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CONSULTING AND ENVIRONMENTAL REMEDIATION

ENVIRONMENTAL PLUS,

30 September 2015

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

RE: Final Closure Report Chevron – Mittie Weatherly #2 UL-E, Section 17, Township 21 South, Range 37 East Lea County, New Mexico

Ms. Jones:

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

#### **Remediation Activities:**

From May 21 – June 18, 2014 approximately 972 cubic yards of contaminated material were excavated and transported to a state approved facility for disposal. The release area was excavated into two areas. Excavation one was excavated using a hydro-excavator as three (3) buried flowlines were identified through one-call. Excavation two was excavated using a backhoe as no lines were identified through one-call. Both excavations are approximately four (4) feet deep with excavation one covering approximately 2,500 square feet and excavation two covering approximately 4,900 square feet (reference *Figure 4*).

In order to determine the vertical extent of contamination, on June 6, 2014 a test trench (SP1) was dug on the south east side of excavation two and samples collected at two (2) foot intervals to a depth of twelve (12) feet bgs. On June 10, 2014 excavation continued on SP1 to a depth of twenty four (24) feet bgs and samples again collected at two (2) foot intervals. On June 11, 2014 a second test trench (SP2) was dug on the south west side of excavation two and samples collected at two (2) foot intervals to a depth of sixteen (16) feet bgs. On June 16, 2014 two samples were collected from the north (SP4) and south (SP3) ends of excavation one. Due to the presence of buried flowlines in the excavation only one (1) sample was collected at each end at a depth of five (5) feet bgs (reference *Figure 4*). All samples were immediately jarred, put in plastic bags and placed on ice until the crew returned to the EPI yard where the samples were placed in the refrigerator. All twenty two (22) samples were sent to Cardinal Labs in Hobbs, New Mexico and analyzed for Chloride contaminant concentrations.

Laboratory analytical data indicates Chloride concentrations are in excess of NMOCD Recommended Remedial Action Levels (RRALs) of 500 mg/Kg to a depth of twenty two (22) feet bgs at SP1 and twelve (12) feet bgs at SP2. Chloride concentrations at SP3 were in excess of NMOCD RRALs at five (5) bgs; SP4 did not exceed NMOCD RRALs (reference *Figure 4* and *Table 2*).



#### **Closure Activities:**

On May 11, 2015 EPI personnel mobilized on site to collect soil samples to determine sidewall contaminant concentrations as well as collect one (1) additional sample from excavation floor. Ten (10) soil samples we collected from eight (8) sample locations; SW1 – SW7, SP5. Eight (8) of the ten (10) soil samples were sent to Cardinal Labs in Hobbs, NM and analyzed for Chloride contaminant concentrations. Sample locations SW4 and SW5 field tested high for Chlorides so additional samples were collected approximately four (4) feet further out from the sidewall and field tested. These samples were sent the lab (reference *Figure 5* and *Table 2*).

Laboratory analytical data indicates the excavation is void of Chloride concentrations in excess of NMOCD RRALs in all samples with the exception of SW6. However, sample point SW6 was located on the wall separating the two excavations and was excavated (reference *Figure 6* and *Table 2*).

Based on laboratory data and with NMOCD approval, the soil separating the excavations was removed and an additional two (2) feet excavated from the floor of the excavation. As the flowlines running through the excavation do not belong to Chevron the soil was not removed from under the flowlines, but left to support the flowlines. In total, approximately 1,472 cubic yards of contaminated soil were excavated and transported to a state approved facility for disposal. When excavation activities were completed a twenty (20) mil thick polyethylene liner was placed in the bottom of the excavation and under the flowlines (reference *Figure 7*). The polyethylene liner was placed on a one (1) foot thick layer of clean soil. The excavation was backfilled with approximately 1,472 cubic yards of selected top soil to finish grade. Top soil was free of deleterious material or rocks or large clumps.

Backfilling continued until the entire excavation was closed. Upon completion of backfill activities, the entire disturbed area was contoured to blend with existing pasture area and protected against wind/water erosion. Disturbed areas will be disced and deep drill seeded with a mixture approved by the property owner. However, it is recommended completing this activity in late spring 2016 when ground conditions are more conducive to vegetative growth.

Should you have any questions or concerns please feel free to contact me at (575) 394-3481 or via e-mail at <u>ddominguezepi@gmail.com</u> or Mr. Stephen Gwin at (575) 263-0409 or via e-mail at <u>stephen.gwin@chevron.com</u>. All official communication should be addressed to:

Mr. Stephen Gwin Chevron Delaware Basin, Hobbs FMT 1616 West Bender Hobbs, New Mexico 88240

Sincerely,

ENVIRONMENTAL PLUS, INC.

