

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

State of New Mexico
Energy Minerals and Natural Resources

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

Form C-141
Revised October 10, 2003

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

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☒ Final Report

Name of Company	CHEVRON	Contact	TEJAY SIMPSON
Address	P.O. BOX 29 - ANDREWS, TX 79714	Telephone No.	432-523-3655 EXT 7613
Facility Name	WEST DOLLARHIDE DRINKARD UNIT	Facility Type	OIL & GAS PRODUCTION
Surface Owner	GEORGE WILLIS	Mineral Owner	STATE OF NM
		Lease No.	API NO. 30-025-12279

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
H	31	24.0S	38E					LEA

Latitude 32 10' 352" N Longitude 103 05' 536" W

NATURE OF RELEASE

Type of Release	PRODUCED WATER	Volume of Release	20 BBLS	Volume Recovered	18 BBLS
Source of Release	WATER INJECTION LINE	Date and Hour of Occurrence	09/06/06	Date and Hour of Discovery	09/06/06
Was Immediate Notice Given?	☒ Yes ☐ No ☐ Not Required	If YES, To Whom? LAND OWNER BY WAY OF HOLLISS COX 12/07/06 - SYLVIA DICKEY NOTIFIED OF FAILURE TO PROVIDE NMOCD NOTIFICATION			
By Whom?	TEJAY SIMPSON NOTIFIED HOLLISS COX	Date and Hour			
Was a Watercourse Reached?	☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.			

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken *

Corrosion related leak on steel injection flowline resulting in the release of an estimated 20 barrels of produced water. Vacuum trucks were dispatched to the site and recovered 18 barrels of produced water. The line remained out of service until bad sections were replaced and a hydrotest performed to insure mechanical integrity. Notification was made to the land owner (George Willis) by way of contract land man Hollis Cox. RWI Construction excavated and removed 24 yards of contaminated soil November 1st. The contaminated soil was transported to Lea Land Farm for disposal. Follow up soil sample indicates additional excavation will be required to bring the site to closure. It is estimated that an additional six yards of contaminated soil will have to be removed from the point of lowest elevation to bring the site to closure. Follow-up soil analysis will be obtained to confirm site is ready for closure. Any additional contaminated soil will be transported to Lea Land Farm for disposal.

Describe Area Affected and Cleanup Action Taken.*

Immediately identifiable contaminated soil was excavated by RWI Construction and taken to Lea Land Fill for disposal. Follow-up soil sampling indicates one area of contamination exists and will require further excavation and disposal. It is intended to remove additional material and close the site after receiving a follow-up soil sample indicating no contamination remains.

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

Signature:	OIL CONSERVATION DIVISION		
Printed Name: Tejey Simpson	Approved by District <u>Environmental Engineer</u>		
Title: Operations Supervisor - Dollarhide Area FMT	Approval Date: 10.17.08	Expiration Date: 12.17.08	
E-mail Address: tsimpson@chevron.com	Conditions of Approval:		Attached ☐
Date: December 11, 2006 Phone: 432-523-3655 * 7613	Submit Final w/ Documentation RPT# 1984		

* Attach Additional Sheets, If Necessary

BY 12.17.08

PGRL0834552875



ENVIRONMENTAL PLUS, INC.
CONSULTING AND ENVIRONMENTAL REMEDIATION

27 May 2008

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

RECEIVED

JUN 30 2008

HOBBS OCD

RE: Remediation Proposal
Chevron USA – WDDU #51
UL-H (SE ¼ of the NE ¼) Section 31, T 24 S, R 38 E
Latitude: 32° 10' 29.07"N; Longitude: 103° 05' 31.64"W
API #30-025-12279
NMOCD 1RP #1179; EPI Ref. #200108

Dear Mr. Johnson:

On behalf of Chevron USA, Environmental Plus, Inc., (EPI) submits the following Remediation Proposal to supplement Method of Closure procedure as noted on NMOCD Form C-141 dated 11 December 2006.

Site Background

The Site is located in UL-H (SE ¼ of the NE ¼) of Section 31, T24S, R38E at an elevation of approximately 3,145 feet above mean sea level (amsl). The property is owned by Mr. George Willis. A search for water wells was completed utilizing the New Mexico Office of the State Engineers website and a database maintained by the United States Geological Survey (USGS). Groundwater data taken from domestic and USGS water wells within a one (1) mile radius indicates an average water depth of approximately 196 feet below ground surface (bgs). Based on available information, it was determined distance between impacted soil and groundwater is approximately 135 vertical feet. No water wells or surface water features exist within a 1,000-foot radius of the site. Utilizing this information, New Mexico Oil Conservation Division (NMOCD) Remedial Goals for this Site were determined as follows:

Parameter	Remedial Goal
Benzene	10 parts per million
BTEX	50 parts per million
TPH	5,000 parts per million

*Chloride residuals may not be capable of impacting local groundwater above NMWQCC Ground Water Standards of 250 mg/L

ENVIRONMENTAL PLUS, INC.



Field Work

Internal corrosion of a steel injection flow line resulted in the release of approximately twenty (20) barrels (bbls) of produced water. Vacuum trucks were dispatched to the site and recovered approximately eighteen (18) bbls of produced water. The line remained out of service until bad sections were replaced and hydro-tested to ensure pipe line integrity. RWI Construction excavated and removed approximately twenty-four (24) cubic yards of contaminated soil on November 1, 2006. Contaminated soil was transported to Lea Land Farm for disposal. On January 18, 2007 EPI performed assessment, GPS survey and photographed the site. EPI advanced three (3) soil borings from January 26 through 29, 2007 across the release area to delineate vertical extents of impacted soil (reference *Table 2*).

Analytical Data

Analytical results for soil samples taken January 26 and 29 2007 indicated BTEX and TPH concentrations were non detectable (ND) at or above laboratory analytical method detection limits (MDL). Chloride concentrations ranged from 64 mg/Kg (SB3-5 @ 20') to 1,951 mg/Kg (SB1-1 @ 2') above NMOCD Remedial Threshold goals of 250 mg/Kg (reference *Table 2*).

Site Remedial Proposal

EPI proposes remedial activities to the approximate 2,950 square foot release area. Based on field analyses and laboratory analytical results, soils within the release area are chloride impacted. In view of this, it is recommended impacted soil remaining in situ be excavated to a minimum depth of ten (10)-feet bgs in the area surrounding SB-1. This will remove bulk of highly chloride contaminated soil. While chloride concentrations in this area extend to a known depth of sixty-one (61) feet bgs, they are in concentrations which may be considered manageable. The excavation will proceed from SB-1 to SB-2 with elevation transcending from ten (10) feet bgs to five (5) bgs. This excavation depth will be maintained from SB-2 to SB-3. Exact depth of excavation will be determined in the field. Sidewall excavations will be dictated by horizontal limits of chloride impacted soil above remedial threshold standards.

