ENVIRONMENTAL PLUS, INC.

2100 Ave 'O'
P.O. Box 1558
Eunice, NM 88231
ddominguezepi@gmail.com
Office: (575) 394-3481
Fax: (575) 394-2601

APPROVED
By Olivia Yu at 10:45 am, Jun 29, 2017

Site Characterization and Work Plan

Chevron USA, Inc.
Capps Federal #1
Lea County, New Mexico
Unit Letter "B", Section 24, Township 20 South, Range 38 East
Latitude 32.564022 North, Longitude 103.099990 West
NMOCD Reference #1RP-4579

NMOCD approves of the delineation completed and proposed remediation for 1RP-4579 with these conditions:
1) Excavation to 1 ft. bgs. for SP1 area granted.
2) Excavate area around SP2 to 4 ft. bgs. (as practicable and attainable, at least 3 ft. bgs.), and then properly set a minimal 20 mil liner.
3) Bottom and sidewall confirmation samples using Method 8015 extended for TPH and Method 300 for chlorides.

Prepared For:

Chevron USA, Inc.
6301 Deauville Blvd.
Midland, Texas 79706

Prepared By:

Environmental Plus, Inc.
2100 Ave 'O'
Eunice, NM 88231

March 2017

Daniel Dominguez
Project Manager

The following *Site Characterization and Work Plan* serves as a condensed update on field activities undertaken and proposed actions for the afore referenced Site.

Background:
The site is located in Unit Letter K (NE ¼ SW ¼), Section 8, Township 22 South, Range 37 East, approximately ten miles north-east of Eunice, in Lea County, New Mexico. The property is owned by the State of New Mexico and Administered by the BLM.

The release site is located within the bermed containment of an active tank battery; latitude 32.402572 North, longitude 103.189576 West. Area Map, Site Location Map, and Sample/Site Map are included as Figure 1, Figure 2, and Figure 3, respectively. The Initial NMOCD Form C-141 indicated that on January 7, 2017 approximately 26.80 barrels of produced water were released when a bleeder valve was opened releasing the fluid to bermed containment. A vacuum truck was dispatched to the site and recovered approximately 26 barrels, resulting in a net loss of .80 barrels of fluid. The visually stained area covers approximately 500 square feet. The Initial NMOCD Form C-141 in included as Attachment IV.

NMOCD Site Classification:
A search for water wells was completed utilizing the New Mexico Office of the State Engineer's (NMOSE) website. There are four wells located in the area surrounding the release site (reference *Table 1*). Also, no wells (domestic, agriculture or public) and no bodies of surface water exist within a 1,000-foot radius of the release site (reference *Figure 2*). The NMOSE database indicates average water depth is approximately 45 feet below ground surface (bgs) within a 2,000-meter radius (reference *Attachment II*).

Utilizing this information, the NMOCD guidelines indicate the Capps Federal #1 release site to have a ranking score of twenty. Based on this score, the NMOCD Recommended Remedial Action Levels (RRALs) for vertical delineation on this Site were determined as follows: Benzene – 10 mg/Kg, BTEX – 50 mg/Kg, TPH – 100 mg/Kg, and Chloride – 250 mg/Kg. The RRALs for horizontal delineation on this Site were determined as follows: Benzene – 10 mg/Kg, BTEX – 50 mg/Kg, TPH – 100 mg/Kg, and Chloride – 600 mg/Kg.

The fluid spread out to an area measuring approximately 6' x 69' within the bermed containment lined with caliche.

Delineation Progress:
On January 26, 2017 EPI personnel mobilized on site to collect soil samples to determine the vertical extent of contamination. A total of fourteen soil samples were collected from two sample locations; SP1 – SP2. Sampling activities ceased when refusal was met at SP2 with a hard caliche layer at ten feet bgs. These fourteen soil samples were field tested only (reference *Figure 3* and *Table 2*).

Portions of select soil samples were field tested for organic vapors and chloride concentrations. Soil samples collected for field testing of organic vapors were placed in self-sealing polyethylene bags and allowed to equilibrate to ~70° F. Field testing of organic vapors utilized a Mini-Rae™

ENVIRONMENTAL PLUS, INC.

Photoionization Detector (PID) equipped with a 10.6 electron-volt (eV) calibrated for benzene response. Chloride concentrations were determined via use of a LaMotte Chloride Kit (Titration Method).