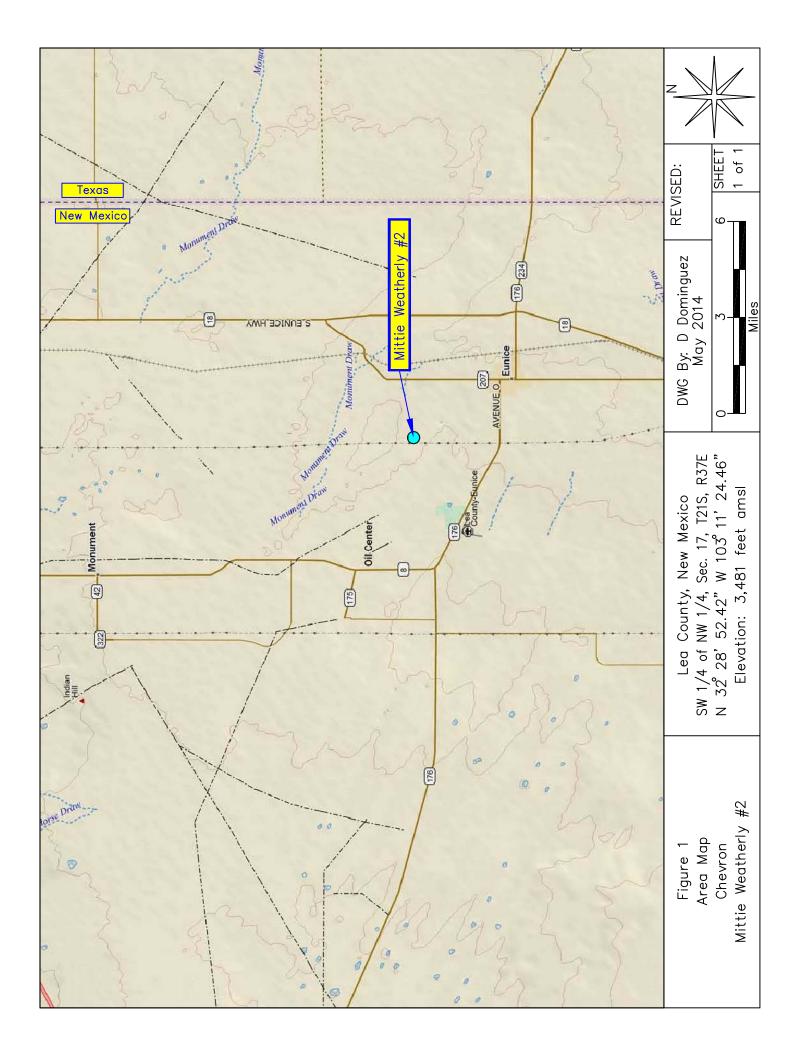
Daniel Dominguez Environmental Consultant