In view of vertical separation between bottom of the excavation (~10-feet bgs), depth of known chloride impacted soil (~61-feet bgs) and projected groundwater depth (~196-feet bgs), migration of elevated chloride concentrations should dissipate sufficiently to prevent groundwater contamination. Similarly, soil borings indicate they are confined to a relatively small area. However, for additional safe guards, EPI proposes installation of a twenty (20) mil polyethylene liner over the entire excavation bottom. Excavated areas greater than five (5) feet bgs are to be backfilled with caliche until a uniform depth of five (5) feet bgs is attained. A twenty (20) mil polyethylene liner sandwiched between two (2) one (1) foot layers of cushion material will be installed over the bottom. Cushion material can be either sand or clean topsoil free of deleterious ingredients, rocks and large clumps. Once the liner is installed, the remainder of the excavation will be backfilled with clean top soil from top of cushion material to original ground surface. Disturbed areas will be contoured to allow natural drainage. Disking and seeding of the release area is anticipated in late spring of 2008 when moisture levels are high and survival of newly emerged grass is greater. Seed recipe will be at the discretion of the property owner.



Should the above described remediation activities meet with the NMOCD approval, EPI will initiate required action immediately.

Should you have any technical questions or concerns, please contact me at (575) 394-3481 (office), (575) 441-7802 (cellular) or via email at dduncan@envplus.net. Official communications should be directed to Mr. Ricky Heredia, Chevron USA, at (432) 523-3655 (office), (432) 238-2342 (cell) or via email at rhrc@chevron.com with correspondence submitted to:

Mr. Ricky C. Heredia
HES Champion, Dollarhide FMT
MidContinent SBU
Chevron North America
Exploration and Production Company
P.O. Drawer 29
Andrews, Texas 79714

Sincerely,

ENVIRONMENTAL PLUS, INC.

David P. Duncan
Civil Engineer

Cc: Ricky Heredia, HES Champion Dollarhide FMT, Chevron
George Willis, Property Owner
Cody Miller, General Manager, EPI
Roger Boone, Operations Superintendent, EPI

Encl: Figure 1 – Area Map
Figure 2 – Site Location Map
Figure 3 – Site Map
Figure 4 – Groundwater Gradient Map
Figure 5 – Soil Boring Map
Table 1 – Well Data
Table 2 - Summary of Soil Boring Field Analyses and Laboratory Analytical Results
Attachment I – Site Photographs
Attachment II – Laboratory Analytical Results and Chain-of-Custody Form
Attachment III – Soil Boring Logs
Attachment IV – Information and Metrics
Copy of Initial NMOCD Form C-144

FIGURES

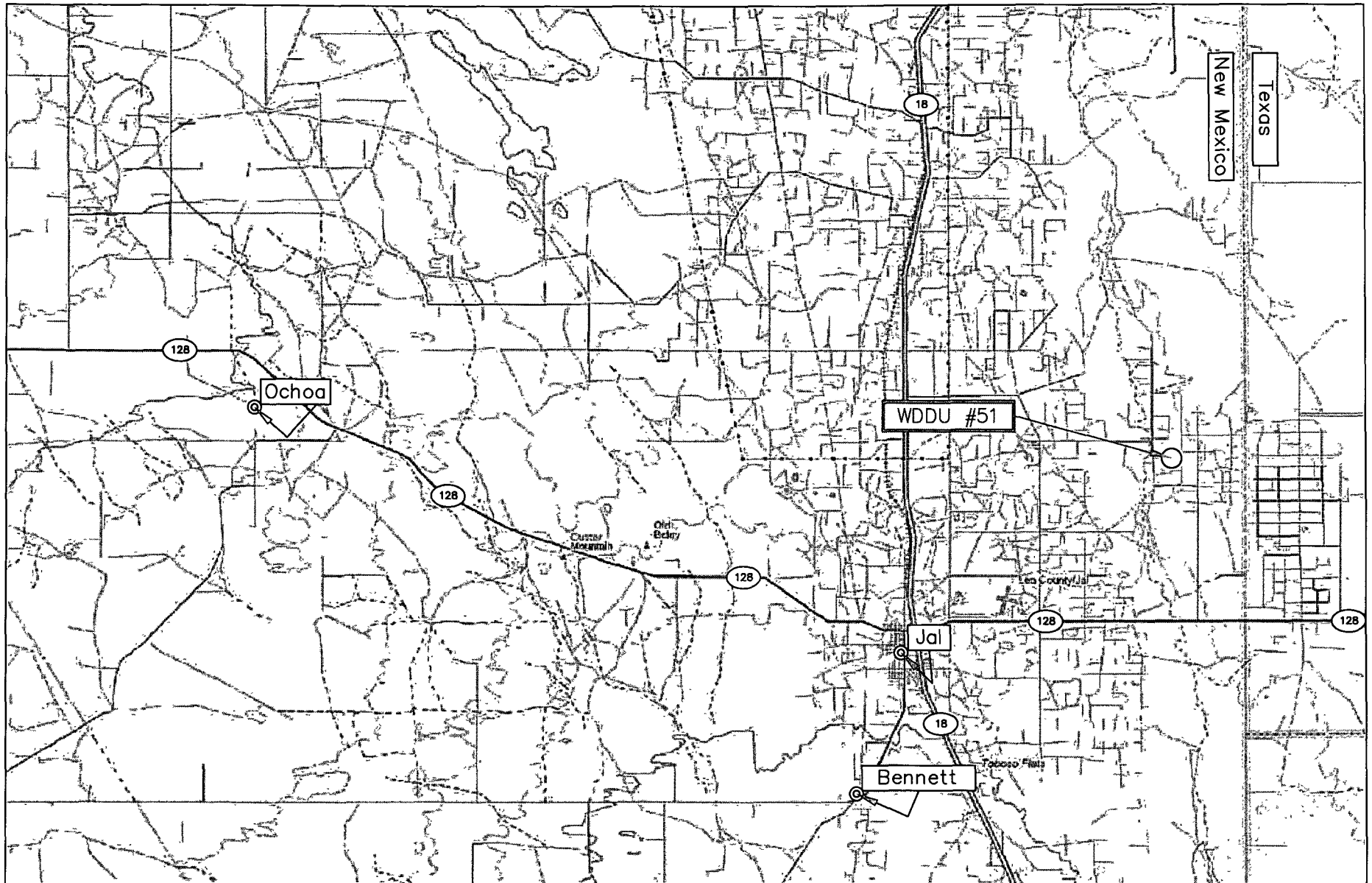
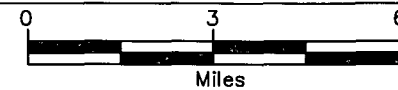


Figure 1
Area Map
Chevron Corporation
WDDU #51

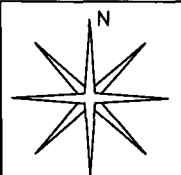
Lea County, New Mexico
SE 1/4 of the NE 1/4, Sec. 31, T24S, R38E
N 32° 10' 29.07" W 103° 05' 31.64"
Elevation: 3,145 feet amsl

DWG By: Daniel Dominguez
January 2007

REVISED:



SHEET
1 of 1



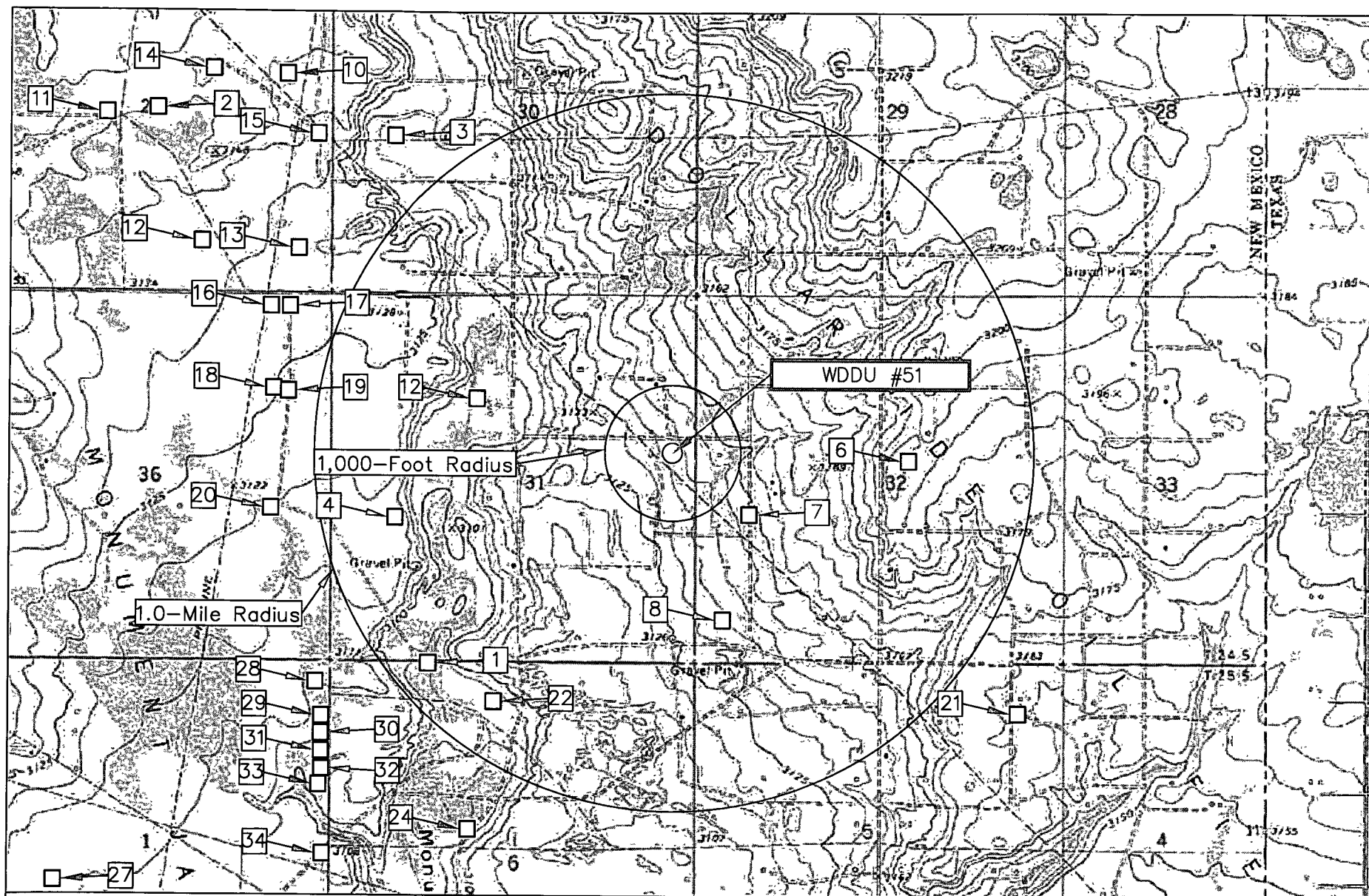
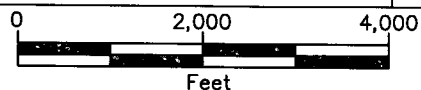


Figure 2
Site Location Map
Chevron Corporation
WDDU #51

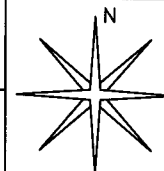
Lea County, New Mexico
SE 1/4 of the NE 1/4, Sec. 31, T24S, R38E
N 32° 10' 29.07" W 103° 05' 31.64"
Elevation: 3,145 feet amsl

DWG By: Daniel Dominguez
January 2007

REVISED:



SHEET
1 of 1



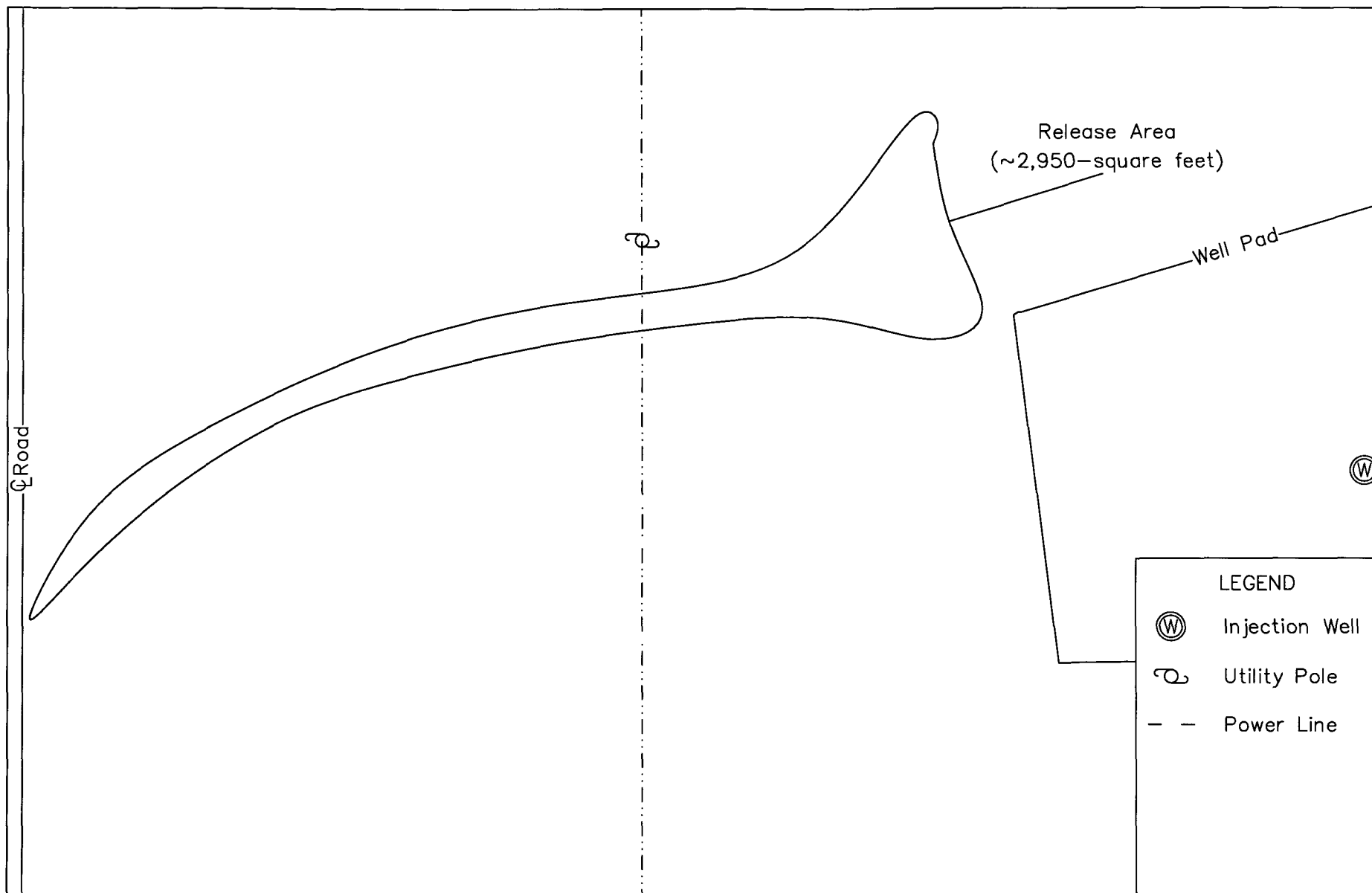
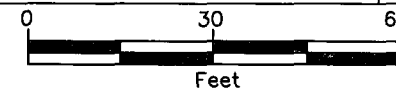