Soil samples designated for laboratory analyses were collected into laboratory provided glass containers, labeled and inserted into self-sealing polyethylene bags, placed in a cooler, chilled and transported to an independent laboratory for quantification of contaminant concentrations under Chain-of-Custody protocol.

On March 24, 2017 EPI personnel mobilized on site to collect soil samples to determine the vertical and horizontal extent of contamination. A total of eight vertical soil samples were collected from two sample locations; SP1 – SP2. Four representative samples, one from surface and TD at each sample location, were sent to Cardinal Labs in Hobbs, New Mexico, for testing. Laboratory analytical results indicate that TPH and Chloride concentrations more than NMOCD RRALs are present at the surface, though not at TD.

A total of eight horizontal soil samples were collected from four sample locations surrounding the release area; SP4 – SP7. All eight soil samples were sent to Cardinal Labs in Hobbs, New Mexico, for chloride testing. Laboratory analytical results indicate that Chloride concentrations in the area adjacent to the release area, horizontally, are below NMOCD RRALs of 600 mg/Kg (reference *Figure 3* and *Table 2*).

Proposed Actions:
Taking into consideration the release occurred on an active tank battery, and field testing indicating TPH and Chloride levels above NMOCD RRALs between surface and twenty-two feet bgs (reference *Table 2*), EPI proposes to excavate the tank battery area to one foot bgs and then backfill with one foot of caliche to impede further vertical migration of impacts. The area adjacent to the release area on the tank battery pad, horizontally, will not be disturbed.

Caliche will be free of deleterious material or rocks or large clumps. Backfilling will continue until the entire excavation is closed. Upon completion of backfill activities, the entire disturbed area will be contoured to blend with tank battery area and protected against wind/water erosion.

Revegetation Plan:
As the release area occurred within a bermed tank battery on a lease pad, no seeding will be required.

Noxious Weed Management Plan:
This location is an active oil operation pad. Chevron routinely maintains the entire pad to be free of any vegetation and weeds for the safety of personnel.

Following completion of NMOCD approved Proposed Actions, EPI will provide a detailed *Final Closure Report* to Chevron and NMOCD personnel. Chevron and EPI personnel would welcome an opportunity to briefly discuss the *Work Plan* at your earliest convenience. However, 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 or Ms. Josepha DeLeon at (432) 425-1528 or via e-mail at jdxd@chevron.com. All official communication should be addressed to:

Ms. Josepha DeLeon
Chevron USA, Inc.
6301 Deauville Blvd.
Midland, Texas 79706

Sincerely,

ENVIRONMENTAL PLUS, INC.

Daniel Dominguez
Environmental Consultant

cc: Olivia Yu, Environmental Specialist – NMOCD District 1, Hobbs, NM
Josepha DeLeon, HES Specialist – Compliance Support - Environmental – Chevron
File

Encl.: Figure 1 – Area Map
Figure 2 – Site Location Map
Figure 3 – Sample/Site Map
Table 1 – Well Data
Table 2 – Summary of Soil Sample Field Testing and Laboratory Analytical Results
Attachment I – Photographs
Attachment II – NMOSE Average Depth to Groundwater
Attachment III – Laboratory Analytical Results
Attachment IV – Copy of Initial NMOCD Form C-141

