



**REVIEWED**

By Kellie Jones at 2:35 pm, Jan 19, 2016

ENVIRONMENTAL PLUS, INC.  
CONSULTING AND ENVIRONMENTAL REMEDIATION

30 November 2015

**APPROVED**

By Kellie Jones at 2:36 pm, Jan 19, 2016

Ms. Kellie Jones  
Environmental Specialist  
NMOCD  
1625 North French Drive  
Hobbs, New Mexico 88240

RE: Final Closure Report  
Chevron – WDDU #42  
UL-A, Section 32, Township 24 South, Range 38 East  
Lea County, New Mexico  
NMOCD Reference # 1RP-3535

Ms. Jones:

The following *Final Closure Report* serves as a condensed update on closure activities undertaken for the above referenced Site.

**Background Information:**

Spill was due to crack in nipple on B1 Hanger. Spill area was around the well head and then 600 ft down the road. Vacuum Truck was called out to vacuum up standing fluids; recovered 5 bbls of fluids and cleaned up the area.

**Remediation Activities:**

On February 23, 2015 EPI personnel mobilized at the site to excavate the release area approximately one (1) foot bgs. Contaminated material was excavated and transported to a state approved facility for disposal.

On March 12, 2015 five (5) soil samples were collected from five (5) sample locations; SS#1 – SS#5. All samples were sent to Cardinal Labs in Hobbs, New Mexico for testing. Laboratory analytical results indicate the excavated area is void of Benzene, BTEX and TPH concentrations in excess of NMOCD Recommended Remedial Action Levels (RRALs) of 10 mg/Kg, 50 mg/Kg, and 5,000 mg/Kg, respectively. Chloride concentrations exceeded NMOCD RRALs of 1,000 mg/Kg in every sample except SS#4 (reference *Figure 3* and *Table 2*).

On April 16, 2015 an additional fifteen (15) soil samples were collected at various depths from five (5) sample locations, SP1 – SP5, in order to determine the vertical extent of Chloride contamination. All samples were sent to Cardinal Labs in Hobbs, New Mexico for testing. Laboratory analytical results indicate Chloride concentrations exceed NMOCD RRALs of 1,000 mg/Kg to a depth of four (4) feet bgs in the area of SP1 and SP5; to a depth of eight (8) feet bgs in the area of SP2; to a depth of one (1) foot bgs in the area of SP3 and SP4 (reference *Figure 4* and *Table 2*).

Based on laboratory analytical results the excavation was deepened to approximately four (4)

feet bgs in an attempt to remove Chloride impacted soil above NMOCD RRALs. To date approximately 1,612 cubic yards of contaminated soil have been excavated and hauled to a state approved facility for disposal.

On August 3, 2015 eight (8) soil samples were collected from eight (8) sample locations throughout the excavated area; SP1 – SP8. All samples were sent to Cardinal Labs in Hobbs, New Mexico for testing. Laboratory analytical results indicate Chloride concentrations exceed NMOCD RRALs in all but three (3) samples (reference *Figure 5* and *Table 2*).

**Closure Activities:**

The excavated area on the lease road between the excavations has been backfilled with clean caliche and a twenty (20) mil thick polyethylene liner has been installed in the bottom of the north and south excavations (reference *Figure 6*). The polyethylene liner has been placed on a one (1) foot thick layer of clean soil. Remainder of the excavations has been backfilled with selected clean soil to finish grade; soil is free of deleterious material or rocks or large clumps.

Backfilling continued until the entire excavation was closed. The excavation has been backfilled with approximately 1,612 cubic yards of clean soil. Upon completion of backfill activities, the entire disturbed area was contoured to blend with existing lease road, pad location, and pasture area and protected against wind/water erosion.

Should you have any questions or concerns please feel free to contact me at (575) 394-3481 or via e-mail at [ddominguezepi@gmail.com](mailto:ddominguezepi@gmail.com) or Mr. Nick Hampton at (575) 704-3143 or via e-mail at [cikb@chevron.com](mailto:cikb@chevron.com). All official communication should be addressed to:

Mr. Nick Hampton  
Chevron N.A. Exploration Production Co.  
56 Texas Camp Road  
Lovington, NM 88260

Sincerely,

ENVIRONMENTAL PLUS, INC.

Daniel Dominguez  
Environmental Consultant

cc: Nick Hampton, HE Specialist – Chevron  
File

Encl.: Figure 1 – Area Map  
Figure 2 – Site Location Map  
Figure 3 – 3/12 Sample Map  
Figure 4 – 4/16 Sample Map  
Figure 5 – 8/3 Sample Map  
Figure 6 – Liner Location  
Table 1 – Well Data  
Table 2 – Summary of Soil Sample Field Testing and Laboratory Analytical Results  
Attachment I – Photographs  
Attachment II – Laboratory Analytical Results  
Attachment III – Copy of Initial NMOCD Form C-141, Final NMOCD Form C-141