Figure 3
Site Map
Chevron Corporation
WDDU #51

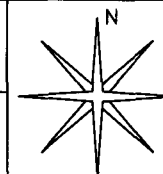
Lea County, New Mexico
SE 1/4 of the NE 1/4, Sec. 31, T24S, R38E
N 32° 10' 29.07" W 103° 05' 31.64"
Elevation: 3,145 feet amsl

DWG By: Daniel Dominguez
January 2007

REVISED:



SHEET
1 of 1



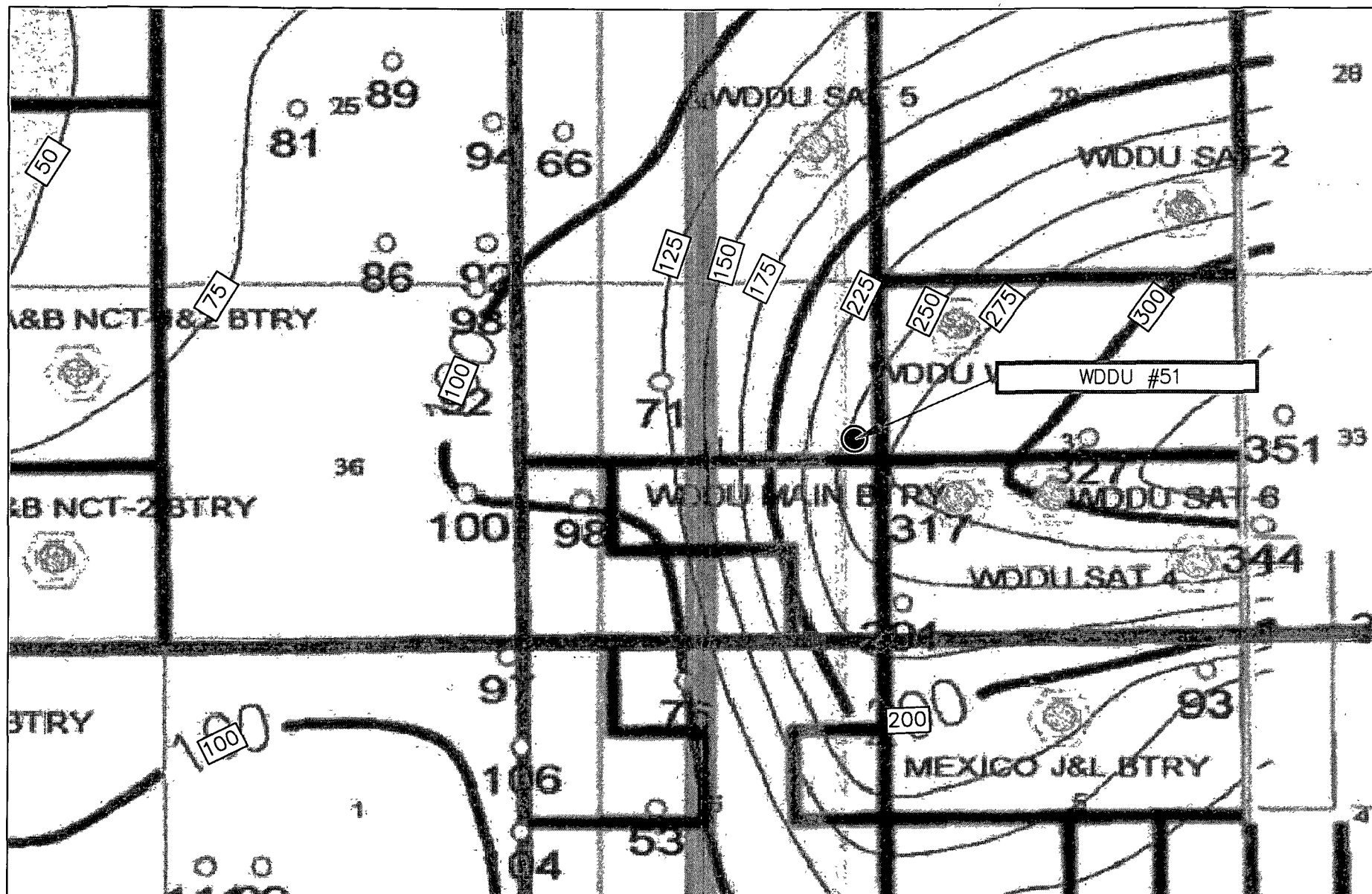
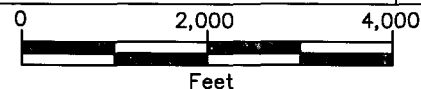


Figure 4
Groundwater Map
Chevron Corporation
WDDU #51

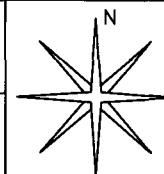
Lea County, New Mexico
SE 1/4 of the NE 1/4, Sec. 31, T24S, R38E
N 32° 10' 29.07" W 103° 05' 31.64"
Elevation: 3,145 feet amsl