FIGURES

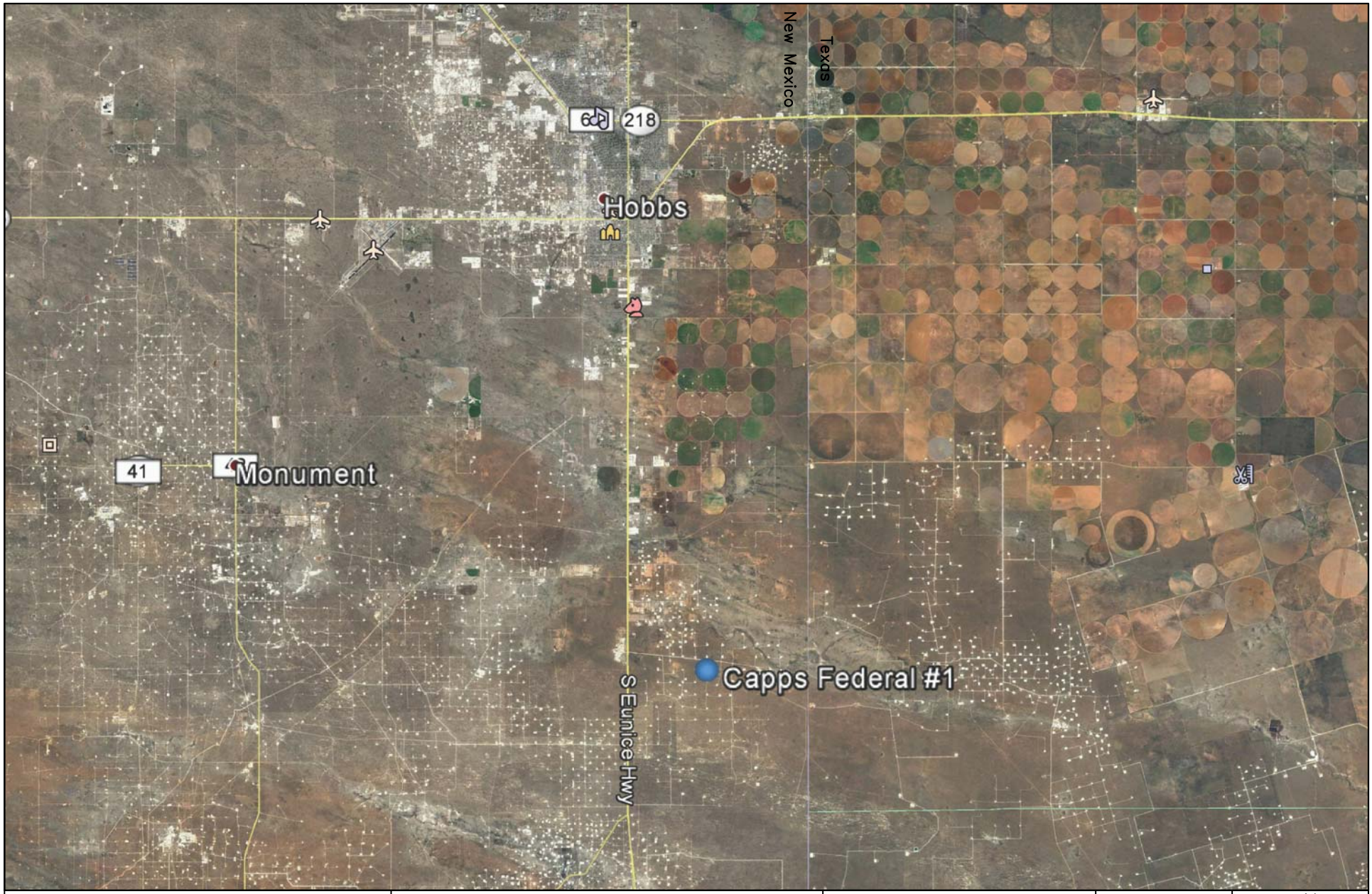

Figure 1 Area Map Chevron Capps Federal #1	Lea County, New Mexico NW 1/4 of NE 1/4, Sec. 24, T20S, R38E N 32° 33' 50.37" W 103° 05' 59.91" Elevation: 3,583 feet amsl	DWG By: D Dominguez March 2017 0 3 6 Miles	REVISED: SHEET 1 of 1 N