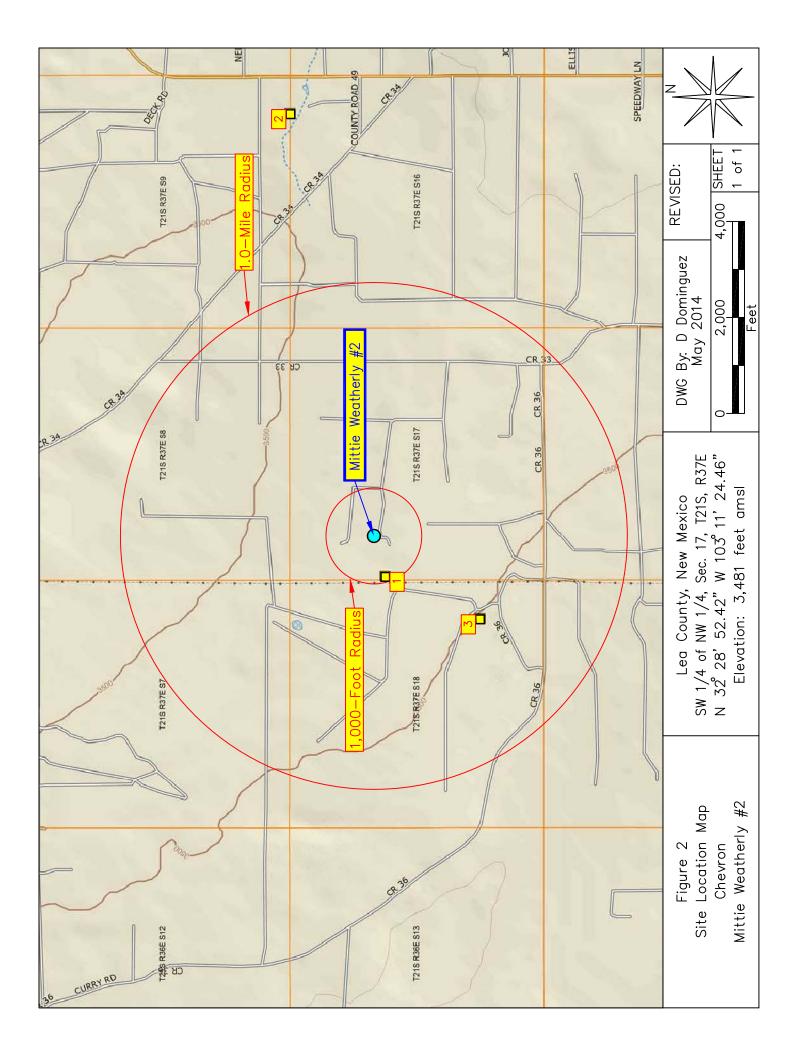


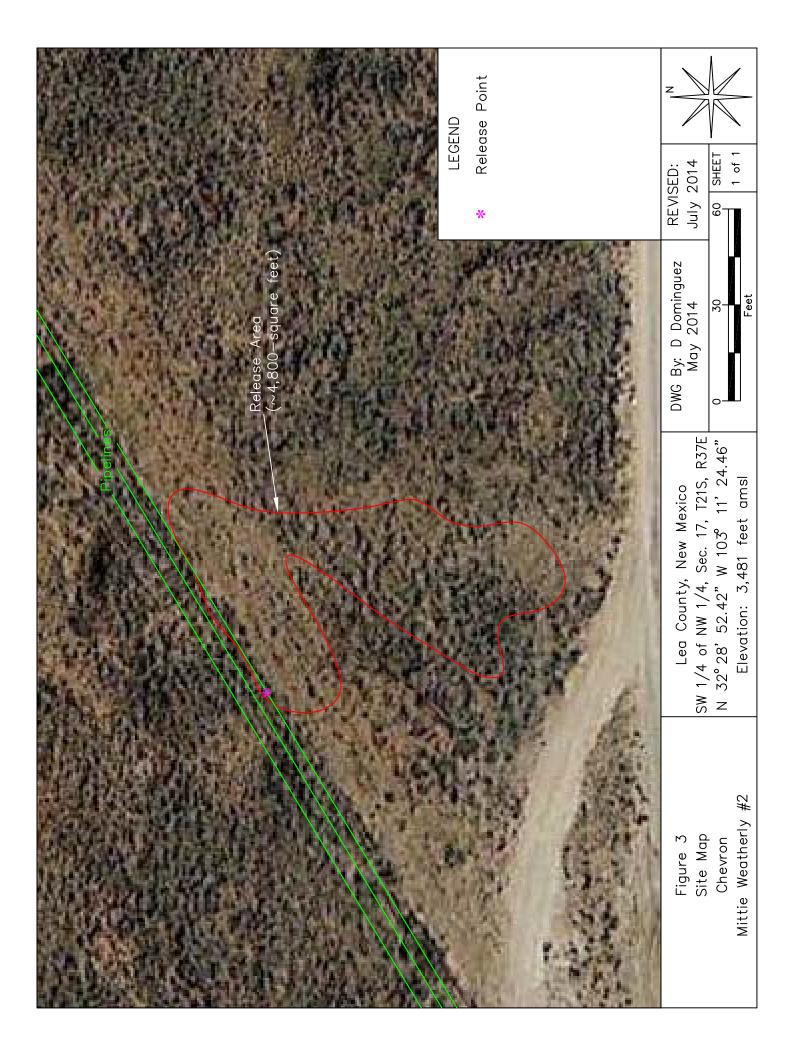
cc: Stephen Gwin, HSE Specialist – Chevron Dr. Oberding, Hydrologist, NMOCD – Sante Fe, NM Jamie Keyes, Environmental Specialist, NMOCD – Hobbs, NM File

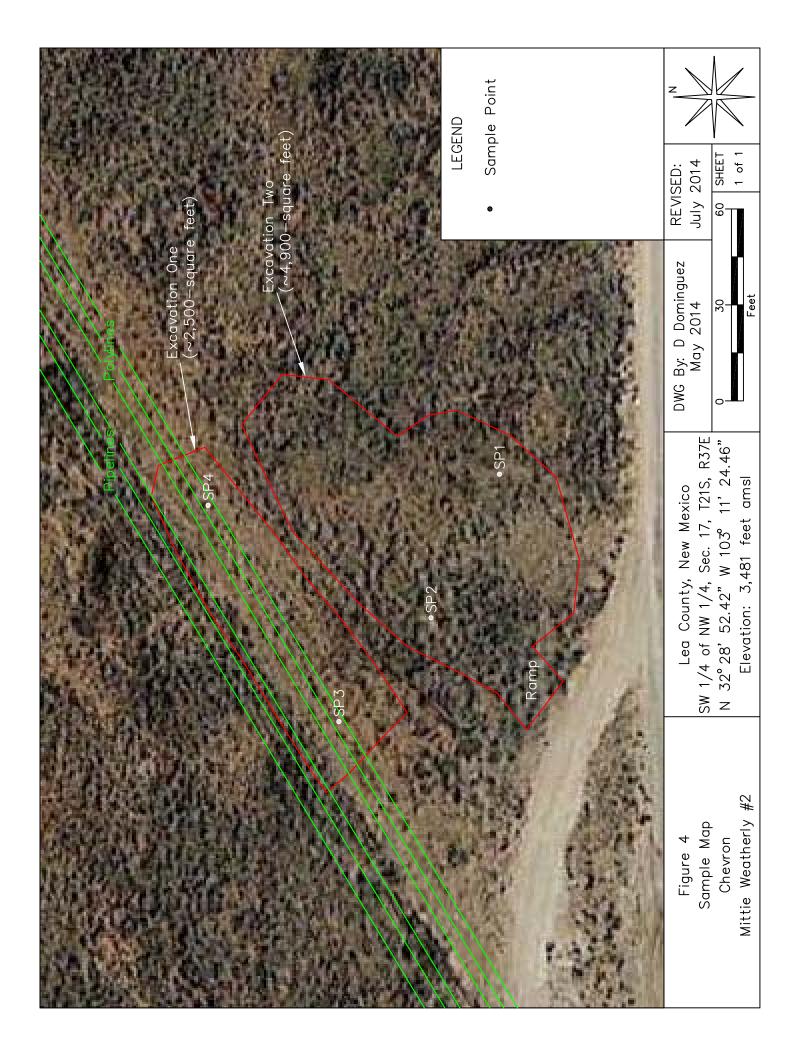
- Encl.: Figure 1 Area Map
  - Figure 2 Site Location Map
  - Figure 3 Site Map
  - Figure 4 Sample Map
  - Figure 5 Sample Map 5-11-15
  - Figure 6 Liner Map
  - Table 1 Well Data
  - Table 2 Summary of Soil Sample Field Testing and Laboratory Analytical Results
  - Attachment I Photographs
  - Attachment II Laboratory Analytical Results
  - Attachment III Copy of Initial NMOCD Form C-141, Final C-141

