
	5	Еичі		ITAL F	LUS, IN	VC.	Proje	ct Name: Lovington San Andres #40
							Locati	on: UL , Section 1, Township 17 South, Range 36 East
505-394-3481							Boring	Number: SB-2 Surface Elevation: 3825-feet amsl
Time	Sample Type	Recovery (inches)	Maisture	PID Readings (ppm)	Chloride Analysis (mg/Kg)	U.S.C.S. Svmbol	Jepth (feet)	Start Date: <u>2-08-06</u> Completion Date: <u>2-08-06</u> Description
0925	ss	12		.3	240			_
								2' White Callche rock
0929	SS	12		.1	160			5 5' Caliche
							-	
0928	22	12	<u> </u>	.1	160			0 10' light brown sand
		1						End of Soil Boring at 11' bgs
			ļ				-	_
C.							-	-
	<u> </u>							5
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		-					3	0
Date	Vate	e Leve	n Meas mple	urement Casing	s (feet Cave-li	;) n W	ater	Drilling Method: HSA 3.5' ID
	+	De	epth -	Depth -	Depth -		.evel	Backfill Method: Bentonite
_			-	-				Field Representative: GB

					L	.09	Of Te	st Borings (NOTE - Page 1 of 1)			
).						Proje	ect Number: 200068	_		
ENVIRONMENTAL PLUS, INC.					LUS, IN	VC.	C. Project Name: Lovington San Andres #40				
		REM					Locat	tion: UL , Section 1, Township 17 South, Range 36 East	_		
	r	EL	505-3	94-3481	VICU		Boring	Number: SB-3 Surface Elevation: 3825-feet am	sl		
Time	Sample Type	Recovery (inches)	Moisture	PID Readings (ppm)	Chloride Analysis (mg/Kg)	U.S.C.S. Symbol) Depth (feet)	Start Date: <u>2-08-06</u> Completion Date: <u>2-08-06</u> Description			
0945	52	12		.1	200				_		
								2' White Callche rock	 		
0950	52	12		.1	160			-5 5' Caliche End of Soil Boring at 6' bgs			
								10			
					i				 		
			1					15	 		
							E	-	_		
							2				
								-	 		
								-	- -		
							2				
							_ 3	30 -			
	Wate	r Leve	l Meas	urement	s (feet	;)		I Drilling Methodi HSA 35' ID			
Date	Tim	e So De	mple pth	Casing Depth	Depth		ater .evel	Rackful Methodi Bentonite			
-			-	-	-		-				
								riela kepresentative: UB			