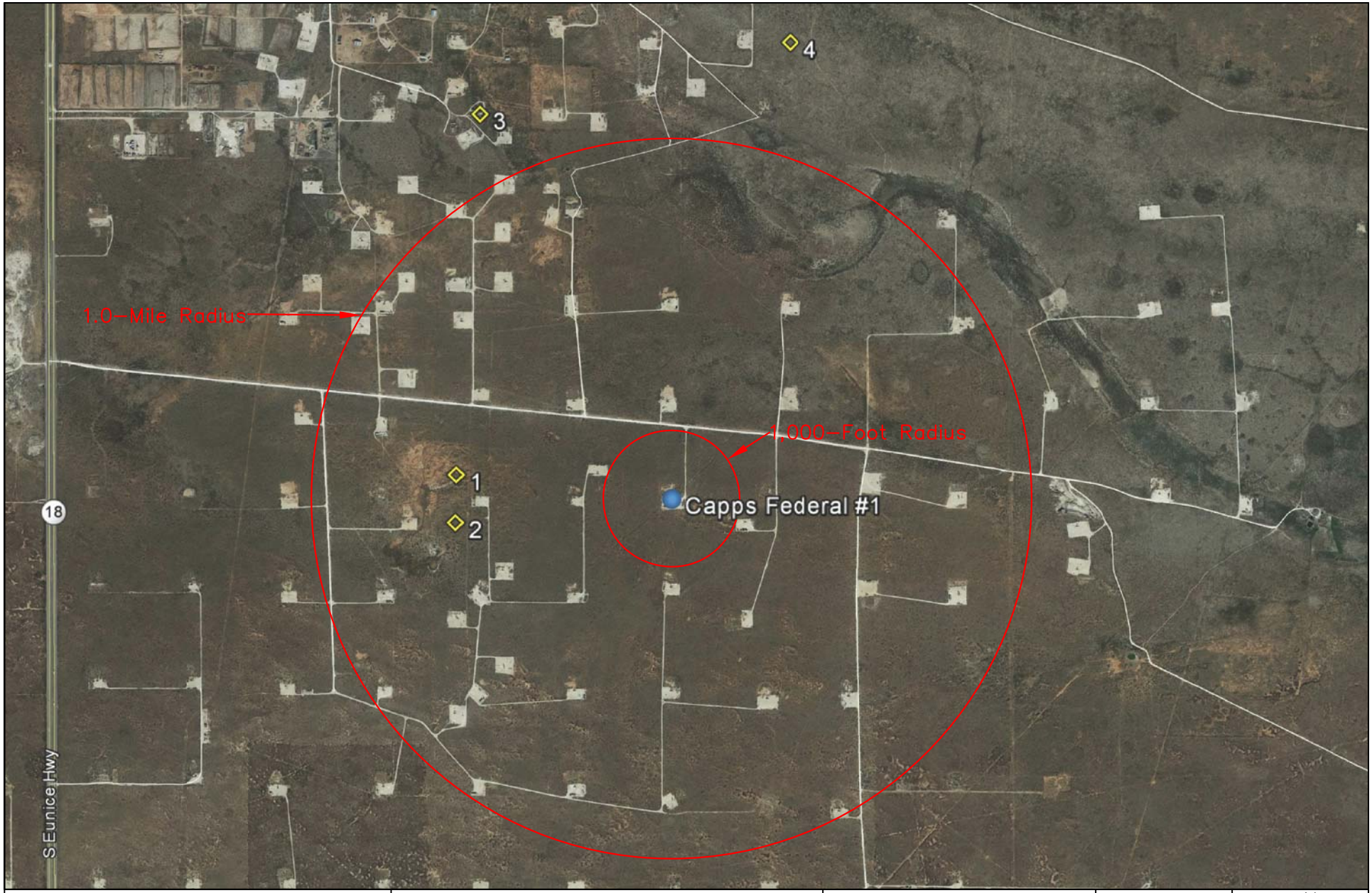

Figure 2 Site Location Map Chevron Capps Federal #1	Lea County, New Mexico NW 1/4 of NE 1/4, Sec. 24, T20S, R38E N 32° 33' 50.37" W 103° 05' 59.91" Elevation: 3,583 feet amsl	DWG By: D Dominguez March 2017 0 2,000 4,000 Feet	REVISED: SHEET 1 of 1 N