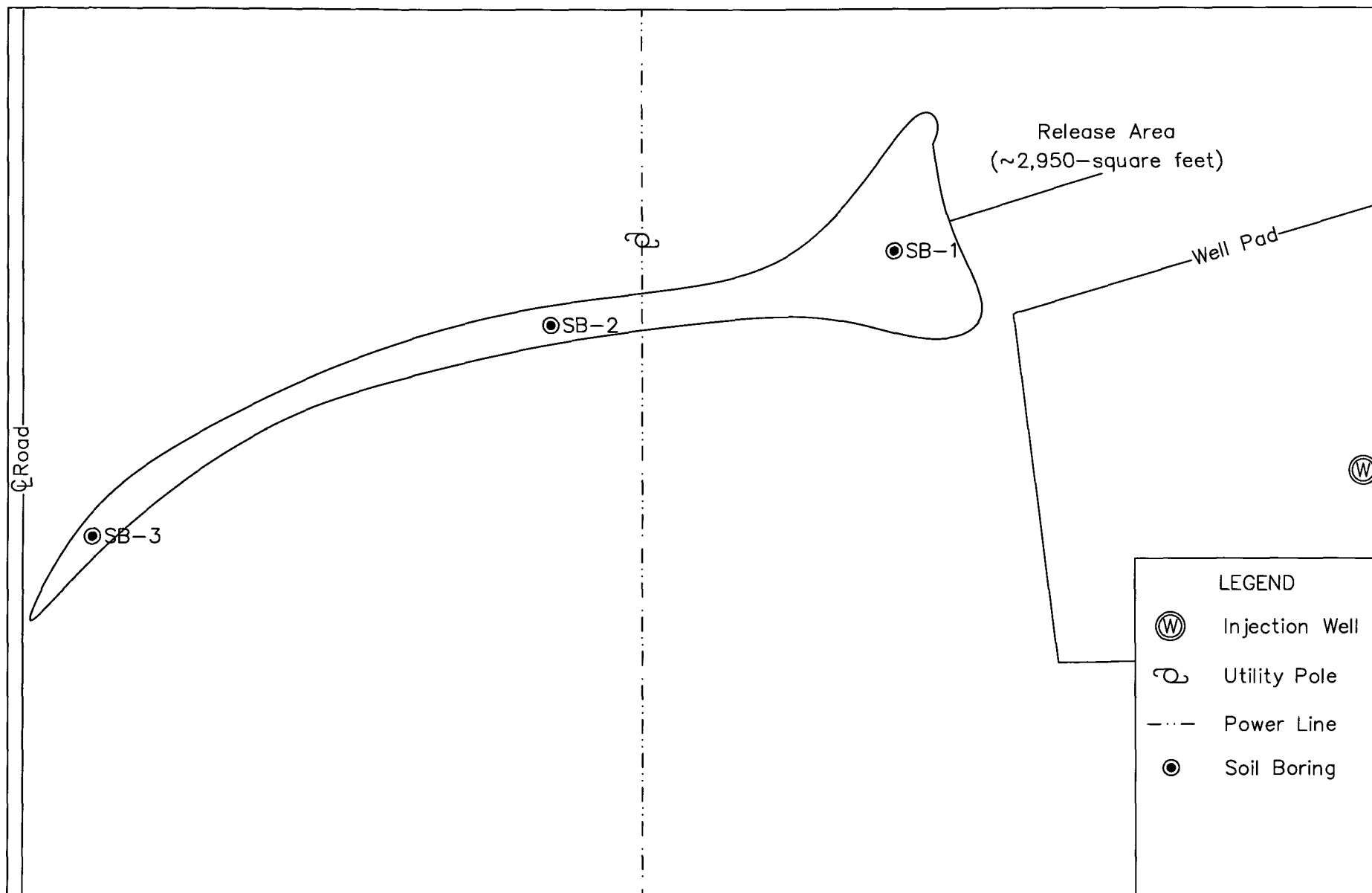
DWG By: Daniel Dominguez
January 2007

REVISED:



SHEET
1 of 1





LEGEND

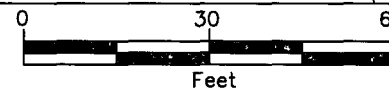
- Injection Well
- Utility Pole
- Power Line
- Soil Boring

Figure 5
Soil Boring Map
Chevron Corporation
WDDU #51

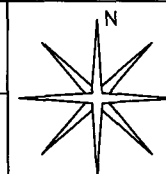
Lea County, New Mexico
SE 1/4 of the NE 1/4, Sec. 31, T24S, R38E
N 32° 10' 29.07" W 103° 05' 31.64"
Elevation: 3,145 feet amsl

DWG By: Daniel Dominguez
January 2007

REVISED:



SHEET
1 of 1



TABLES

TABLE 1
WELL INFORMATION REPORT*
Chevron USA - WDDU #51 (Ref #200108)

Ref. #	Well Number	Diversion ^A	Owner	Use	Twsp	Rng	Sec q q q	Latitude	Longitude	Date Measured	Surface Elevation ^B	Depth to Water (ft bgs)
1	CP 00069 DCL	0	OGALLALA SAND	DOM	24S	38E	31 3 4 2	N32° 09' 59 22"	W103° 06' 12 32"		3,094	
2	CP 00652 EXPL	3	EL PASO NATURAL GAS COMPANY	DOM	24S	37E	25 2	N32° 11' 17 51"	W103° 06' 58.34"	27-Jul-82	3,140	90
3	USGS #1				24S	38E	30 3 1 2			01-Mar-96	3,114	66 18
4	USGS #2				24S	38E	31 3 1 2			01-Mar-96	3,116	98.07
5	USGS #3				24S	38E	31 1 4 2			14-Jan-76	3,103	71 44
6	USGS #4				24S	38E	32 2 3 3			18-Mar-81	3,195	327.04
7	USGS #5				24S	38E	32 3 1 2			14-Jan-76	3,149	316.5
8	USGS #6				24S	38E	32 3 3 3			05-Mar-86	3,134	291.03
9	USGS #8				24S	37E	25 2 4 4			10-May-66	3,139	79 27
10	USGS #9				24S	37E	25 3 2 2			20-Oct-65	3,141	81.35R
11	USGS #10				24S	37E	25 4 3 4			06-May-66	3,132	86.16
12	USGS #11				24S	37E	25 4 4 4			20-Jun-78	3,128	91 64
13	USGS #12				24S	37E	25 2 3 4			06-Mar-96	3,147	88 74
14	USGS #13				24S	37E	25 4 2 2			26-Feb-68	3,133	93 84
15	USGS #14				24S	37E	36 2 2 1			12-May-66	3,128	90 2
16	USGS #15				24S	37E	36 2 2 2			22-May-91	3,127	98.49
17	USGS #16				24S	37E	36 2 2 3			12-May-66	3,125	91 95
18	USGS #17				24S	37E	36 2 2 4			12-May-66	3,124	92.5
19	USGS #18				24S	37E	36 4 2 1			11-Dec-70	3,119	100
20	USGS #19				25S	38E	5 2 2 2			10-Dec-70	3,143	93 46
21	USGS #20				25S	38E	6 1 2 2			10-Dec-70	3,094	76.47P
22	USGS #22				25S	38E	6 1 4 3			25-Feb-53	3,089	53.06
23	USGS #25				25S	37E	1 3 2 1			24-Mar-81	3,111	98 83
24	USGS #26				25S	37E	1 2 2 2			14-Feb-96	3,110	97.42
25	USGS #27				25S	37E	1 2 2 2			10-Dec-70	3,105	98.54
26	USGS #28				25S	37E	1 2 2 4			13-Jan-76	3,105	106 55S
27	USGS #29				25S	37E	1 2 2 4			20-Oct-65	3,105	85
28	USGS #30				25S	37E	1 2 2 4			13-Jan-76	3,105	107 76S
29	USGS #31				25S	37E	1 2 4 2			09-Jan-76	3,105	105 62S
30	USGS #32				25S	37E	1 4 2 2			01-Nov-77	3,105	104 25
31	USGS #7				24S	37E	25 2 2 2			12-Oct-77	3,140	69.62
32	USGS #21				25S	38E	6 3 3 3			07-Jan-76	3,103	111.14
33	USGS #23				25S	38E	6 3 3 2			07-Jan-76	3,085	94.92
34	USGS #24				25S	37E	1 3 1 1			11-Dec-70	3,114	111.46