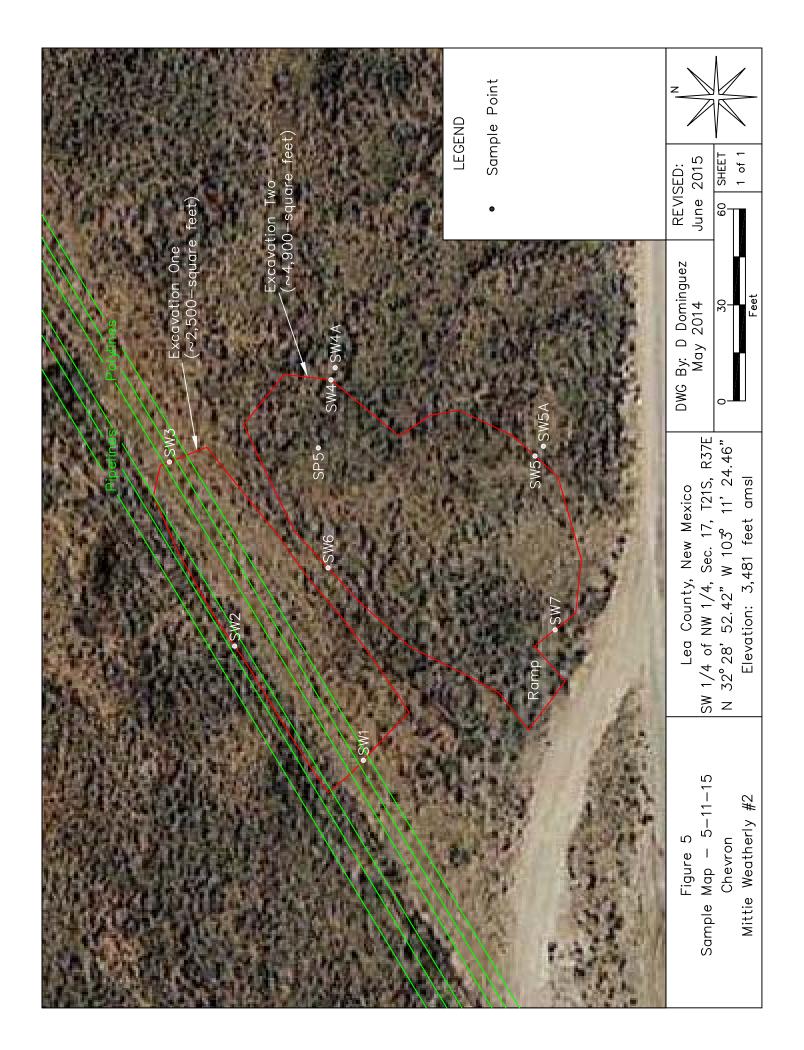
**FIGURES** 

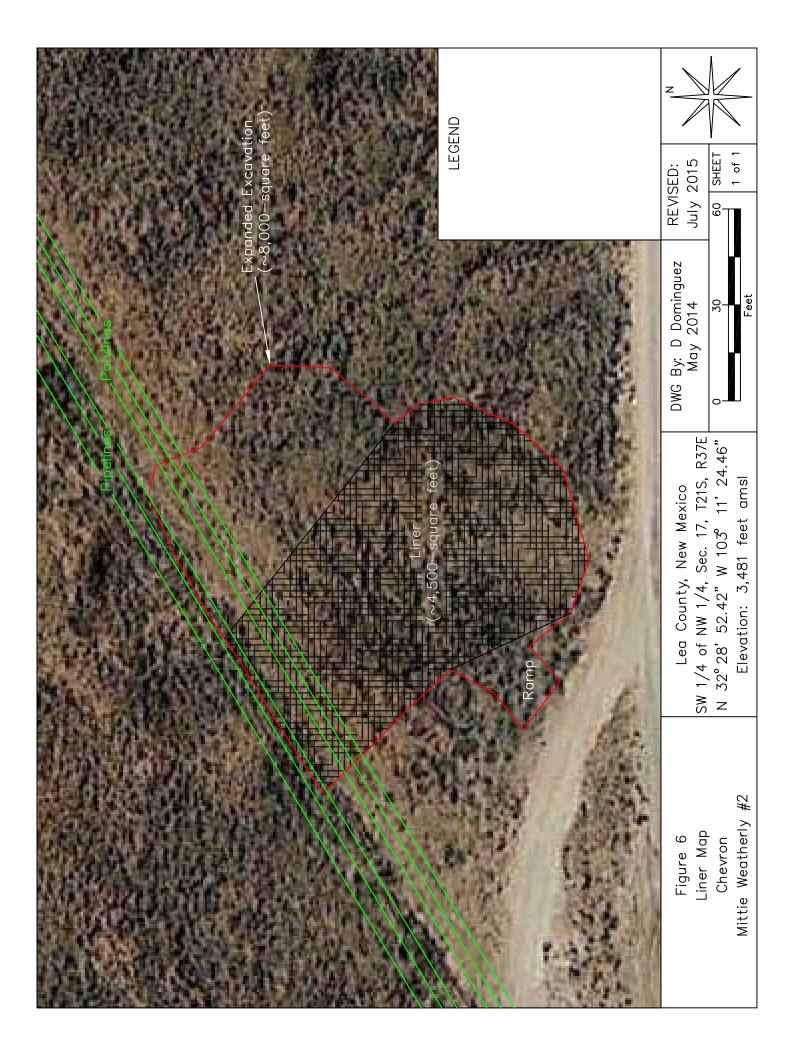












## **TABLES**

# **TABLE 1**

# Well Data

# Chevron - Mittie Weatherly #2

Ref #	Well Number	Use	Use Diversion <sup>A</sup>	Owner	q64 c	116 q	l4 Si	e Tws	p Rng	q64 q16 q4 Sec Twsp Rng Easting Northing	Northing	Date Measured	Date Surface Measured Elevation <sup>B</sup>	Depth to Water
									_					(ft bgs)
1	CP 01026	DOM	1	DAVID KERBO	1	1	3 1	7 215	37E	3 17 21S 37E 669809	3594958	3594958 14-Oct-09 3,484	3,484	95
2	CP 00554	STK	3	MILLARD DECK		2	2 1	6 215	37E	672744	3595610	2 2 2 16 21S 37E 672744 3595610 05-Jun-76	3,467	70
3	CP 00676	DOM	ю	JOE E. SIMS		4	4 1	8 215	37E	669548	3594352	4 4 4 18 21S 37E 669548 3594352 30-Apr-93 3,500	3,500	106