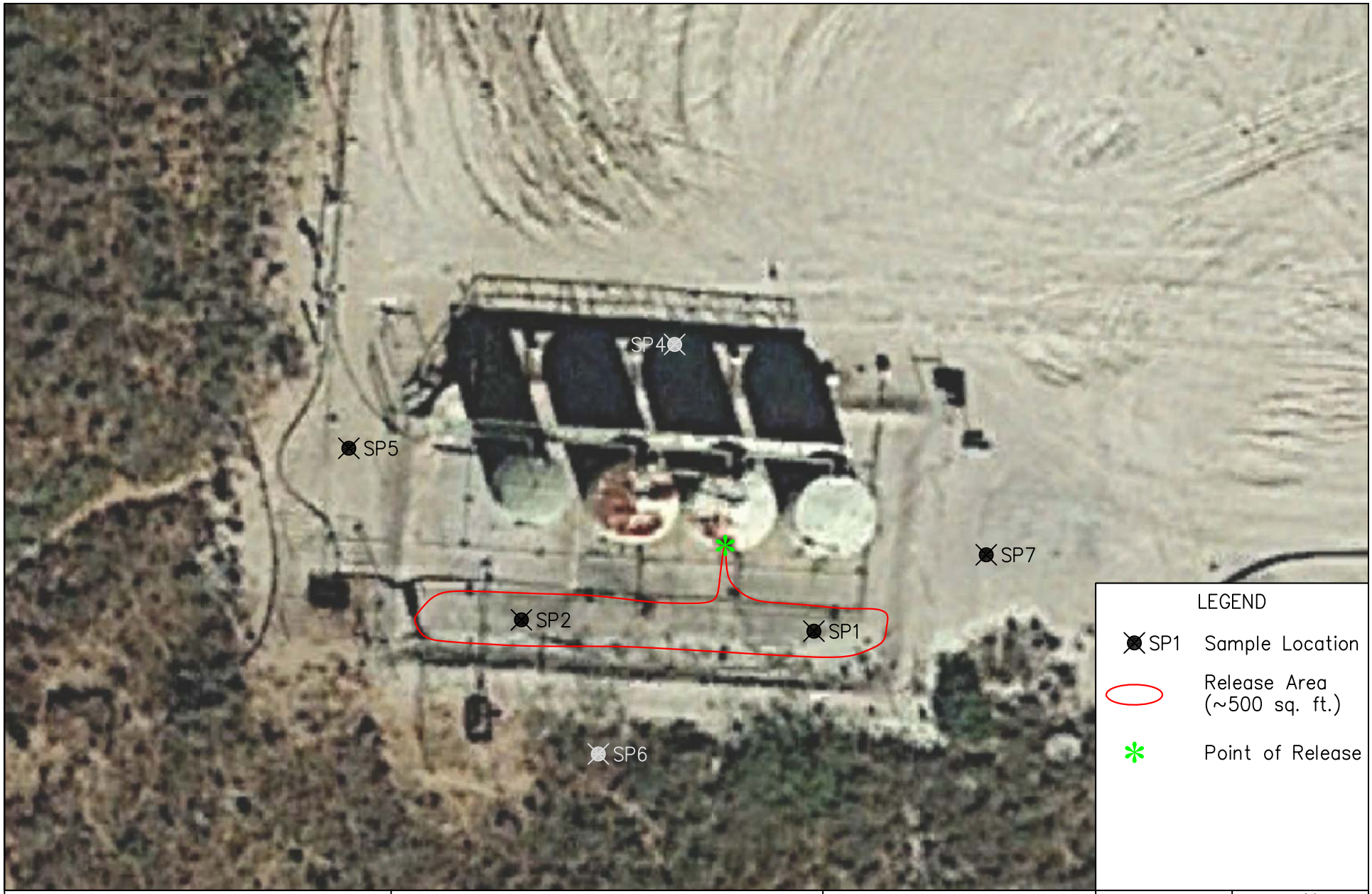

Figure 3
Site/Sample Map
Chevron
Capps Federal #1

Lea County, New Mexico
NW 1/4 of NE 1/4, Sec. 24, T20S, R38E
N 32° 33' 50.37" W 103° 05' 59.91"
Elevation: 3,583 feet amsl

DWG By: D Dominguez
March 2017

REVISED:

0 20 40
Feet

SHEET
1 of 1

N

TABLES

TABLE 1

Well Data

Chevron - Capps Federal #1

Ref #	Well Number	Use	Diversion[A]	Owner	q64	q16	q4	Sec	Twsp	Rng	Easting	Northing	Distance[B]	Date Measured	Surface Elevation[C]	Depth to Water (ft bgs)
1	L 10055	STK	3	DALLAS MCCASLAND	1	1	1	24	20S	38E	677465	3604628	913	13-Dec-88	3,585	30
2	L 10057	STK	3	DALLAS MCCASLAND	3	1	1	24	20S	38E	677465	3604428	916	29-Dec-88	3,580	--
3	L 08310	STK	3	ALTON HOWSE		1	1	13	20S	38E	677536	3606140	1,801	10-Jul-80	3,569	42
4	L 02735	STK	3	EARL KORNEGAY	4	4	4	12	20S	38E	678836	3606463	1,971	27-Dec-54	3,575	65

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

[A] = In acre feet per annum [B] = In meters [C] = Elevation interpolated from USGS topographical map based on referenced location.