## FIGURES

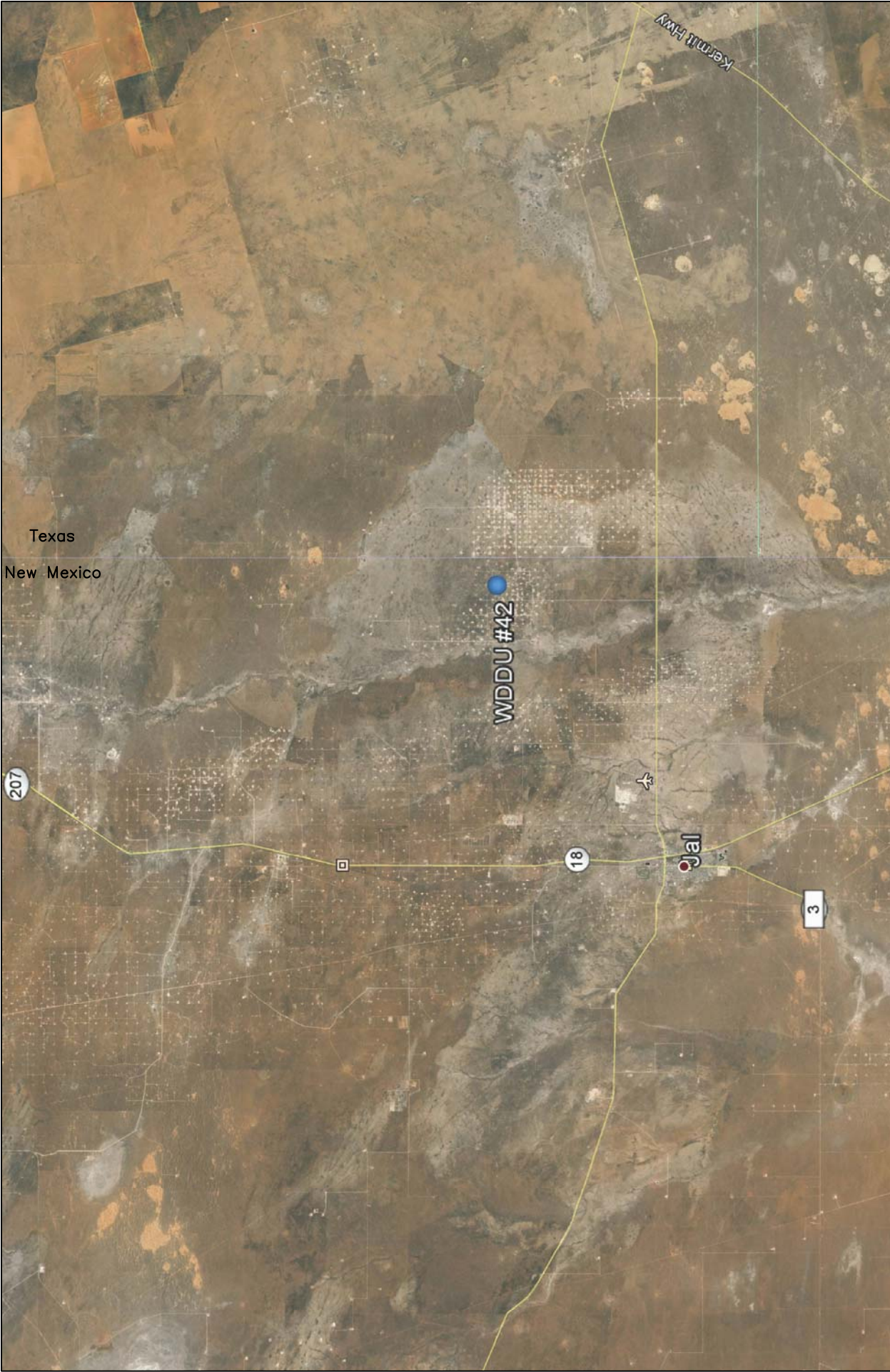


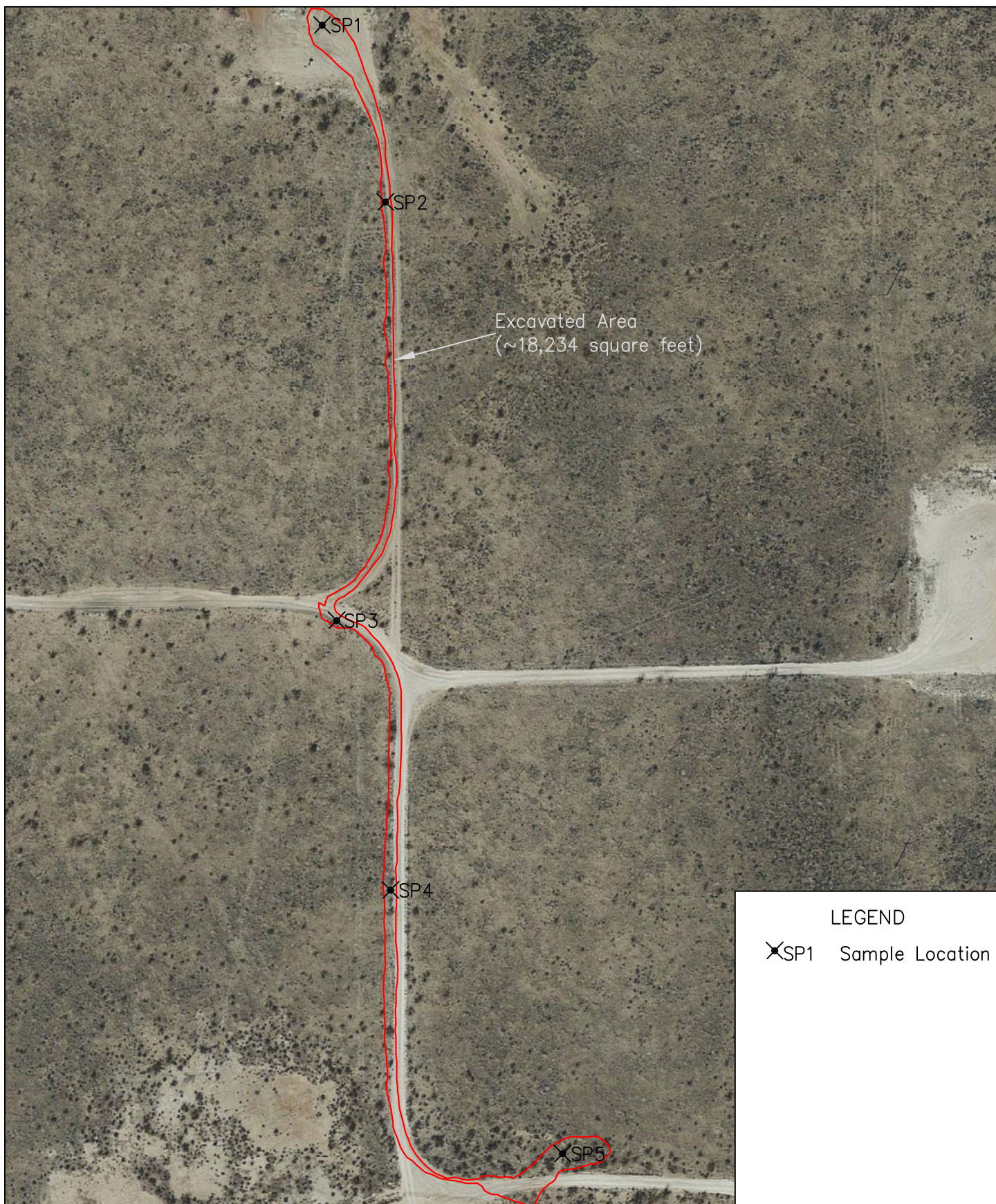
Figure 1 Area Map Chevron WDDU #42	Lea County, New Mexico NE 1/4 of NE 1/4, Sec. 32, T24S, R38E N 32° 10' 44.36" W 103° 4' 32.23" Elevation: 3,209 feet amsl		DWG By: D Dominguez August 2015		REVISED:	
			0 3 6 Miles		SHEET 1 of 1	