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

^A = in acre feet per annum

^B = Interpolated from USGS Topographical Map

DOM = Domestic one household

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

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

Shaded area indicates wells not shown on Figure 2

Chevron USA
WDDU #51 (Ref.# 200108)

[illegible]

TABLE 2

Summary of Soil Boring Field Analyses and Laboratory Analytical Data

Chevron USA

WDDU #51 (Ref.# 200108)

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)	TPH (as gasoline) (mg/Kg)	TPH (as diesel) (mg/Kg)	Total TPH (mg/Kg)	Chloride (mg/Kg)	Sulfates (mg/Kg)
SB2-6 (25')	25	In situ	29-Jan-07	--	240	--	--	--	--	--	--	--	--	176	--
SB2-7 (30')	30	In situ	29-Jan-07	--	240	--	--	--	--	--	--	--	--	256	--
SB3-1 (2')	2	In situ	29-Jan-07	--	320	<0 002	<0 002	<0 002	<0 006	<0 012	<10 0	<10 0	<20 0	320	--
SB3-2 (5')	5	In situ	29-Jan-07	--	560	<0 002	<0 002	<0 002	<0 006	<0 012	<10 0	<10 0	<20 0	432	--
SB3-3 (10')	10	In situ	29-Jan-07	--	320	--	--	--	--	--	--	--	--	224	--
SB3-4 (15')	15	In situ	29-Jan-07	--	160	--	--	--	--	--	--	--	--	48	--
SB3-5 (20')	20	In situ	29-Jan-07	--	160	--	--	--	--	--	--	--	--	64	--
NMOCD Remedial Threshold Goals				100		10				50			5,000	250 ¹	600 ¹

BOLD values exceed NMOCD Remedial Threshold Goals¹ = Chloride and Sulphate residuals may not be capable of impacting groundwater above NMWQCC Groundwater Standards of 250 mg/Kg and 600 mg/Kg, respectively

-- = Not Analyzed



ATTACHMENTS

ATTACHMENT I
PROJECT PHOTOGRAPHS



Photograph No. 1 – Lease Sign



Photograph No. 2 – Looking westerly across release area



Photograph No. 3 – Looking westerly across release area



Photograph No. 4 – Looking easterly across release area toward injection well

ATTACHMENT II
LABORATORY ANALYTICAL REPORTS
AND
CHAIN-OF-CUSTODY FORM



ARDINAL LABORATORIES

PHONE (915) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

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

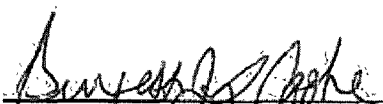
ANALYTICAL RESULTS FOR
ENVIRONMENTAL PLUS, INC.
ATTN: DAVID P. DUNCAN
P.O. BOX 1558
EUNICE, NM 88231
FAX TO: (505) 394-2601

Receiving Date: 01/30/07
Reporting Date: 02/01/07
Project Owner: CHEVRON USA
Project Name: WDDU #51 (200108)
Project Location: NOT GIVEN

Sampling Date: 01/26/07 & 01/29/07
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: AB
Analyzed By: BC/LB

LAB NO.	SAMPLE ID	GRO (C ₈ -C ₁₀) (mg/Kg)	DRO (>C ₁₀ -C ₂₈) (mg/Kg)	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)
ANALYSIS DATE:		02/01/07	02/01/07	01/31/07	01/31/07	01/31/07	01/31/07
H12113-1	SB-1 (2')	<10.0	<10.0	<0.002	<0.002	<0.002	<0.006
H12113-2	SB1-2 (5')	<10.0	<10.0	<0.002	<0.002	<0.002	<0.006
H12113-14	SB2-1 (2')	<10.0	<10.0	<0.002	<0.002	<0.002	<0.006
H12113-15	SB2-2 (5')	<10.0	<10.0	<0.002	<0.002	<0.002	<0.006
H12113-21	SB3-1 (2')	<10.0	<10.0	<0.002	<0.002	<0.002	<0.006
H12113-22	SB3-2 (5')	<10.0	<10.0	<0.002	<0.002	<0.002	<0.006
Quality Control		714	780	0.099	0.094	0.095	0.297
True Value QC		800	800	0.100	0.100	0.100	0.300
% Recovery		89.3	97.6	99.5	94.3	95.0	99.0
Relative Percent Difference		2.5	<0.1	3.4	3.3	15.5	6.2

METHODS: TPH GRO & DRO - EPA SW-846.8015 M; BTEX - SW-846.8260.


Burgess J. A. Cooke, Ph.D.

2/1/07
Date

H12113A

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



ARDINAL LABORATORIES

PHONE (915) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

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

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

Receiving Date: 01/30/07
Reporting Date: 02/02/07
Project Owner: CHEVRON USA (200108)
Project Name: WDDU #51
Project Location: NOT GIVEN

Analysis Date: 01/31/07
Sampling Date: 01/26/07
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: AB
Analyzed By: HM

LAB NO.	SAMPLE ID	Cl ⁻ (mg/Kg)
H12113-1	SB-1 (2')	1951
H12113-2	SB1-2 (5')	1248
H12113-3	SB-1-3 (10')	272
H12113-4	SB1-4 (15')	624
H12113-5	SB1-5 (20')	704
H12113-6	SB1-6 (25')	448
H12113-7	SB1-7 (30')	544
H12113-8	SB1-8 (35')	544
H12113-9	SB1-9 (40')	560
H12113-10	SB1-10 (45')	208
H12113-11	SB1-11 (50')	432
H12113-12	SB1-12 (55')	448
H12113-13	SB1-13 (61')	1647
Quality Control		500
True Value QC		500
% Recovery		100
Relative Percent Difference		0.0

METHOD: Standard Methods

4500-Cl⁻B

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


Chemist

02-02-07
Date

H12113

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



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PHONE (915) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

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

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

Receiving Date: 01/30/07
Reporting Date: 02/02/07
Project Owner: CHEVRON USA (200108)
Project Name: WDDU #51
Project Location: NOT GIVEN