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

STK = 72-12-1 Livestock watering

TABLE 2

Summary of Soil Sample Field Test and Laboratory Analytical Results

Chevron

Capps Federal #1

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)
SP1	Surface	In-Situ	26-Jan-17	1,062	120	--	--	--	--	--	--	--	--	--
	Surface	In-Situ	24-Mar-17	424	120	<0.050	0.090	0.181	0.864	1.14	24.3	823	**847**	32
	1	In-Situ	26-Jan-17	499	120	--	--	--	--	--	--	--	--	--
	2	In-Situ	26-Jan-17	40.4	120	--	--	--	--	--	--	--	--	--
	3	In-Situ	26-Jan-17	17.1	120	--	--	--	--	--	--	--	--	--
	4	In-Situ	24-Mar-17	0	80	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<20.0	32
SP2	Surface	In-Situ	26-Jan-17	706.0	80	--	--	--	--	--	--	--	--	--
	Surface	In-Situ	24-Mar-17	841.0	240	0.055	0.689	1.16	4.71	6.62	116	7,820	**7,936**	**288**
	1	In-Situ	26-Jan-17	513.0	160	--	--	--	--	--	--	--	--	--
	2	In-Situ	26-Jan-17	783.0	240	--	--	--	--	--	--	--	--	--
	3	In-Situ	26-Jan-17	1,086.0	240	--	--	--	--	--	--	--	--	--
	4	In-Situ	26-Jan-17	843.0	320	--	--	--	--	--	--	--	--	--
	5	In-Situ	26-Jan-17	321.0	320	--	--	--	--	--	--	--	--	--
	6	In-Situ	26-Jan-17	732	400	--	--	--	--	--	--	--	--	--
	7	In-Situ	26-Jan-17	910	480	--	--	--	--	--	--	--	--	--
	8	In-Situ	26-Jan-17	533	480	--	--	--	--	--	--	--	--	--
	9	In-Situ	26-Jan-17	1,261	1,000	--	--	--	--	--	--	--	--	--
	10	In-Situ	24-Mar-17	1,250	840	--	--	--	--	--	--	--	--	--
	14	In-Situ	24-Mar-17	850	640	--	--	--	--	--	--	--	--	--
	18	In-Situ	24-Mar-17	0	400	--	--	--	--	--	--	--	--	--
	20	In-Situ	24-Mar-17	0	240	--	--	--	--	--	--	--	--	--
	22	In-Situ	24-Mar-17	0	160	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<20.0	112

TABLE 2

Summary of Soil Sample Field Test and Laboratory Analytical Results

Chevron

Capps Federal #1

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)
SP4	Surface	In-Situ	24-Mar-17	0	80	--	--	--	--	--	--	--	--	400
	3	In-Situ	24-Mar-17	0	80	--	--	--	--	--	--	--	--	32
SP5	Surface	In-Situ	24-Mar-17	0	80	--	--	--	--	--	--	--	--	384
	3	In-Situ	24-Mar-17	0	80	--	--	--	--	--	--	--	--	32
SP6	Surface	In-Situ	24-Mar-17	0	80	--	--	--	--	--	--	--	--	32
	3	In-Situ	24-Mar-17	0	80	--	--	--	--	--	--	--	--	48
SP7	Surface	In-Situ	24-Mar-17	0	80	--	--	--	--	--	--	--	--	448
	3	In-Situ	24-Mar-17	0	80	--	--	--	--	--	--	--	--	32
NMOCD Recommended Remedial Action Levels				100		10				50			100	250

- - = Not Analyzed

Bold *values are in excess of NMOCD Recommended Remedial Action Levels*

ATTACHMENTS

ATTACHMENT I
Photographs

Photograph #1- Point of release

Photograph #2- Looking across release area

ATTACHMENT II
NMOSE Average Depth to Groundwater

New Mexico Office of the State Engineer
Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced, O=orphaned, C=the file is closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters) (In feet)

POD Number	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
L 10055 POD1	L	LE	1	1	1	24	20S	38E	677465	3604628*	913	53	30	23
L 10057 POD1	L	LE	3	1	1	24	20S	38E	677465	3604428*	916	58		
L 08310	L	LE		1	1	13	20S	38E	677536	3606140*	1801	65	42	23
L 02735	L	LE	4	4	4	12	20S	38E	678836	3606463*	1971	90	65	25

Average Depth to Water: **45 feet**

Minimum Depth: **30 feet**

Maximum Depth: **65 feet**

Record Count: 4

UTMNAD83 Radius Search (in meters):

Easting (X): 678374.34 **Northing (Y):** 3604545.89 **Radius:** 2000

***UTM location was derived from PLSS - see Help**

ATTACHMENT III
Laboratory Analytical Results

CARDINAL Laboratories

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

April 03, 2017

Daniel Dominguez

Environmental Plus, Inc.