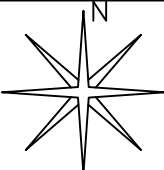




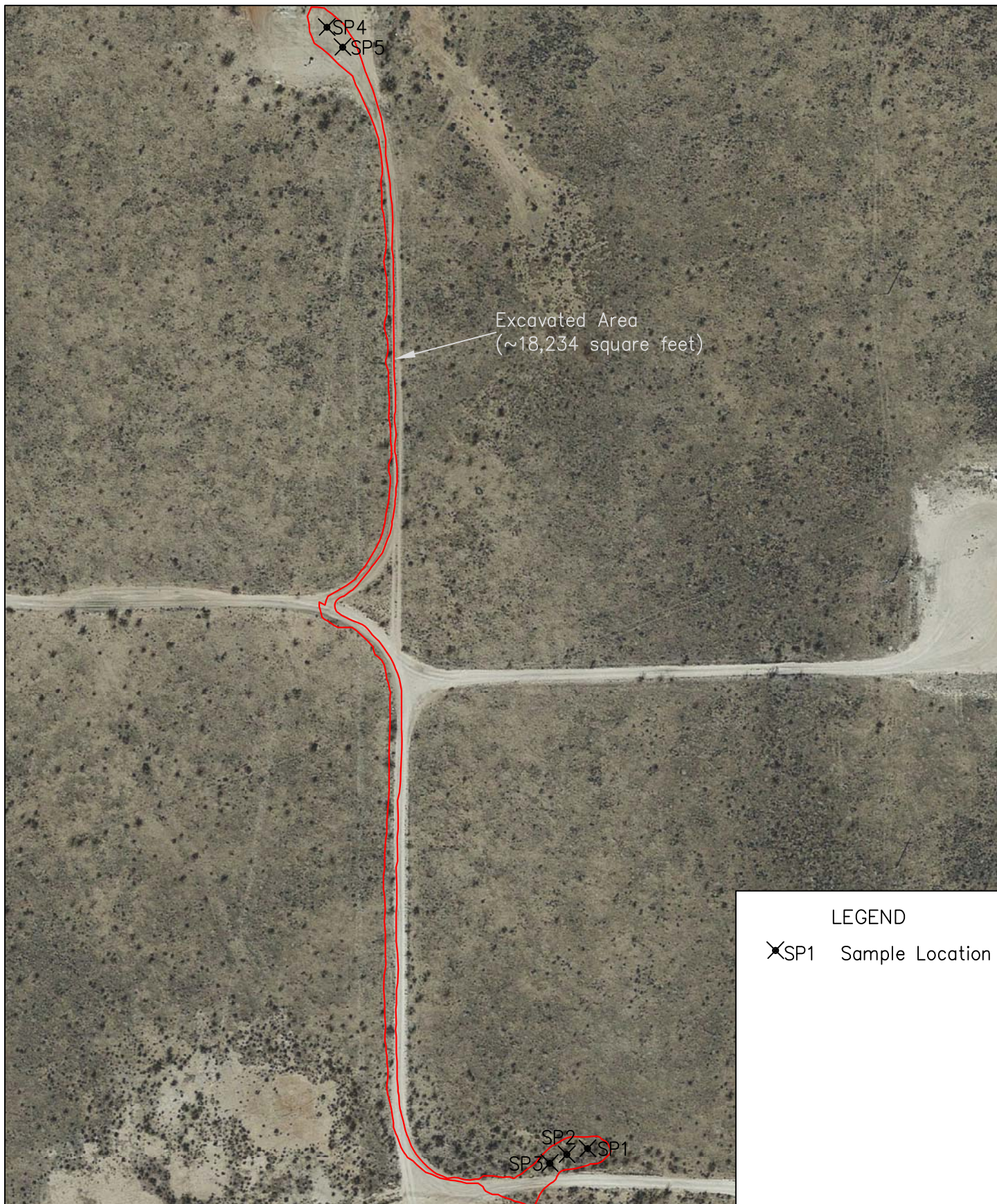
Figure 2 Site Location Map Chevron WDDU #42	Lea County, New Mexico NE 1/4 of NE 1/4, Sec. 32, T24S, R38E N 32° 10' 44.36" W 103° 4' 32.23" Elevation: 3,209 feet amsl		DWG By: D Dominguez August 2015		REVISD:	N 
			0 2,000 4,000  Feet	4,000 SHEET 1 of 1		

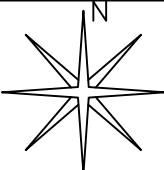




<p>Figure 3 3/12 Sample Map Chevron WDDU #42</p>	<p>Lea County, New Mexico NE 1/4 of NE 1/4, Sec. 32, T24S, R38E N 32° 10' 44.36" W 103° 4' 32.23" Elevation: 3,209 feet amsl</p>	<p>DWG By: D Dominguez August 2015 SHEET 1 of 1</p>	<p>REVISED:</p>	
		<p>0 200 400 Feet</p>		





<p>Figure 4 4/16 Sample Map Chevron WDDU #42</p>	<p>Lea County, New Mexico NE 1/4 of NE 1/4, Sec. 32, T24S, R38E N 32° 10' 44.36" W 103° 4' 32.23" Elevation: 3,209 feet amsl</p>	<p>DWG By: D Dominguez August 2015 SHEET 1 of 1</p>	<p>REVISED:</p>	
		<p>0 200 400 Feet</p>		