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

 $^{A}$  = In acre feet per annum

 $^{B}$  = Elevation interpolated from USGS topographical map based on referenced location. DOM = 72-12-1 Domestic one household

STK = 72-12-1 Livestock watering quarters are 1=NW, 2=NE, 3=SW, 4=SE; quarters are smallest to biggest Shaded area indicates wells not shown in Figure 2

TABLE 2 Summary of Soil Sample Field Testing and Laboratory Analytical Results Chevron Mittie Weatherly #2

	Chloride (mg/Kg)	368	992	1,170	832	304	560	768	656	704	480	512	192	320	464	576	688	704	656	448	320
	Total TPH (mg/Kg)	ł	ł	I	ł	ł	ł	ł	I	I	I	ł	1	ł	ł	ł	ł	ł	ł	ł	I
	DRO C10-C28 (mg/Kg)	-	1	1	-	-	-	-	1	1	1	-	-	-			1	-			1
	GRO C6-C10 (mg/Kg)	1	1	1	1	-	1	1	1	1	1	1	-	-	-	1	1	1	-	1	1
	Total BTEX (mg/Kg)	!	ł	1	-	-	-	:	1	1	1	:	-	-	-	!	1	:	-	1	!
	Total Xylenes (mg/Kg)	I	I	I	I	1	1	I	I	I	I	I	1	1	ł	ł	I	I	1	ł	I
#2	Ethylbenzene (mg/Kg)	ł	I	1	ł	1	ł	ł	1	ł	ł	ł	1	1	-	I	ł	ł	ł	ł	I
Mittie Weatherly #2	Toluene (mg/Kg)	!	ł	1	1	-	!	1	1	1	1	1	:	-	-	1	1	1	!	1	!
Mittie '	Benzene (mg/Kg)	!	ł	1	-	-	-	:	1	1	1	:	-	-	-	!	1	:	-	1	!
	Field Chloride (mg/Kg)	400	800	1,000	800	400	800	640	560	480	400	320	200	480	560	720	560	720	560	480	240
	PID Reading (ppm)	0.5	I	I	I	1	1	I	I	I	I	I	1	1	ł	ł	I	I	1	ł	I
	Sample Date	06-Jun-14	06-Jun-14	06-Jun-14	06-Jun-14	06-Jun-14	06-Jun-14	10-Jun-14	10-Jun-14	10-Jun-14	10-Jun-14	10-Jun-14	10-Jun-14	11-Jun-14							
	Soil Status	Excavated	Excavated	In-Situ	Excavated	Excavated	In-Situ	In-Situ	In-Situ	In-Situ	In-Situ	In-Situ									
	Depth (feet)	2	4	9	8	10	12	14	16	18	20	22	24	2	4	6	8	10	12	14	16
	Sample ID	SP1 (2')	SP1 (4')	SP1 (6')	SP1 (8')	SP1 (10')	SP1 (12')	SP1 (14')	SP1 (16')	SP1 (18')	SP1 (20')	SP1 (22')	SP1 (24')	SP2 (2')	SP2 (4')	SP2 (6')	SP2 (8')	SP2 (10')	SP2 (12')	SP2 (14')	SP2 (16')

 
 TABLE 2
 Summary of Soil Sample Field Testing and Laboratory Analytical Results
 Chevron Mittie Weatherly #2

Ę,				-										
	Chloride (mg/Kg)	096	192	<16.0	128	<16.0		<16.0	-	<16.0	4,480	<16.0	<16.0	200
	Total TPH (mg/Kg)	1	-	1	1	1		-	ł	ł		ł	-	1,000
	DRO C10-C28 (mg/Kg)	-	-	1	-	1	-	1	ł	1	-	1	-	
	GRO C6-C10 (mg/Kg)		-	:			1	1	1	1	1	:		
	Total BTEX (mg/Kg)	-		1	-	1	-	-	ł	1	-	1	-	50
	Total Xylenes (mg/Kg)		-	1		-	ł	ł	ł	ł	ł	ł		
#4	Ethylbenzene (mg/Kg)		-	-			-	-	1	-	-	-		
MILLIE WEALINEILY #2	Toluene (mg/Kg)	-	-	:	-	-	-	-	:	1	-	1	-	
INTINIC	Benzene (mg/Kg)	-	-	1	-	1	1	1	I	1	-	1	-	10
	Field Chloride (mg/Kg)		-	80	240	160	2,160	80	800	80	>4,000	80	80	
	PID Reading (ppm)		-	ł		-	ł	ł	ł	ł	ł	ł		100
	Sample Date	16-Jul-14	16-Jul-14	11-May-15	action Levels									
	Soil Status	In-Situ	In-Situ	In-Situ	In-Situ	In-Situ	Excavated	In-Situ	Excavated	In-Situ	Excavated	In-Situ	In-Situ	. Remedial A
	Depth (feet)	5	5	2	2	2	2	2	2	2	2	2	5	mmended
	Sample ID	SP3 (5')	SP4 (5')	SW1	SW2	SW3	SW4	SW4A	SW5	SW5A	SW6	SW7	SP5	NMOCD Recommended Remedial Action Levels

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

# ATTACHMENTS

ATTACHMENT I Photographs



Photograph #1 – Lease sign



Photograph #2 – Looking across release point



Photograph #3 – Looking northerly across release area



Photograph #4 – Looking northerly across release area



Photograph #5 – Looking northerly across excavation one



Photograph #6 – Looking north easterly across excavation one



Photograph #7 – Looking easterly across excavation two



Photograph #8 – Looking easterly across excavation two



Photograph #9 – Looking across expanded excavation



Photograph #10 - Looking across expanded excavation



Photograph #11 – Liner installed



Photograph #12 – Liner installed



Photograph #13 – Backfilled



Photograph #14 – Backfilled

# ATTACHMENT II Laboratory Analytical Results



June 18, 2014

Daniel Dominguez Environmental Plus, Inc. P.O. Box 1558 Eunice, NM 88231

RE: MITTIE WEATHERLY #2

Enclosed are the results of analyses for samples received by the laboratory on 06/11/14 15:33.