P.O. Box 1558

Eunice, NM 88231

RE: CAPPS FEDERAL #1

Enclosed are the results of analyses for samples received by the laboratory on 03/27/17 14:05.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-16-8. 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.

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. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	03/27/2017	Sampling Date:	03/24/2017
Reported:	04/03/2017	Sampling Type:	Soil
Project Name:	CAPPS FEDERAL #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	UL-B SEC.24, T20S, R38E		

Sample ID: SP 1 (SURFACE) (H700795-01)

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	03/29/2017	ND	1.77	88.5	2.00	1.48	
Toluene*	**0.090**	0.050	03/29/2017	ND	1.72	85.8	2.00	1.02	
Ethylbenzene*	**0.181**	0.050	03/29/2017	ND	1.74	87.2	2.00	2.13	
Total Xylenes*	**0.867**	0.150	03/29/2017	ND	5.00	83.3	6.00	1.90	
Total BTEX	**1.14**	0.300	03/29/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID *101 %* *72-148*

Chloride, SM4500Cl-B mg/kg **Analyzed By: HM**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	03/28/2017	ND	432	108	400	10.5	

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	**24.3**	10.0	03/28/2017	ND	193	96.7	200	0.392	
DRO >C10-C28	**823**	10.0	03/28/2017	ND	206	103	200	0.956	

Surrogate: 1-Chlorooctane *86.1 %* *25.1-158*

Surrogate: 1-Chlorooctadecane *93.3 %* *26.8-170*

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	03/27/2017	Sampling Date:	03/24/2017
Reported:	04/03/2017	Sampling Type:	Soil
Project Name:	CAPPS FEDERAL #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	UL-B SEC.24, T20S, R38E		

Sample ID: SP 1 (4') (H700795-02)

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	03/29/2017	ND	1.77	88.5	2.00	1.48	
Toluene*	<0.050	0.050	03/29/2017	ND	1.72	85.8	2.00	1.02	
Ethylbenzene*	<0.050	0.050	03/29/2017	ND	1.74	87.2	2.00	2.13	
Total Xylenes*	<0.150	0.150	03/29/2017	ND	5.00	83.3	6.00	1.90	
Total BTEX	<0.300	0.300	03/29/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID *97.7 %* *72-148*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	03/28/2017	ND	432	108	400	10.5	

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	03/28/2017	ND	193	96.7	200	0.392	
DRO >C10-C28	<10.0	10.0	03/28/2017	ND	206	103	200	0.956	

Surrogate: 1-Chlorooctane *90.8 %* *25.1-158*

Surrogate: 1-Chlorooctadecane *97.9 %* *26.8-170*

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	03/27/2017	Sampling Date:	03/24/2017
Reported:	04/03/2017	Sampling Type:	Soil
Project Name:	CAPPS FEDERAL #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	UL-B SEC.24, T20S, R38E		

Sample ID: SP 2 (SURFACE) (H700795-03)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	**0.055**	0.050	03/29/2017	ND	1.77	88.5	2.00	1.48	
Toluene*	**0.689**	0.050	03/29/2017	ND	1.72	85.8	2.00	1.02	
Ethylbenzene*	**1.16**	0.050	03/29/2017	ND	1.74	87.2	2.00	2.13	
Total Xylenes*	**4.71**	0.150	03/29/2017	ND	5.00	83.3	6.00	1.90	
Total BTEX	**6.62**	0.300	03/29/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID *130 %* *72-148*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**288**	16.0	03/28/2017	ND	432	108	400	10.5	

TPH 8015M mg/kg Analyzed By: MS S-06

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	**116**	50.0	03/28/2017	ND	193	96.7	200	0.392	
DRO >C10-C28	**7820**	50.0	03/28/2017	ND	206	103	200	0.956	

Surrogate: 1-Chlorooctane *119 %* *25.1-158*

Surrogate: 1-Chlorooctadecane *214 %* *26.8-170*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	03/27/2017	Sampling Date:	03/24/2017
Reported:	04/03/2017	Sampling Type:	Soil
Project Name:	CAPPS FEDERAL #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	UL-B SEC.24, T20S, R38E		

Sample ID: SP 2 (22') (H700795-04)