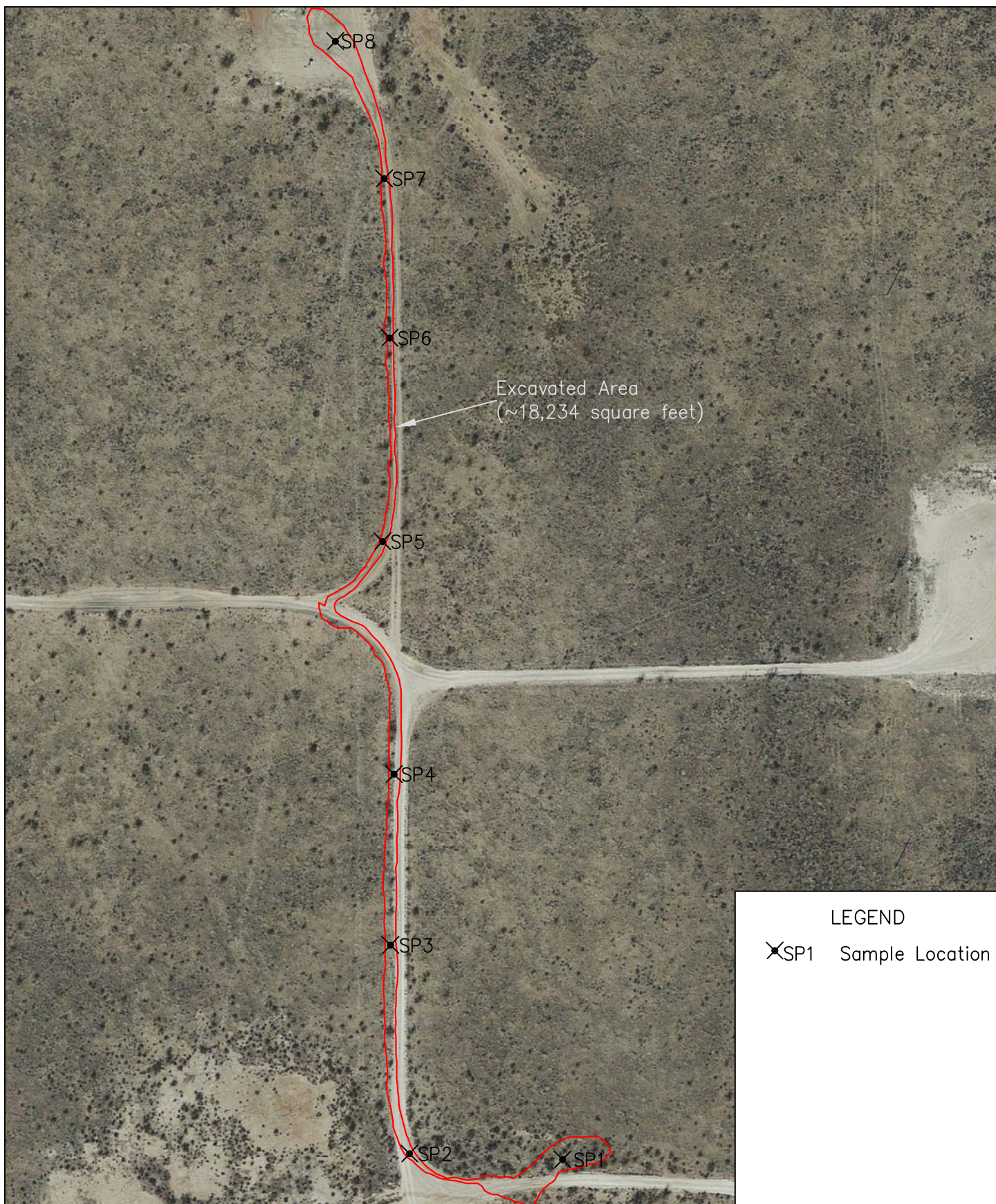
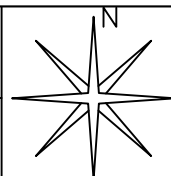
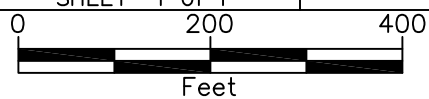


Figure 5  
8/3 Sample Map  
Chevron  
WDDU #42

Lea County, New Mexico  
NE 1/4 of NE 1/4, Sec. 32, T24S, R38E  
N 32° 10' 44.36" W 103° 4' 32.23"  
Elevation: 3,209 feet amsl

DWG By: D Dominguez  
August 2015  
SHEET 1 of 1

REVISED:







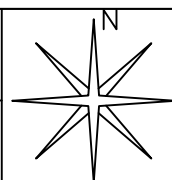
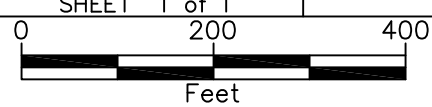
LEGEND

Figure 6  
Liner Location  
Chevron  
WDDU #42

Lea County, New Mexico  
NE 1/4 of NE 1/4, Sec. 32, T24S, R38E  
N 32° 10' 44.36" W 103° 4' 32.23"  
Elevation: 3,209 feet amsl

DWG By: D Dominguez  
August 2015  
SHEET 1 of 1

REVISED:





## **TABLES**

**TABLE 1**

**Well Data**

**Chevron - WDDU #42**

Ref #	Well Number	Use	Diversion <sup>A</sup>	Owner	q64	q16	q4	Sec	Twsp	Rng	Easting	Northing	Date Measured	Surface Elevation <sup>B</sup>	Depth to Water (ft bgs)
1	CP 00069	PMH	0	SKELLY OIL COMPANY	2	4	3	31	24S	38E	679087	3560776	--	3,112	--

\* = Data obtained from the New Mexico Office of the State Engineer Website ([http://iwaters.ose.state.nm.us:7001/iWATERS/wr\\_RegisServlet1](http://iwaters.ose.state.nm.us:7001/iWATERS/wr_RegisServlet1)) and USGS Database

<sup>A</sup> = In acre feet per annum

<sup>B</sup> = Elevation interpolated from USGS topographical map based on referenced location.

PMH = Non 72-12-1 Multiple household use

quarters are 1=NW, 2=NE, 3=SW, 4=SE; quarters are smallest to biggest



**TABLE 2**  
**Summary of Soil Sample Field Testing and Laboratory Analytical Results**  
**Chevron - WDDU #42**

Sample ID	Depth (feet)	Soil Status	Sample Date	PID Reading (ppm)	Field Chloride (mg/Kg)	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Total Xylenes (mg/Kg)	Total BTEX (mg/Kg)	GRO C6-C10 (mg/Kg)	DRO C10-C28 (mg/Kg)	Total TPH (mg/Kg)	Chloride (mg/Kg)
SS #1	1	Excavated	12-Mar-15	--	--	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<20.0	<b>5,440</b>
SS #2	1	Excavated	12-Mar-15	--	--	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	14.7	14.7	<b>3,240</b>
SS #3	1	Excavated	12-Mar-15	--	--	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<20.0	<b>3,480</b>
SS #4	1	Excavated	12-Mar-15	--	--	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<20.0	608
SS #5	1	Excavated	12-Mar-15	--	--	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<20.0	<b>1,470</b>
SP1	Surface	Excavated	16-Apr-15	--	2,240	--	--	--	--	--	--	--	--	<b>1,760</b>
	4	Excavated	16-Apr-15	--	1,200	--	--	--	--	--	--	--	--	<b>1,700</b>
	6	In-Situ	16-Apr-15	--	640	--	--	--	--	--	--	--	--	624
	8	In-Situ	16-Apr-15	--	480	--	--	--	--	--	--	--	--	816
SP2	Surface	Excavated	16-Apr-15	--	604	--	--	--	--	--	--	--	--	608
	8	In-Situ	16-Apr-15	--	1,200	--	--	--	--	--	--	--	--	<b>1,010</b>
SP3	Surface	Excavated	16-Apr-15	--	800	--	--	--	--	--	--	--	--	<b>1,470</b>
	5	In-Situ	16-Apr-15	--	240	--	--	--	--	--	--	--	--	160
SP4	Surface	Excavated	16-Apr-15	--	960	--	--	--	--	--	--	--	--	<b>3,440</b>
	5	In-Situ	16-Apr-15	--	560	--	--	--	--	--	--	--	--	576
	8	In-Situ	16-Apr-15	--	400	--	--	--	--	--	--	--	--	288