APPENDIX IV

INFORMATION AND METRICS FORM INITIAL NMOCD FORM C-141 FINAL NMOCD FORM C-141

	"In on success		.		
	nevron	Incident	Date:	NMOCD N	otified
		12/11/05 @	10:00AM	12/11/05 @	11:30 AM
	\sim				
Informati	ion and Metrics _				
Site: Lovington	n San Andres Unit #40		Assigned Site	Reference : NM	IOCD 1RP#1228; EPI #200068
Company: C	hevron USA, Inc.				
Street Address	: 2401 Avenue 'O'				
Mailing Addre	ess: P.O. Box 1949				
City, State, Zij	: Eunice, New Mexico	88231			
Representative	e: Larry Williams				
Representative	e Telephone: (505) 396-44	414, ext. 128			
Telephone:					
Fluid volume r	released (bbls): 20-bbls		Recov	ered (bbls): Zei	ro (0)
	>25 bbls: Notify NM	OCD verbally v	vithin 24 hrs and	submit form C-1	41 within 15 days.
	(Also a)	pplies to unauth	orized releases >	-500 mcf Natural	Gas)
5-25 1	bbls: Submit form C-141 wi	thin 15 days (A	Also applies to un	authorized releas	es of 50-500 mcf Natural Gas)
Leak, Spill, or	Pit (LSP) Name: Loving	gton San Andre	es Unit #40		
Source of cont	amination: Injection well	l			
Land Owner, i	i.e., BLM, ST, Fee, Other	: City of Lovir	ngton		
LSP Dimensio	ns: unknown				
LSP Area: ~5,	100-ft ²				
Location of Re	eference Point (RP):				
Location dista	nce and direction from R	:Р:			
Latitude: N 32	2° 51' 57.45"			•	
Longitude: W	103° 18' 05.18"				
Elevation abov	ve mean sea level: 3,820-	-feet			
Feet from Sout	th Section Line:				
Feet from East	t Section Line:				
Location- Unit	t or 1/41/4: SE1/4 of the NE	1/4	Unit Letter	: H	
Location-Sect	ion: 1				
Location- Tow	nship: 17 South				
Location-Ran	ge: 36 East				
Surface water	body within 1000 ' radiu	s of site: non	e		
Domestic wate	r wells within 1000' radi	us of site: non	e		
Agricultural w	ater wells within 1000' r	adius of site:	one		
Public water su	upply wells within 1000'	radius of site:	none		
Depth from la	nd surface to groundwate	er (DG): ~56 t	feet		
Depth of conta	mination (DC): unknown	n			
Depth to groun	ndwater (DG – DC = DtC	GW): ~56 feet			r
1. 0	Froundwater	2. We	llhead Protecti	on Area	3. Distance to Surface Water Body
If Depth to GW	<50 feet: 20 points	If <1000' fro	m water source,	, or;<200' from	<200 horizontal feet: 20 points
If Depth to GW	50 to 99 feet: 10 points	private dome	stic water source	e: 20 points	200-1000 horizontal feet: 10 points
If Depth to GW	>100 feet: 0 points	If >1000' from private domes	m water source, stic water source	or; >200' from e: 0 points	>1000 horizontal feet: 0 points
Site Rank (1+2-	+3) = 10 + 0 + 0 = 10				
	Total Si	te Ranking So	ore and Accep	table Concentra	tions
Parameter	>19		10-19		0-9
Benzene ¹	10 ppm		10 ppm		10 ppm
BTEX	50 ppm		50 ppm		50 ppm
ТРН	100 ppm		1,000 ppr	n	5,000 ppm
¹ 100 ppm field	VOC headspace measuren	nent may be su	bstituted for lab	analysis	
					· · · · · · · · · · · · · · · · · · ·

<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 <u>District II</u>	State of New Mexico Energy Minerals and Natural Resources	Form C-141 Revised October 10, 2003
 1301 W. Grand Avenue, Artesia, NM 88210 <u>District III</u> 1000 Rio Brazos Road, Aztec, NM 87410 <u>District IV</u> 1220 S. St. Francis Dr., Santa Fe, NM 87505 	Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505	Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form
Releas	e Notification and Corrective Action	

0	TRATOR Initial Report Final Report			
Name of Company: Pure Resources, LP	Contact: Wayne Minchew			
Address: 500 W. Illinois Ave., Midland Texas 7	Telephone No.: (505) 396-4414			
Facility Name: Lovington San Andres Unit #40	Facility Type: Injection well			
Surface Owner: City of Lovington, NM Min	al Owner: State of New Mexico API No.: 30-025-05360			

LOCATIO	N OF RELEASE		

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
Н	1	175	36E					Lea
	1					}		