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 <a href="https://www.tceq.texas.gov/field/ga/lab\_accred\_certif.html">www.tceq.texas.gov/field/ga/lab\_accred\_certif.html</a>.

Cardinal Laboratories is accreditated 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. Keine

Celey D. Keene Lab Director/Quality Manager



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

Received:	06/11/2014	Sampling Date:	06/06/2014
Reported:	06/18/2014	Sampling Type:	Soil
Project Name:	MITTIE WEATHERLY #2	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	UL-E SEC. 17, T21S, R37E		

#### Sample ID: SP 1 (2') (H401786-01)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	06/18/2014	ND	432	108	400	3.64	

#### Sample ID: SP 1 (4') (H401786-02)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	992	16.0	06/18/2014	ND	432	108	400	3.64	

#### Sample ID: SP 1 (6') (H401786-03)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1170	16.0	06/18/2014	ND	432	108	400	3.64	

#### Sample ID: SP 1 (8') (H401786-04)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	832	16.0	06/18/2014	ND	416	104	400	0.00	

#### **Cardinal Laboratories**

#### \*=Accredited Analyte

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	06/11/2014	Sampling Date:	06/06/2014
Reported:	06/18/2014	Sampling Type:	Soil
Project Name:	MITTIE WEATHERLY #2	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	UL-E SEC. 17, T21S, R37E		

#### Sample ID: SP 1 (10') (H401786-05)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	06/18/2014	ND	416	104	400	0.00	

#### Sample ID: SP 1 (12') (H401786-06)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	560	16.0	06/18/2014	ND	416	104	400	0.00	

#### Sample ID: SP 1 (14') (H401786-07)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	768	16.0	06/18/2014	ND	416	104	400	0.00	

#### Sample ID: SP 1 (16') (H401786-08)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	656	16.0	06/18/2014	ND	416	104	400	0.00	

#### Sample ID: SP 1 (18') (H401786-09)

Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	704	16.0	06/18/2014	ND	416	104	400	0.00	

#### **Cardinal Laboratories**

\*=Accredited Analyte

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	06/11/2014	Sampling Date:	06/10/2014
Reported:	06/18/2014	Sampling Type:	Soil
Project Name:	MITTIE WEATHERLY #2	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	UL-E SEC. 17, T21S, R37E		

#### Sample ID: SP 1 (20') (H401786-10)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	06/18/2014	ND	416	104	400	0.00	

#### Sample ID: SP 1 (22') (H401786-11)

Chloride, SM4500Cl-B	mg/	/kg	Analyze	Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	512	16.0	06/18/2014	ND	416	104	400	0.00	

#### Sample ID: SP 1 (24') (H401786-12)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	06/18/2014	ND	416	104	400	0.00	

#### Sample ID: SP 2 (2') (H401786-13)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	06/18/2014	ND	416	104	400	0.00	

#### Sample ID: SP 2 (4') (H401786-14)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	464	16.0	06/18/2014	ND	416	104	400	0.00	

#### **Cardinal Laboratories**

\*=Accredited Analyte

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	06/11/2014	Sampling Date:	06/11/2014
Reported:	06/18/2014	Sampling Type:	Soil
Project Name:	MITTIE WEATHERLY #2	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	UL-E SEC. 17, T21S, R37E		

#### Sample ID: SP 2 (6') (H401786-15)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	576	16.0	06/18/2014	ND	416	104	400	0.00	

#### Sample ID: SP 2 (8') (H401786-16)

Chloride, SM4500Cl-B	mg/	′kg	Analyze	Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	688	16.0	06/18/2014	ND	416	104	400	0.00	

#### Sample ID: SP 2 (10') (H401786-17)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	704	16.0	06/18/2014	ND	416	104	400	0.00	

#### Sample ID: SP 2 (12') (H401786-18)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	656	16.0	06/18/2014	ND	416	104	400	0.00	

#### Sample ID: SP 2 (14') (H401786-19)

Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	448	16.0	06/18/2014	ND	416	104	400	0.00	

#### **Cardinal Laboratories**

\*=Accredited Analyte

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	06/11/2014	Sampling Date:	06/11/2014
Reported:	06/18/2014	Sampling Type:	Soil
Project Name:	MITTIE WEATHERLY #2	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	UL-E SEC. 17, T21S, R37E		

#### Sample ID: SP 2 (16') (H401786-20)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	06/18/2014	ND	416	104	400	0.00	

#### **Cardinal Laboratories**

#### \*=Accredited Analyte

Celey D. Keine

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

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager

Sampler Relinquished:	10 SP1 (20')	9 SP1 (18')	8 SP1 (16')	7 SP1 (14")		5 SP1 (10')	4 SP1 (8')	3 SP1 (6')	2 SP1 (4')	1 SP1 (2')	H401 1510	Ū		Project Reference David Robinson	UL-E Sec. 17,			EPI Phone#/Fax# 575-394-3481 / 5/5-394-2001			ager	Company Name Environmental Flus,	(575) 394-3481 FAX: (575) 394-2601	2100 Avenue O, Eunice, NM 88231	<b>Environmental Plus, Inc.</b>	
Sample Gool & Intact Yes No					G 1 ×	G 1 ×					→ # ()	G)RAB OR (C)OMP CONTAINERS GROUND WATER WASTEWATER SOIL			10, 1101 -	T340 D37E	<del>5</del>	5-394-2001	CU 00201	00 00021		us, IIIv.	in Inc	P.U. BUX 1330, E4	•	
Checked By										×	X	CRUDE OIL SLUDGE OTHER: ACID/BASE ICE/COOL	MATRIX PRESERV.		P.O. B	Attn: Danie							Bil		nice. NM 88231	
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ults to: ddominguezepi@gmail.com & brian.criswell@chevron.com												TCLP OTHER >>> PAH											ANALYSIS REQUEST	DECHECT	Cardinal	Chain of Custody Form
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Page 1 of 2