**TABLE 2**  
**Summary of Soil Sample Field Testing and Laboratory Analytical Results**  
**Chevron - WDDU #42**

Sample ID	Depth (feet)	Soil Status	Sample Date	PID Reading (ppm)	Field Chloride (mg/Kg)	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Total Xylenes (mg/Kg)	Total BTEX (mg/Kg)	GRO C6-C10 (mg/Kg)	DRO C10-C28 (mg/Kg)	Total TPH (mg/Kg)	Chloride (mg/Kg)
SP5	Surface	Excavated	16-Apr-15	--	2,240	--	--	--	--	--	--	--	--	976
	4	Excavated	16-Apr-15	--	1,600	--	--	--	--	--	--	--	--	<b>1,800</b>
	6	In-Situ	16-Apr-15	--	1,520	--	--	--	--	--	--	--	--	496
	8	In-Situ	16-Apr-15	--	80	--	--	--	--	--	--	--	--	256
SP1	4	In-Situ	03-Aug-15	--	--	--	--	--	--	--	--	--	--	<b>2,160</b>
SP2	4	In-Situ	03-Aug-15	--	--	--	--	--	--	--	--	--	--	176
SP3	4	In-Situ	03-Aug-15	--	--	--	--	--	--	--	--	--	--	672
SP4	4	In-Situ	03-Aug-15	--	--	--	--	--	--	--	--	--	--	<b>1,340</b>
SP5	4	In-Situ	03-Aug-15	--	--	--	--	--	--	--	--	--	--	688
SP6	4	In-Situ	03-Aug-15	--	--	--	--	--	--	--	--	--	--	<b>1,380</b>
SP7	4	In-Situ	03-Aug-15	--	--	--	--	--	--	--	--	--	--	<b>1,340</b>
SP8	4	In-Situ	03-Aug-15	--	--	--	--	--	--	--	--	--	--	<b>5,280</b>
NMOCD Recommended Remedial Action Levels				100		10				50			5,000	1,000

-- = Not Analyzed  
**Bold** values are in excess of NMOCD Recommended Remedial Action Levels



## **ATTACHMENTS**

**ATTACHMENT I**  
**Photographs**



Photograph #1 – Looking across north excavation



Photograph #2 – Looking across north excavation





Photograph #3 – Looking south across excavation in road



Photograph #4 – Looking south across excavation in road





Photograph #5 – Looking across south excavation



Photograph #6 – Looking across south excavation



Photograph #7 – North liner installation and backfill



Photograph #8 – Backfilled





Photograph #9 – Backfilled



Photograph #10 – Backfilled



Photograph #11 – Backfilled



Photograph #12 – South liner installation and backfill

**ATTACHMENT II**  
**Laboratory Analytical Results**



March 16, 2015

EDEM SEDEDJI

CHEVRON - ANDREWS

P. O. DRAWAER 29

ANDREWS, TX 79714

RE: SOIL SAMPLES

Enclosed are the results of analyses for samples received by the laboratory on 03/12/15 15:50.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Celey D. Keene

Lab Director/Quality Manager

**Analytical Results For:**

CHEVRON - ANDREWS  
EDEM SEDEDJI  
P. O. DRAWAER 29  
ANDREWS TX, 79714  
Fax To: EXT 3

Received: 03/12/2015  
Reported: 03/16/2015  
Project Name: SOIL SAMPLES  
Project Number: NONE GIVEN  
Project Location: WDDU 42

Sampling Date: 03/12/2015  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SS #1 (H500678-01)**

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/13/2015	ND	2.17	109	2.00	1.98	
Toluene*	<0.050	0.050	03/13/2015	ND	1.97	98.6	2.00	1.60	
Ethylbenzene*	<0.050	0.050	03/13/2015	ND	1.90	94.8	2.00	1.87	
Total Xylenes*	<0.150	0.150	03/13/2015	ND	5.61	93.5	6.00	2.80	
Total BTEX	<0.300	0.300	03/13/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5440	16.0	03/16/2015	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/13/2015	ND	194	97.1	200	1.08	
DRO >C10-C28	<10.0	10.0	03/13/2015	ND	199	99.7	200	3.45	

Surrogate: 1-Chlorooctane 91.8 % 47.2-157

Surrogate: 1-Chlorooctadecane 101 % 52.1-176

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



**Analytical Results For:**

CHEVRON - ANDREWS  
EDEM SEDEDJI  
P. O. DRAWAER 29  
ANDREWS TX, 79714  
Fax To: EXT 3

Received: 03/12/2015  
Reported: 03/16/2015  
Project Name: SOIL SAMPLES  
Project Number: NONE GIVEN  
Project Location: WDDU 42

Sampling Date: 03/12/2015  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SS #2 (H500678-02)**

BTEx 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/13/2015	ND	2.17	109	2.00	1.98	
Toluene*	<0.050	0.050	03/13/2015	ND	1.97	98.6	2.00	1.60	
Ethylbenzene*	<0.050	0.050	03/13/2015	ND	1.90	94.8	2.00	1.87	
Total Xylenes*	<0.150	0.150	03/13/2015	ND	5.61	93.5	6.00	2.80	
Total BTEx	<0.300	0.300	03/13/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 61-154

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3240	16.0	03/16/2015	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/13/2015	ND	194	97.1	200	1.08	
DRO >C10-C28	14.7	10.0	03/13/2015	ND	199	99.7	200	3.45	

Surrogate: 1-Chlorooctane 90.2 % 47.2-157

Surrogate: 1-Chlorooctadecane 101 % 52.1-176

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

CHEVRON - ANDREWS  
EDEM SEDEDJI  
P. O. DRAWAER 29  
ANDREWS TX, 79714  
Fax To: EXT 3

Received: 03/12/2015  
Reported: 03/16/2015  
Project Name: SOIL SAMPLES  
Project Number: NONE GIVEN  
Project Location: WDDU 42

Sampling Date: 03/12/2015  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SS #3 (H500678-03)**

BTEx 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/13/2015	ND	2.17	109	2.00	1.98	
Toluene*	<0.050	0.050	03/13/2015	ND	1.97	98.6	2.00	1.60	
Ethylbenzene*	<0.050	0.050	03/13/2015	ND	1.90	94.8	2.00	1.87	
Total Xylenes*	<0.150	0.150	03/13/2015	ND	5.61	93.5	6.00	2.80	
Total BTEx	<0.300	0.300	03/13/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 61-154

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3480	16.0	03/16/2015	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/13/2015	ND	181	90.5	200	7.78	
DRO >C10-C28	<10.0	10.0	03/13/2015	ND	175	87.3	200	15.9	

Surrogate: 1-Chlorooctane 94.4 % 47.2-157

Surrogate: 1-Chlorooctadecane 102 % 52.1-176

Cardinal Laboratories

\*=Accredited Analyte

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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager



**Analytical Results For:**

CHEVRON - ANDREWS  
EDEM SEDEDJI  
P. O. DRAWAER 29  
ANDREWS TX, 79714  
Fax To: EXT 3

Received: 03/12/2015  
Reported: 03/16/2015  
Project Name: SOIL SAMPLES  
Project Number: NONE GIVEN  
Project Location: WDDU 42