NATURE OF RELEASE

Type of Release: Produced water	Volume of Release: 20-bbls	Volume R	ecovered: none
Source of Release: Poly flow line froze and burst	Date and Hour of Occurrence:	Date and l	Hour of Discovery:
	12/11/05@10:00 AM	12/11/05 @	0 11:30 AM
Was Immediate Notice Given?	If YES, To Whom?		
🛛 🖾 Yes 🗌 No 🛄 Not Required	Sylvia Dickey		
By Whom? Wayne Minchew	Date and Hour: 12/12/05 @1:00	PM	
Was a Watercourse Reached?	If YES, Volume Impacting the V	Vatercourse:	
🗌 Yes 🖾 No	Not Applicable		
If a Watercourse was Impacted, Describe Fully.* Not Applicable			· · · · · · · · · · · · · · · · · · ·
Depth to Groundwater: ~56 feet	······································		
Describe Cause of Problem and Remedial Action Taken.* Approxim	ately 20 barrels of produced water wer	e released wh	en a poly flow line
froze and burst (used to flow back well prior to pulling). Zero (0) barrels	of fluid were recovered. Produced wa	ter line was sl	nut-off and repaired.
Approximately 5,100 square feet of surface area was affected by the rele	ase. Impacted soil was excavated and	disposed at a	State approved land
disposal facility.			<u></u>
Describe Area Affected and Cleanup Action Taken.* Release area is	to be delineated and impacted soil rem	oved as neces	sary.
I hereby certify that the information given above is true and complete to	the best of my knowledge and under	stand that pur	suant to NMOCD rules
and regulations all operators are required to report and/or file certain r	elease notifications and perform corre	ctive actions	for releases which may
endanger public health or the environment. The acceptance of a C-14	I report by the NMOCD marked as	"Final Repor	t" does not relieve the
operator of liability should their operations have failed to adequately in	ivestigate and remediate contaminatio	n that pose a	threat to ground water,
surface water, numan nearth or the environment. In addition, NMOCD	acceptance of a C-141 report does not	relieve the of	perator of responsibility
Tor compnance with any other rederal, state, or local laws and/or regular		TIONEDIU	
	<u>UIL CONSERVA</u>	TION DIV	ISION
Simotore any hallenne	,		
Signature.			
Printed Name: Larry Williams	Approved by District Supervisor:		
Timed (tame, Edity Windins			
Title: HES Champion	Approval Date:	Expiration 1	Date
		Dapiration	
E-mail Address: lcwl@chevron.com	Conditions of Approval:		
			Attached
Date: 12/12/2005 Phone: (505) 396-4414			
Ext. 128			
		<u>_</u>	L