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#	3 7 3 Received By: (lab staff) 3 8 Received By: (lab staff)	11/14 Received By:			<u></u>							G 1 X	G 1 X	# G S	G)RAB OR (C)OMP CONTAINERS ROUND WATER VASTEWATER COIL CRUDE OIL	MAINA			1215, R3/E		575-394-2601	EXICO 88231	zant	Phile Inc.	<b>F.O. DOX 1000</b>	IC. B O Box 1558 Eunice. NM 88231	
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Page 2 of 2

210



July 21, 2014

Daniel Dominguez Environmental Plus, Inc. P.O. Box 1558 Eunice, NM 88231

RE: MITTIE WEATHERLY #2

Enclosed are the results of analyses for samples received by the laboratory on 07/16/14 10:05.

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 <a href="https://www.tceq.texas.gov/field/qa/lab\_accred\_certif.html">www.tceq.texas.gov/field/qa/lab\_accred\_certif.html</a>.

Cardinal Laboratories is accreditated 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. Keine

Celey D. Keene Lab Director/Quality Manager



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

Received:	07/16/2014	Sampling Date:	07/16/2014
Reported:	07/21/2014	Sampling Type:	Soil
Project Name:	MITTIE WEATHERLY #2	Sampling Condition:	** (See Notes)
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	UL-E SEC. 17, T21S, R37E		

#### Sample ID: SP3 (5') (H402151-01)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	960	16.0	07/21/2014	ND	400	100	400	3.92	

#### Sample ID: SP4 (5') (H402151-02)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	07/21/2014	ND	400	100	400	3.92	

#### **Cardinal Laboratories**

#### \*=Accredited Analyte

Celey D. Keine

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

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager

	UST GOD	Relinquished by:		Sampler Relinquished:		10	6	8	7	6	5	4	3	2 <b>SP</b>		LABI.D.	1		EPI Sampler Name	Project Reference	Location	Facility Name	Client Company	EPI Phone#/Fax#	City, State, Zip	Mailing Address	EPI Project Manager	Company Name		2100 Avenue O, Eu	Environm		
tl	18,4 Sample dool & Intact No	50% 04441 71/01/1400	Time	Date										SP4 (5')	SP3 (5')	SAMPLE I.D.			Dustin Crockett		UL-E Sec. 17, T21S,	Mittie Weatherly #2	Chevron	575-394-3481 / 575-394-2601	Eunice New Mexico 88231	P.O. BOX 1558	er Daniel Dominguez	Environmental Plus,	FAX: (575) 394-2601	Eunice, NM 88231	<b>Environmental Plus, Inc.</b>		
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May 15, 2015

Daniel Dominguez Environmental Plus, Inc. P.O. Box 1558 Eunice, NM 88231

RE: MITTIE WEATHERLY #2

Enclosed are the results of analyses for samples received by the laboratory on 05/11/15 15:31.

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 <a href="https://www.tceq.texas.gov/field/qa/lab\_accred\_certif.html">www.tceq.texas.gov/field/qa/lab\_accred\_certif.html</a>.

Cardinal Laboratories is accreditated 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. Keine

Celey D. Keene Lab Director/Quality Manager



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

Received:	05/11/2015	Sampling Date:	05/11/2015
Reported:	05/15/2015	Sampling Type:	Soil
Project Name:	MITTIE WEATHERLY #2	Sampling Condition:	** (See Notes)
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	UL-E SEC. 17, T21S, R37E		

#### Sample ID: SW 1 (2') (H501207-01)

Chloride, SM4500Cl-B	mg	/kg Analyzed By: AP							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	05/13/2015	ND	432	108	400	3.77	

#### Sample ID: SW 2 (2') (H501207-02)

Chloride, SM4500Cl-B	mg	/kg	Analyze	Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	05/13/2015	ND	432	108	400	3.77	

#### Sample ID: SW 3 (2') (H501207-03)

Chloride, SM4500Cl-B	mg	/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	05/13/2015	ND	432	108	400	3.77	

#### Sample ID: SW 4A (2') (H501207-04)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	05/13/2015	ND	432	108	400	3.77	

#### **Cardinal Laboratories**

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	05/11/2015	Sampling Date:	05/11/2015
Reported:	05/15/2015	Sampling Type:	Soil
Project Name:	MITTIE WEATHERLY #2	Sampling Condition:	** (See Notes)
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	UL-E SEC. 17, T21S, R37E		

#### Sample ID: SW 5A (2') (H501207-05)

Chloride, SM4500Cl-B	mg	/kg	Analyze	Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	05/13/2015	ND	432	108	400	3.77	

#### Sample ID: SW 6 (2') (H501207-06)

Chloride, SM4500CI-B	OCI-B mg/kg			Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4480	16.0	05/13/2015	ND	432	108	400	3.77	

#### Sample ID: SW 7 (2') (H501207-07)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	05/13/2015	ND	416	104	400	0.00	

#### Sample ID: SP 5 (5') (H501207-08)

Chloride, SM4500Cl-B	mg	/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	05/13/2015	ND	416	104	400	0.00	

#### **Cardinal Laboratories**

#### \*=Accredited Analyte

Celez D. Keene

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

#### 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 sample identified above. This report shall not be reproduced except in full with written approval of Cardinal Loratories.