Sampling Date: 03/12/2015  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SS #4 (H500678-04)**

BTX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/13/2015	ND	2.17	109	2.00	1.98	
Toluene*	<0.050	0.050	03/13/2015	ND	1.97	98.6	2.00	1.60	
Ethylbenzene*	<0.050	0.050	03/13/2015	ND	1.90	94.8	2.00	1.87	
Total Xylenes*	<0.150	0.150	03/13/2015	ND	5.61	93.5	6.00	2.80	
Total BTX	<0.300	0.300	03/13/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 61-154

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	608	16.0	03/16/2015	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/13/2015	ND	181	90.5	200	7.78	
DRO >C10-C28	<10.0	10.0	03/13/2015	ND	175	87.3	200	15.9	

Surrogate: 1-Chlorooctane 92.3 % 47.2-157

Surrogate: 1-Chlorooctadecane 102 % 52.1-176

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 CHEVRON - ANDREWS  
 EDEM SEDEDJI  
 P. O. DRAWAER 29  
 ANDREWS TX, 79714  
 Fax To: EXT 3

 Received: 03/12/2015  
 Reported: 03/16/2015  
 Project Name: SOIL SAMPLES  
 Project Number: NONE GIVEN  
 Project Location: WDDU 42

 Sampling Date: 03/12/2015  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: SS #5 (H500678-05)**

BTEx 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/13/2015	ND	2.17	109	2.00	1.98	
Toluene*	<0.050	0.050	03/13/2015	ND	1.97	98.6	2.00	1.60	
Ethylbenzene*	<0.050	0.050	03/13/2015	ND	1.90	94.8	2.00	1.87	
Total Xylenes*	<0.150	0.150	03/13/2015	ND	5.61	93.5	6.00	2.80	
Total BTEx	<0.300	0.300	03/13/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1470	16.0	03/16/2015	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/13/2015	ND	181	90.5	200	7.78	
DRO >C10-C28	<10.0	10.0	03/13/2015	ND	175	87.3	200	15.9	

Surrogate: 1-Chlorooctane 92.9 % 47.2-157

Surrogate: 1-Chlorooctadecane 104 % 52.1-176

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



**Notes and Definitions**

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager







PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

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May 06, 2015

Daniel Dominguez

Environmental Plus, Inc.

P.O. Box 1558

Eunice, NM 88231

RE: WDDU #42

Enclosed are the results of analyses for samples received by the laboratory on 04/29/15 15:54.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager

**Analytical Results For:**

Environmental Plus, Inc.  
Daniel Dominguez  
P.O. Box 1558  
Eunice NM, 88231  
Fax To: (505) 394-2601

Received:	04/29/2015	Sampling Date:	04/16/2015
Reported:	05/06/2015	Sampling Type:	Soil
Project Name:	WDDU #42	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	UL-A SEC.32, T24S, R38E		

**Sample ID: SP 1 (SURFACE) (H501124-01)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1760	16.0	05/05/2015	ND	432	108	400	0.00	

**Sample ID: SP 1 (4') (H501124-02)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1700	16.0	05/05/2015	ND	432	108	400	0.00	

**Sample ID: SP 1 (6') (H501124-03)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	624	16.0	05/05/2015	ND	432	108	400	0.00	

**Sample ID: SP 1 (8') (H501124-04)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	816	16.0	05/05/2015	ND	432	108	400	0.00	

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

Environmental Plus, Inc.  
Daniel Dominguez  
P.O. Box 1558  
Eunice NM, 88231  
Fax To: (505) 394-2601

Received: 04/29/2015  
Reported: 05/06/2015  
Project Name: WDDU #42  
Project Number: NONE GIVEN  
Project Location: UL-A SEC.32, T24S, R38E

Sampling Date: 04/16/2015  
Sampling Type: Soil  
Sampling Condition: \*\* (See Notes)  
Sample Received By: Jodi Henson

**Sample ID: SP 2 (SURFACE) (H501124-05)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	608	16.0	05/05/2015	ND	432	108	400	0.00		

**Sample ID: SP 2 (8') (H501124-06)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1010	16.0	05/05/2015	ND	432	108	400	0.00	

**Sample ID: SP 3 (SURFACE) (H501124-07)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1470	16.0	05/05/2015	ND	432	108	400	0.00		

**Sample ID: SP 3 (5') (H501124-08)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	05/05/2015	ND	432	108	400	0.00	

**Sample ID: SP 4 (SURFACE) (H501124-09)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3440	16.0	05/05/2015	ND	432	108	400	0.00	

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager



**Analytical Results For:**

Environmental Plus, Inc.  
Daniel Dominguez  
P.O. Box 1558  
Eunice NM, 88231  
Fax To: (505) 394-2601

Received: 04/29/2015  
Reported: 05/06/2015  
Project Name: WDDU #42  
Project Number: NONE GIVEN  
Project Location: UL-A SEC.32, T24S, R38E

Sampling Date: 04/16/2015  
Sampling Type: Soil  
Sampling Condition: \*\* (See Notes)  
Sample Received By: Jodi Henson

**Sample ID: SP 4 (5') (H501124-10)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	576	16.0	05/05/2015	ND	432	108	400	0.00	

**Sample ID: SP 4 (8') (H501124-11)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	05/05/2015	ND	416	104	400	0.00	

**Sample ID: SP 5 (SURFACE) (H501124-12)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	976	16.0	05/05/2015	ND	416	104	400	0.00	

**Sample ID: SP 5 (4') (H501124-13)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1800	16.0	05/05/2015	ND	416	104	400	0.00	

**Sample ID: SP 5 (6') (H501124-14)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	496	16.0	05/05/2015	ND	416	104	400	0.00	

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

Environmental Plus, Inc.  
Daniel Dominguez  
P.O. Box 1558  
Eunice NM, 88231  
Fax To: (505) 394-2601

Received: 04/29/2015  
Reported: 05/06/2015  
Project Name: WDDU #42  
Project Number: NONE GIVEN  
Project Location: UL-A SEC.32, T24S, R38E

Sampling Date: 04/17/2015  
Sampling Type: Soil  
Sampling Condition: \*\* (See Notes)  
Sample Received By: Jodi Henson

**Sample ID: SP 5 (8') (H501124-15)****Chloride, SM4500Cl-B****mg/kg****Analyzed By: AP**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>256</b>	16.0	05/05/2015	ND	416	104	400	0.00	

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Notes and Definitions**

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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Cardinal Laboratories

\*=Accredited Analyte

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---

Celey D. Keene, Lab Director/Quality Manager



# Environmental Plus, Inc.

2100 Avenue O, Eunice, NM 88231  
(575) 394-3481 FAX: (575) 394-2601

P.O. Box 1558, Eunice, NM 88231

Chain of Custody Form  
LAB Cardinal

## Bill To

## ANALYSIS REQUEST



Attn: Daniel Dominguez

P.O. Box 1558

Eunice, NM 88231

Company Name Environmental Plus, Inc.