Analysis Date: 01/31/07
Sampling Date: 01/29/07
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: AB
Analyzed By: HM

LAB NO.	SAMPLE ID	Cl ⁻ (mg/Kg)
H12113-14	SB2-1 (2')	400
H12113-15	SB2-2 (5')	512
H12113-16	SB2-3 (10')	336
H12113-17	SB2-4 (15')	368
H12113-18	SB2-5 (20')	240
H12113-19	SB2-6 (25')	176
H12113-20	SB2-7 (30')	256
H12113-21	SB3-1 (2')	320
H12113-22	SB3-2 (5')	432
H12113-23	SB3-3 (10')	224
H12113-24	SB3-4 (15')	48
H12113-25	SB3-4 (20')	64
	Quality Control	500
	True Value QC	500
	% Recovery	100
	Relative Percent Difference	0.0

METHOD: Standard Methods	4500-Cl ⁻ B
--------------------------	------------------------

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

[Signature]
Chemist

02-02-07
Date

H12113A

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Cardinal Laboratories Inc.

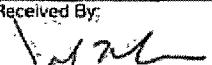
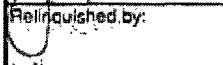
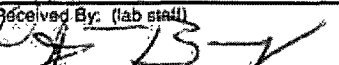
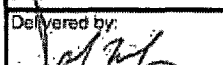
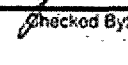
101 East Marland, Hobbs, NM 88240

505-393-2326 Fax 505-393-2476

2111 Beechwood, Abilene, TX 79603

915-673-7001 Fax 915-673-7020

Company Name		Environmental Plus, Inc.		Bill To		ANALYSIS REQUEST																									
EPI Project Manager		David P. Duncan		 Attention: Mr. Ricky Heredia P.O. Drawer 29 Andrews, Texas 79714																											
Billing Address		P.O. BOX 1558																													
City, State, Zip		Eunice New Mexico 88231																													
EPI Phone#/Fax#		505-394-3481 / 505-394-2601																													
Client Company		Chevron USA																													
Facility Name		WDDU #51																													
Project Reference		200108																													
EPI Sampler Name		George Blackburn																													
LAB I.D.	SAMPLE I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.			SAMPLING		BTEX 8021B	TPH 8015M	CHLORIDES (Cl ⁻)	SULFATES (SO ₄ ²⁻)	PH	TCLP	OTHER >>>										
				GROUND WATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER	ACID/BASE	ICE/COOL	OTHER	DATE	TIME																	
H17113	-1	SB-1 (2')	G 1			X					X		1/26/07	8:50	X	X	X														
	-2	SB1-2 (5')	G 1			X					X		1/26/07	8:59	X	X	X														
	-3	SB-1-3 (10')	G 1			X					X		1/26/07	9:15			X														
	-4	SB1-4 (15')	G 1			X					X		1/26/07	9:31			X														
	-5	SB1-5 (20')	G 1			X					X		1/26/01	9:51			X														
	-6	SB1-6 (25')	G 1			X					X		1/26/07	10:11			X														
	-7	SB1-7 (30')	G 1			X					X		1/26/07	10:45			X														
	-8	SB1-8 (35')	G 1			X					X		1/26/07	11:21			X														
	-9	SB1-9 (40')	G 1			X					X		1/26/07	12:01			X														
	-10	SB1-10 (45')	G 1			X					X		1/26/07	12:10			X														

Sampler Relinquished:		1/15/2007		Received By:		Email Results To: David P. Duncan at dduncan@envplus.net	
		Time 15:50				REMARKS:	
Relinquished by:		Date 1-30-07		Received By: (lab staff)			
		Time					
Delivered by:		Sample Cool & Intact		Checked By:			
		Yes No					

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2111 Beechwood, Abilene, TX 79603
915-673-7001 Fax 915-673-7020

Company Name		Environmental Plus, Inc.		Bill To		ANALYSIS REQUEST															
EPI Project Manager		David P. Duncan		 Attention: Mr. Ricky Heredia P.O. Drawer 29 Andrews, Texas 79714																	
Billing Address		P.O. BOX 1558																			
City, State, Zip		Eunice New Mexico 88231																			
EPI Phone#/Fax#		505-394-3481 / 505-394-2601																			
Client Company		Chevron USA																			
Facility Name		WDDU #51																			
Project Reference		200108																			
EPI Sampler Name		George Blackburn																			
LAB I.D.	SAMPLE I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.		SAMPLING		BTX 8021B	TPH 8015M	CHLORIDES (Cl)	SULFATES (SO ₄)	PH	TCLP	OTHER >>>	
				GROUND WATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER	ACID/BASE	ICE/COOL	OTHER	DATE								TIME
H12113	1	G	1			X					X		1/26/07	13:09			X				
	2	G	1			X					X		1/26/07	13:38			X				
	3	G	1			X					X		1/26/07	15:00			X				
	4	G	1			X					X		1/29/07	8:15	X	X	X				
	5	G	1			X					X		1/29/07	8:20	X	X	X				
	6	G	1			X					X		1/29/07	8:30			X				
	7	G	1			X					X		1/29/07	9:00			X				
	8	G	1			X					X		1/29/07	9:40			X				
	9	G	1			X					X		1/29/07	10:28			X				
	10	G	1			X					X		1/29/07	11:22			X				
Sampler Relinquished:		1/15/2007		Received By:		Email Results To: David P. Duncan at dduncan@envplus.net REMARKS:															
Relinquished by:		Time 15:50		Received By: (lab staff)																	
Delivered by:		Time		Checked By:																	
				Sample Cool & Intact																	
				Yes No																	

Cardinal Laboratories Inc.

101 East Marland, Hobbs, NM 88240
505-393-2326 Fax: 505-393-2476

2111 Beechwood, Abilene, TX 79603
915-673-7001 Fax: 915-673-7020

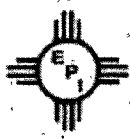
Company Name: Environmental Plus, Inc.		Bill To		ANALYSIS REQUEST																														
EPI Project Manager: David P. Duncan		 Attention: Mr. Ricky Heredia P.O. Drawer 29 Andrews, Texas 79714																																
Billing Address: P.O. BOX 1558																																		
City, State, Zip: Eunice New Mexico 88231																																		
EPI Phone#/Fax#: 505-394-3481 / 505-394-2601																																		
Client Company: Chevron USA																																		
Facility Name: WDDU #51																																		
Project Reference: 200108																																		
EPI Sampler Name: George Blackburn																																		
LAB I.D.	SAMPLE I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.		SAMPLING		BTEX 8021B	TPH 8015M	CHLORIDES (Cl ⁻)	SULFATES (SO ₄ ²⁻)	pH	TCLP	OTHER >>>														
				GROUND WATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER	ACID/BASE	ICE/COOL	OTHER	DATE														TIME							
417113 -21	SB3-1 (2')	G	1			X					X		1/29/07	12:10	X	X	X																	
-22	SB3-2 (5')	G	1			X					X		1/29/07	12:19	X	X	X																	
-23	SB3-3 (10')	G	1			X					X		1/29/07	12:25			X																	
-24	SB3-4 (15')	G	1			X					X		1/29/07	12:55			X																	
-25	SB3-4 (20')	G	1			X					X		1/29/07	13:45			X																	
6																																		
7																																		
8																																		
9																																		
10																																		