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

Page 4 of 5

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

#### GEOERED

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

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**107 0 7 AVM** State of New Mexico Energy Minerals and Natural Resources

**QOO SHOH**Dil 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 Repor
Name of Company: Chevron	Contact: Brad	dley Blevins
Address: 1616 West Bender	Telephone No	<b>o.:</b> (575) 391 – 1462 ext 86424
Facility Name: Mittie Weatherly #2	Facility Type:	e: flowline

Surface Owner: Chevron USA

Mineral Owner:

**API:** 30-025-06648

#### LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
E	17	215	37E	1980	North	990	West	Lea

#### Latitude: <u>N 32° 28' 52.42"</u> Longitude: <u>W 103° 11' 24.46"</u>

NATURE OF RELEASE

Type of Release: produced water	Volume of Release: 242 bbls	Volume R	Recovered: 220 bbls		
Source of Release: flowline	Date and Hour of Occurrence: 5/7/14	Date and 5/8/14	Hour of Discovery:		
Was Immediate Notice Given?	If YES, To Whom?				
🛛 Yes 🗌 No 🗌 Not Required	Geoff Leking				
By Whom? Bradley Blevins	Date and Hour: 5/8/14 @ 06:58				
Was a Watercourse Reached?	If YES, Volume Impacting the W	atercourse:			
🗌 Yes 🖾 No	Not Applicable				
Depth to Water. ~80 ft bgs	Depril toyrail H.D 75-100'				
If a Watercourse was Impacted, Describe Fully.* Not Applicable					
Describe Cause of Problem and Remedial Action Taken.* Approxima					
a hole. Vacuum trucks were dispatched to pick up any free standing liqui					
Response Team arrived at the release area and began continuous abateme	nt of the impacted area. Visibly stained	d soil was ex	cavated and hauled		
away for disposal at a state approved facility.	1800 square fact of surface area was in	uncoted by d	an relaced Sail complete		
Describe Area Affected and Cleanup Action Taken.* Approximately 4,800 square feet of surface area was impacted by the release. Soil samples					
will be collected from release area and submitted to Cardinal Laboratories for testing. Upon receipt of laboratory analytical data from soil samples collected during delineation operations, EPI will prepare and present a Remediation Proposal for NMOCD approval.					
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 responsibil					
r compliance with any other federal, state, or local laws and/or regulations.					
	OIL CONSERVA	FION DI	VISION		
Signature: Dradle, 30					
organization of the second sec	Approved by District Supervisor:				
Printed Name: Bradley Blevins	Environ avaral S	pecialist	· ·		
	Approval Date:				
Title: HE Specialist	5-20-14	Expiration	Date: 07 - 21 - 14		
E-mail Address: <u>bradley.blevins@chevron.com</u>	Conditions of Annroval: 5 -	,			
Conditions of Approval: h72 Samples Attac			Attached 🔲		
Date: 5.20.14 Phone: (575) 391-1462 ext 86424	Conditions of Approval: Size Seaples Attached required Deliaist and remediate ARP 05-14- as per NMOCD regs. Submit Fixel 09 4323				
Attach Additional Sheets If Necessary	as per NMOCD regs. Subi	nit fixe)	09 4323		
	C-141 by 07-21-14.		n to 14140 51020		

#### State of New Mexico Energy Minerals and Natural Resources

Form C-141 Revised August 8, 2011

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 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: Stephen Gwin		
Address: 1616 West Bender Hobbs, NM 88240	Telephone No. 575-408-0073		
Facility Name: Mittie Weatherly #2; 1RP# 3039	Facility Type: flowline		

Surface Owner: Chevron

Mineral Owner:

API No. 30-025-06648

#### LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
E	17	21S	37E	1980	North	990	West	Lea

Latitude: <u>N 32° 28' 52.42</u>" Longitude: <u>W 103° 11' 24.46</u>"

#### NATURE OF RELEASE

Type of Release: produced water	Volume of Release: 242 bbls	Volume Recovered: 220 bbls	
Source of Release: Flow line	Date and Hour of Occurrence: 5/7/14	Date and Hour of Discovery: 5/8/14	
Was Immediate Notice Given?	If YES, To Whom? Geoff Leking		
By Whom? Bradley Blevins	Date and Hour: 5/8/14 @ 06:58		
Was a Watercourse Reached?	If YES, Volume Impacting the Wa Not Applicable	atercourse:	
If a Watercourse was Imposted Describe Fully * Net Applicable		and the second sec	

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

Describe Cause of Problem and Remedial Action Taken.\*

Approximately 242 bbls of produced water were released when a flowline developed a hole. Vacuum trucks were dispatched to pick up any free standing liquids. There were approximately 220 bbls recovered. An Emergency Response Team arrived at the release area and began continuous abatement of the impacted area. Visibly stained soil was excavated and hauled away for disposal at a state approved facility.

Describe Area Affected and Cleanup Action Taken.\*

Approximately 4,800 square feet of surface area was impacted by the release. Soil samples were collected and sent to the lab for analysis. Based on laboratory analytical data the release area was excavated and contaminated soil was hauled to a state approved facility for disposal. With NMOCD approval the excavation was partially lined with 20 mil poly liner and then 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.

CHA A	Approved by Environmental Specialist:			
Signature: Stephen Gwin				
Title: HES Specialist	Approval Date: 11/03/2015	Expiration Date: ///		
E-mail Address: Stephen.gwin@chevron.com Date: ///07/2005 Phone: 575-408-0073	Conditions of Approval:	Attached 1RP 3039		

\* Attach Additional Sheets If Necessary