EPI Project Manager Daniel Dominguez

Mailing Address P.O. BOX 1558

City, State, Zip Eunice New Mexico 88231

EPI Phone#/Fax# 575-394-3481 / 575-394-2601

Client Company Chevron

Facility Name WDDU #42

Location UL-A Sec. 32, T24S, R38E

Project Reference

EPI Sampler Name Heri Gaytan

LAB I.D.

SAMPLE I.D.

H501124

LAB I.D.	SAMPLE I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX					PRESERV.	SAMPLING	DATE	TIME	BTX 8021B	TPH 8015M	CHLORIDES (Cl <sup>-</sup> )	SULFATES (SO <sub>4</sub> <sup>2-</sup> )	pH	TCLP	OTHER >>>	PAH
				GROUND WATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE												
1	SP1 (Surface)	G	1	X		X				X	16-Apr-15	10:20	X		X					
2	SP1 (4')	G	1			X				X	16-Apr-15	10:25	X		X					
3	SP1 (6')	G	1			X				X	16-Apr-15	10:30	X		X					
4	SP1 (8')	G	1			X				X	16-Apr-15	10:35	X		X					
5	SP2 (Surface)	G	1			X				X	16-Apr-15	10:40	X		X					
6	SP2 (8')	G	1			X				X	16-Apr-15	10:50	X		X					
7	SP3 (Surface)	G	1			X				X	16-Apr-15	13:15	X		X					
8	SP3 (5')	G	1			X				X	16-Apr-15	13:30	X		X					
9	SP4 (Surface)	G	1			X				X	16-Apr-15	13:50	X		X					
10	SP4 (5')	G	1			X				X	16-Apr-15	14:20	X		X					

Sampler Relinquished:

Date: 4/24/15 Received By: [Signature]

Relinquished by: [Signature]

Date: 4-24-15 Received By: (lab staff) [Signature]

Delivered by: [Signature]

Sample Cool & Intact Yes No

Notes: E-mail results to: ddominguezepi@gmail.com & rbates@chevron.com

83.804 #54



# Environmental Plus, Inc.

2100 Avenue O, Eunice, NM 88231

(575) 394-3481 FAX: (575) 394-2601

P.O. Box 1558, Eunice, NM 88231

Chain of Custody Form

LAB Cardinal

## ANALYSIS REQUEST

Bill To

Environmental Plus, Inc.

Daniel Dominguez

P.O. BOX 1558

Eunice New Mexico 88231

575-394-3481 / 575-394-2601

Chevron

WDDU #42

UL-A Sec. 32, T24S, R38E

Project Reference

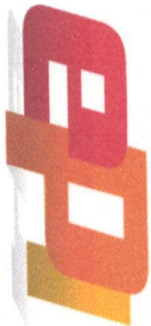
EPI Sampler Name

Heri Gaytan

Attn: Daniel Dominguez

P.O. Box 1558

Eunice, NM 88231



### MATRIX

### PRESERV.

### SAMPLING

LAB I.D.

SAMPLE I.D.

H501124

(G)RAB OR (C)OMP.

# CONTAINERS

GROUND WATER

WASTEWATER

SOIL

CRUDE OIL

SLUDGE

OTHER:

ACID/BASE

ICE/COOL

OTHER

DATE

TIME

BTEX 8021B

TPH 8015M

CHLORIDES (Cl<sup>-</sup>)

SULFATES (SO<sub>4</sub><sup>2-</sup>)

pH

TCLP

OTHER >>>

PAH

11 SP4 (8')

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Sampler Relinquished:

Date: 4/14/15

Received By:

E-mail results to: ddominguezepi@gmail.com & rbates@chevron.com

NOTES:

Relinquished by:

Date: 4-24-15

Received By: (lab staff)

NOTES:

Delivered by:

Sample Cool & Intact

Yes

Checked By:

83.882 #54



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

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August 06, 2015

Daniel Dominguez

Environmental Plus, Inc.

P.O. Box 1558

Eunice, NM 88231

RE: WDDU #42

Enclosed are the results of analyses for samples received by the laboratory on 08/03/15 15:23.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



**Analytical Results For:**

 Environmental Plus, Inc.  
 Daniel Dominguez  
 P.O. Box 1558  
 Eunice NM, 88231  
 Fax To: (505) 394-2601

Received:	08/03/2015	Sampling Date:	08/03/2015
Reported:	08/06/2015	Sampling Type:	Soil
Project Name:	WDDU #42	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	UL-A SEC.32, T24S, R38E		

**Sample ID: SP 1 (4') (H502005-01)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2160	16.0	08/06/2015	ND	416	104	400	0.00	

**Sample ID: SP 2 (4') (H502005-02)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	08/06/2015	ND	416	104	400	0.00	

**Sample ID: SP 3 (4') (H502005-03)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	672	16.0	08/06/2015	ND	416	104	400	0.00	

**Sample ID: SP 4 (4') (H502005-04)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1340	16.0	08/06/2015	ND	416	104	400	0.00	

Cardinal Laboratories

\*=Accredited Analyte

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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

Environmental Plus, Inc.  
Daniel Dominguez  
P.O. Box 1558  
Eunice NM, 88231  
Fax To: (505) 394-2601

Received: 08/03/2015  
Reported: 08/06/2015  
Project Name: WDDU #42  
Project Number: NONE GIVEN  
Project Location: UL-A SEC.32, T24S, R38E

Sampling Date: 08/03/2015  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 5 (4') (H502005-05)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	688	16.0	08/06/2015	ND	416	104	400	0.00	

**Sample ID: SP 6 (4') (H502005-06)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1380	16.0	08/06/2015	ND	416	104	400	0.00	

**Sample ID: SP 7 (4') (H502005-07)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1340	16.0	08/06/2015	ND	416	104	400	0.00	

**Sample ID: SP 8 (4') (H502005-08)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5280	16.0	08/06/2015	ND	416	104	400	0.00	

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Notes and Definitions**

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



# Environmental Plus, Inc.

2100 Avenue O, Eunice, NM 88231

(575) 394-3481 FAX: (575) 394-2601

P.O. Box 1558, Eunice, NM 88231

Chain of Custody Form  
LAB Cardinal

Company Name Environmental Plus, Inc.