Sampler Relinquished:		1/15/2007		Received By:		Email Results To: David P. Duncan at dduncan@envplus.net	
Time: 15:52		Date:		Received By: (lab staff)			
Relinquished by:		Time:					
Delivered by:		Sample Cool & Intact		Checked By:			
		Yes		No			

**ATTACHMENT III
SOIL BORING LOGS**

Log Of Test Borings

(NOTE - Page 1 of 2)



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

Project Number: 2000108

Project Name: Chevron - WDDU #51

Location: UL-H, Section 31, Township 24 South, Range 38 East

Boring Number: SB-1

Surface Elevation: 2,950-feet amsl

Time	Sample Type	Recovery (inches)	Moisture	PID Readings (ppm)	Chloride Analysis (mg/Kg)	U.S.C.S. Symbol	Depth (feet)	Start Date: 1-26-07 Time: 0845 hrs Completion Date: 1-26-07 Time: 1630 hrs Description
0850	DC		little		1,400			Top Soil, brown
0859	SS	8	no		1,520		5	5' CALICHE
0915	SS	8	little		400		10	10' CALICHE/Sand SAND, brown
0931	SS	8	damp		720		15	15' TAN SANDSTONE/Reddish Sand - soft
0951	SS	8	damp		960		20	20' TAN SANDSTONE/Reddish Sand - soft
1011	SS	8	damp		540		25	25' TAN SANDSTONE/Reddish Sand - soft
1045	SS	8	damp		840		30	30' TAN SANDSTONE/Reddish Sand - soft
1121	SS	8	yes		800		35	35' SANDSTONE - soft

(NOTE - Page 2 of 2)



Project Number: 2000108

Project Name: Chevron - WDDU #51

Location: UL-H, Section 31, Township 24 South, Range 38 East

Boring Number: SB-1

Surface Elevation: 2,950-feet amsl

Time	Sample Type	Recovery (inches)	Moiature	PID Readings (ppm)	Chloride Analysis (mg/Kg)	U.S.C.S. Symbol	Depth (feet)	Start Date: 1-26-07 Completion Date: 1-26-07	Time: 0845 hrs Time: 1630 hrs
								Description	
1201	SS	8	damp		800		40	40' SAND, Reddish	
1210	DC	8	damp		400		45	45' SAND, Reddish	
1304	SS	8	damp		720		50	50' SAND, Reddish	
1338	DC	8	damp		600		55	55' SAND, Reddish	
1500	SS	8	very moist		880		60	60' CLAY, Silty, very moist	
							▽ 62	End of Soil Boring at 62' bgs	
							65		
Water Level Measurements (feet)								Drilling Method:	Auger
Date	Time	Sample Depth	Casing Depth	Cave-in Depth	Water Level			Backfill Method:	Bentonite
-	-	-	-	-	-				
-	-	-	-	-	-			Field Representative:	GB

Log Of Test Borings

(NOTE - Page 1 of 1)



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

Project Number: 2000108

Project Name: Chevron - WDDU #51

Location: UL-H, Section 31, Township 24 South, Range 38 East

Boring Number: SB-2

Surface Elevation: 2,950-feet amsl

Time	Sample Type	Recovery (inches)	Moisture	PID Readings (ppm)	Chloride Analysis (mg/kg)	U.S.C.S. Symbol	Depth (feet)	Start Date: 1-29-07 Time: 0800 hrs	Completion Date: 1-29-07 Time: 1145 hrs	Description			
0815	DC		little		400					Top Soil, brown Caliche			
							5			5' CALICHE/Sand, tan			
0820	SS	8	no		480								
							10			10' SAND, brown			
0830	SS	8	little		320								
							15			15' SAND, brown			
0900	SS	8	little		400								
							20			20' SAND, brown			
0940	SS	8	little		320								
							25			25' SANDSTONE, tan/Sand, brown - soft			
1028	SS	8	little		240								
							30			30' SANDSTONE, tan - soft			
1122	SS	8	very little		240					End of Soil Boring at 30' bgs			
Water Level Measurements (feet)								Drilling Method: Auger					
Date	Time	Sample Depth	Casing Depth	Cave-in Depth	Water Level	Backfill Method: Bentonite							
-	-	-	-	-	-	Field Representative: GB							
-	-	-	-	-	-								

**ATTACHMENT IV
INFORMATION AND METRICS
AND
COPY OF INITIAL NMOCD FORM C-141**



Incident Date:
6 September 2006

NMOCD Notified:
6 September 2006

Information and Metrics

Site: WDDU #51		Assigned Site Reference : #200108	
Company: Chevron			
Street Address:			
Mailing Address: P.O. Box 29			
City, State, Zip: Andrews, Texas 79714			
Representative: Ricky Heredia			
Representative Telephone: (432) 523-3655			
Telephone:			
Fluid volume released (bbls): 20 bbls		Recovered (bbls): 18 bbls	
>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: WDDU #51			
Source of contamination: steel injection line			
Land Owner, i.e., BLM, ST, Fee, Other: Mr. George Willis			
LSP Dimensions: 49.7 feet by 226.7 feet			
LSP Area: ~2,950 ft ²			
Location of Reference Point (RP):			
Location distance and direction from RP:			
Latitude: N 32° 10' 29.07"			
Longitude: W 103° 05' 31.64"			
Elevation above mean sea level: 3,145 feet			
Feet from North Section Line:			
Feet from West Section Line:			
Location- Unit or ¼: SE¼ of the NE¼		Unit Letter: H	
Location- Section: 31			
Location- Township: T24S			
Location- Range: R38E			
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): ~196 feet			
Depth of contamination (DC): ~61 feet			
Depth to groundwater (DG - DC = DtGW): ~135 feet			
1. Groundwater		2. Wellhead Protection Area	
If Depth to GW <50 feet: 20 points		If <1000' from water source, or, <200' from private domestic water source: 20 points	
If Depth to GW 50 to 99 feet: 10 points		If >1000' from water source, or, >200' from private domestic water source: 0 points	
If Depth to GW >100 feet: 0 points			
Site Rank (1+2+3) = 0 + 0 + 0 = 0		3. Distance to Surface Water Body	
		<200 horizontal feet: 20 points	
		200-1000 horizontal feet: 10 points	
		>1000 horizontal feet: 0 points	
Total Site Ranking Score and Acceptable Concentrations			
Site Ranking	>19	10-19	0-9
Benzene ¹	10 ppm	10 ppm	10 ppm
BTEX ¹	50 ppm	50 ppm	50 ppm
TPH	100 ppm	1,000 ppm	5,000 ppm

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