* Attach Additional Sheets If Necessary

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District III Control of Company: Chevron Address: P.O. Box 1949 Eunice, NM 88231 Facility Name: Lovington San Andres Unit #40 Surface Owner: City of Lovington Miner	I Conserv 20 South Santa Fe ERATOR	vation Divisi St. Francis I NM 87505 Contact: Larr Telephone No	on Dr. Dr. Initial y Williams	Submit 2 Co District C wit Report X	opies to appropriate Office in accordance th Rule 116 on back side of form				
District III OI 000 Rio Brazos Road, Aztec, NM 87410 District IV 122 122 122 122 122 122 122 12	20 South Santa Fe tion ash ERATOR	Contact: Larr Telephone No	on Dr. El CSEDB Initial y Williams	Buonit 2 Construct Constru	office in accordance the Rule 116 on back side of form				
District IV 220 S. St. Francis Dr., Santa Fe, NM 87505 Name of Company: Chevron Address: P.O. Box 1949 Eunice, NM 88231 Facility Name: Lovington San Andres Unit #40 Surface Owner: City of Lovington Unit Letter Section Township Range Feet from	Santa Fe titte ast ERATOR	Contact: Larr Telephone No	PE 10330B	wit Report 🔀	th Rule 116 on back side of form Final Report				
OPE Name of Company: Chevron Address: P.O. Box 1949 Eunice, NM 88231 Facility Name: Lovington San Andres Unit #40 Surface Owner: City of Lovington Miner Unit Letter Section Township Range Feet from	ERATOR	Contact: Larr Felephone No	PC CORDA	Report 🛛	Final Report				
OPE Name of Company: Chevron Address: P.O. Box 1949 Eunice, NM 88231 Facility Name: Lovington San Andres Unit #40 Surface Owner: City of Lovington Unit Letter Section Township Range Feet from	ERATOR	Contact: Larr Telephone No	Initial y Williams	Report 🛛	Final Report				
Name of Company: Chevron Address: P.O. Box 1949 Eunice, NM 88231 Facility Name: Lovington San Andres Unit #40 Surface Owner: City of Lovington Miner Unit Letter Section Township Range Feet from	ral Owner	Contact: Larr Telephone No	y Williams		T mar report				
Address: P.O. Box 1949 Eunice, NM 88231 Facility Name: Lovington San Andres Unit #40 Surface Owner: City of Lovington Miner Unit Letter Section Township Range Feet from	ral Owner	Telephone No			}				
Facility Name: Lovington San Andres Unit #40 Surface Owner: City of Lovington Miner Unit Letter Section Township Range Feet from	ral Owner	Facility Type).:	Telephone No.:					
Surface Owner: City of Lovington Miner	ral Owner	racinty Type	: Injection well						
Unit Letter Section Township Range Feet from		r: City of Lov	ington	API No.: 30)-025-03813				
Unit Letter Section Township Range Feet from		APRIL NOT							
H 1 17S 36E	the Nor	th/South Line	Feet from the	East/West Line	County Lea				
	L	· · · · · · · · · · · · · · · · · · ·	L						
Latitude: <u>N 32° 51' 57</u>	<u>7.45"</u> Lon	igitude: <u>W 10</u>	<u>3° 18' 05.18"</u>						
Type of Release: produced water		Volume of Re	lease: unknown	Volume Recov	vered: none				
Source of Release: Injection well		Date and Hou unknown	r of Occurrence:	Date and Hou	r of Discovery:				
Was Immediate Notice Given?	Required	If YES, To Whom? Pat Caperton, NMOCD							
By Whom?		Date and Hour: unknown							
Was a Watercourse Reached?		If YES, Volume Impacting the Watercourse: Not Applicable							
If a Watercourse was Impacted, Describe Fully.* Not Appli	icable								
Depth to Groundwater: ~56 feet Describe Cause of Problem and Remedial Action Taken.* /	An unknowi	n amount of prod	uced water was rel	eased when a flow	-line failed Zero				
(0) barrels of fluid were recovered. Excavation was completed	by another	contractor.							
8, 2006 EPI was on-site and three (3) soil borings were advant extent of impacted soil. Upon receipt of Soil Boring Soil Sant threshold goals were excavated. EPI backfilled the excavation natural drainage and will be seeded with a blend preferred by t	nced throug mple Labora with appro- the NMSLO	shout the release atory Analytical eximately 160 yd	of surface area wa area to approxima Data confirming so s ³ of clean top soil	s affected by the re- tely 11-ft bgs to do bil impacted above . Entire disturbed	elineate the vertical NMOCD remedial area was graded for				
and regulations all operators are required to report and/or file endanger public health or the environment. The acceptance operator of liability should their operations have failed to ade surface water, human health or the environment. In addition, for compliance with any other federal, state, or local laws and/other	e certain rele of a C-141 equately inv NMOCD ac or regulatio	ease notification l report by the N restigate and rem cceptance of a C- ns.	s and perform corr NMOCD marked a ediate contaminati -141 report does no	ective actions for s "Final Report" of on that pose a three ot relieve the opera	releases which may loes not relieve the eat to ground water, tor of responsibility				
\sim i i a		<u>C</u>	IL CONSERV.	ATION DIVISI	<u>ON</u>				
Signature: Contractions	·*	Approved by District Supervisor:							
	-	<u> </u>		- J leite					
Title: HES Champion		Approval Date:	5.15.07	Expiration Date	<u>2: 6-12-0 (</u>				
E-mail Address: larry.williams@chevron.com		Conditions of A	pproval:	A	ttached				
Attach Additional Sheets If Necessary		<u></u>							