Bill To

ANALYSIS REQUEST

EPI Project Manager Daniel Dominguez

Mailing Address P.O. BOX 1558

City, State, Zip Eunice New Mexico 88231

EPI Phone#/Fax# 575-394-3481 / 575-394-2601

Client Company Chevron

Facility Name WDDU #42

Location UL-A Sec. 32, T24S, R38E

Project Reference

EPI Sampler Name Heri Gaytan

Attn: Daniel Dominguez  
P.O. Box 1558  
Eunice, NM 88231



LAB I.D.

SAMPLE I.D.

#1502005

LAB I.D.	SAMPLE I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.	SAMPLING		DATE	TIME	BTX 8021B	TPH 8015M	CHLORIDES (Cl <sup>-</sup> )	SULFATES (SO <sub>4</sub> <sup>2-</sup> )	pH	TCLP	OTHER >>>	PAH
				GROUND WATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER:													
1	SP1 (4')	G	1			X							03-Aug-15	9:20			X					
2	SP2 (4')	G	1			X							03-Aug-15	9:25			X					
3	SP3 (4')	G	1			X							03-Aug-15	9:30			X					
4	SP4 (4')	G	1			X							03-Aug-15	9:35			X					
5	SP5 (4')	G	1			X							03-Aug-15	9:40			X					
6	SP6 (4')	G	1			X							03-Aug-15	9:45			X					
7	SP7 (4')	G	1			X							03-Aug-15	9:50			X					
8	SP8 (4')	G	1			X							03-Aug-15	9:55			X					
9																						
10																						

Sampler Relinquished:

Date 8/3/15

Received By: [Signature]

Relinquished By: [Signature]

Date 8/3/15

Received By: (lab staff) [Signature]

Delivered by: [Signature]

Date 8/3/15

Sample Cool & Intact Yes

Checked By: [Signature]

E-mail results to: ddominguezepi@gmail.com & rthates@chevron.com  
NOTES:

**ATTACHMENT III**  
**Copy of Initial NMOCD Form C-141**  
**Final NMOCD Form C-141**



District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
811 S. First St., 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 August 8, 2011

Submit 1 Copy to appropriate District Office in  
accordance with 19.15.29 NMAC.

**Release Notification and Corrective Action**

Accepted as Initial ONLY

**OPERATOR**

☒ Initial Report ☒ Final Report

Name of Company: Chevron N.A. Exploration Production Co.	Contact: Edem F Sededji
Address: P.O. Drawer 29 Andrews TX 79714	Telephone No. 432-234-4437
Facility Name: WDDU 42	Facility Type: Injection Well

Surface Owner: New Mexico	Mineral Owner: New Mexico	API No. 3002512321
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**LOCATION OF RELEASE**

Unit Letter A	Section 32	Township 24-S	Range 38-E	Feet from the 660	North/South Line North	Feet from the 660	East/West Line East	County Lea
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Latitude 32°10'44.36"N Longitude 103° 4'32.23"W

**NATURE OF RELEASE**

Type of Release: Spill to Land	Volume of Release: 9 barrels of Produced Water	Volume Recovered: 5 bbls
Source of Release: Crack in nipple on B1 Hanger	Date and Hour of Occurrence: 02/11/2015 11:30 AM	Date and Hour of Discovery 02/11/2015 11:30 AM
Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom?	
By Whom?	Date and Hour	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.\*

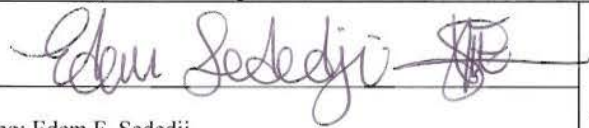

Describe Cause of Problem and Remedial Action Taken.\*

Spill was due to crack in nipple on B1 Hanger.

Describe Area Affected and Cleanup Action Taken.\*

Spill area was around the well head and then 600 FT down the road. Vacuum Truck was called out to vacuum up standing fluids, recovered 5 bbls of fluids and cleaned up the area. Backhoe will be excavating top layer of soil approx. 12-18". Next step is to take samples to determine effectiveness of local remediation and possibly turn remediation over to the Chevron Environmental Management Company if TPH and Chlorides levels are above required threshold.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOC 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 NMOC 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, NMOC 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: 	<b>OIL CONSERVATION DIVISION</b>	
Printed Name: Edem F. Sededji	Approved by Environmental Specialist: 	
Title: Health and Environmental Specialist	Approval Date: 02/13/2015	Expiration Date: 04/13/2015
E-mail Address: etpo@chevron.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 02/12/2015 Phone: 432-234-4437	Site samples required. Delineate and remediate are as per NMOC guides.	1RP-3535

\* Attach Additional Sheets If Necessary

nTO1504427248 4323  
pTO1504429181



District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
811 S. First St., 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 August 8, 2011

Submit 1 Copy to appropriate District Office in  
accordance with 19.15.29 NMAC.

**Release Notification and Corrective Action**

**OPERATOR**

☐ Initial Report ☒ Final Report

Name of Company: Chevron	Contact: Nick Hampton	
Address: 15 Smith Rd., Midland, TX, 79705	Telephone No. wk: 575-704-3143 cell: 985-502-2342	
Facility Name: WDDU #42; IRP# 3535	Facility Type: Injection Well	
Surface Owner: State	Mineral Owner: State	API No. 30-025-12321

**LOCATION OF RELEASE**

Unit Letter A	Section 32	Township 24S	Range 38E	Feet from the 660	North/South Line North	Feet from the 660	East/West Line East	County Lea
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**Latitude:** N 32° 10' 44.36" **Longitude:** W 103° 4' 32.23"

**NATURE OF RELEASE**

Type of Release: produced water	Volume of Release: 9 bbls	Volume Recovered: 5 bbls
Source of Release: Crack in nipple on B1 hanger	Date and Hour of Occurrence: 2/11/15 @ 11:30 am	Date and Hour of Discovery: 2/11/15 @ 11:30 am
Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom?	
By Whom?	Date and Hour:	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse: Not Applicable	
If a Watercourse was Impacted, Describe Fully.* Not Applicable		
Describe Cause of Problem and Remedial Action Taken.* Spill was due to crack in nipple on B1 Hanger.		
Describe Area Affected and Cleanup Action Taken.* Spill area was around the well head and then 600 FT down the road. Vacuum Truck was called out to vacuum up standing fluids recovered 5 bbls of fluids and cleaned up the area. The release area has been excavated and samples collected. Based on laboratory analytical data and NMOCD approval the excavation has been partially lined with a 20 mil poly-ethylene liner and backfilled with clean soil.		
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.		
Signature: <i>Nick Hampton</i>	<b>OIL CONSERVATION DIVISION</b>	
Printed Name: Nick Hampton	Approved by Environmental Specialist:	
Title: HE Specialist	Approval Date:	Expiration Date:
E-mail Address: cikb@chevron.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: <u>12/9/15</u> Phone: 985-502-2342		

\* Attach Additional Sheets If Necessary