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	03/29/2017	ND	1.77	88.5	2.00	1.48	
Toluene*	<0.050	0.050	03/29/2017	ND	1.72	85.8	2.00	1.02	
Ethylbenzene*	<0.050	0.050	03/29/2017	ND	1.74	87.2	2.00	2.13	
Total Xylenes*	<0.150	0.150	03/29/2017	ND	5.00	83.3	6.00	1.90	
Total BTEX	<0.300	0.300	03/29/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID *96.8 %* *72-148*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**112**	16.0	03/28/2017	ND	432	108	400	10.5	

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	03/28/2017	ND	193	96.7	200	0.392	
DRO >C10-C28	<10.0	10.0	03/28/2017	ND	206	103	200	0.956	

Surrogate: 1-Chlorooctane *82.6 %* *25.1-158*

Surrogate: 1-Chlorooctadecane *92.0 %* *26.8-170*

Sample ID: SP 4 (SURFACE) (H700795-05)

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**400**	16.0	03/28/2017	ND	432	108	400	10.5	

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	03/27/2017	Sampling Date:	03/24/2017
Reported:	04/03/2017	Sampling Type:	Soil
Project Name:	CAPPS FEDERAL #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	UL-B SEC.24, T20S, R38E		

Sample ID: SP 4 (3') (H700795-06)

Chloride, SM4500Cl-B **mg/kg** **Analyzed By: HM**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	03/28/2017	ND	432	108	400	10.5	

Sample ID: SP 5 (SURFACE) (H700795-07)

Chloride, SM4500Cl-B **mg/kg** **Analyzed By: HM**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**384**	16.0	03/28/2017	ND	432	108	400	10.5	

Sample ID: SP 5 (3') (H700795-08)

Chloride, SM4500Cl-B **mg/kg** **Analyzed By: HM**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	03/28/2017	ND	432	108	400	10.5	

Sample ID: SP 6 (SURFACE) (H700795-09)

Chloride, SM4500Cl-B **mg/kg** **Analyzed By: HM**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	03/29/2017	ND	448	112	400	0.00	

Sample ID: SP 6 (3') (H700795-10)

Chloride, SM4500Cl-B **mg/kg** **Analyzed By: HM**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	03/29/2017	ND	448	112	400	0.00	

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	03/27/2017	Sampling Date:	03/24/2017
Reported:	04/03/2017	Sampling Type:	Soil
Project Name:	CAPPS FEDERAL #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	UL-B SEC.24, T20S, R38E		

Sample ID: SP 7 (SURFACE) (H700795-11)

Chloride, SM4500Cl-B **mg/kg** **Analyzed By: HM**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**448**	16.0	03/29/2017	ND	448	112	400	0.00	

Sample ID: SP 7 (3') (H700795-12)

Chloride, SM4500Cl-B **mg/kg** **Analyzed By: HM**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	03/29/2017	ND	448	112	400	0.00	

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
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

Celey D. Keene, Lab Director/Quality Manager

Environmental Plus, Inc.

2100 Avenue O, Eunice, NM 88231 P.O. Box 1558, Eunice, NM 88231
(575) 394-3481 FAX: (575) 394-2601

Chain of Custody Form

LAB Cardinal

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	Capps Federal #1
Location	UL-B Sec. 24, T20S, R38E
Project Reference	
EPI Sampler Name	Dustin Crockett

Bill To

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

ANALYSIS REQUEST

LAB I.D.	SAMPLE I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUND WATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE	ICE/COOL	OTHER	SAMPLING: DATE	TIME	BTEX 8021B	TPH 8015M	CHLORIDES (Cl^-)	SULFATES ($SO_4^{=}$)	pH	TCLP	OTHER >>>	PAH			
H700795																									
1	SP1 (Surface)	G	1			X					X		24-Mar-17	10:05	X	X	X								
2	SP1 (4')	G	1			X					X		24-Mar-17	13:45	X	X	X								
3	SP2 (Surface)	G	1			X					X		24-Mar-17	10:45	X	X	X								
4	SP2 (22')	G	1			X					X		24-Mar-17	13:05	X	X	X								
5	SP4 (Surface)	G	1			X					X		24-Mar-17	7:55			X								
6	SP4 (3')	G	1			X					X		24-Mar-17	8:05			X								
7	SP5 (Surface)	G	1			X					X		24-Mar-17	7:35			X								
8	SP5 (3')	G	1			X					X		24-Mar-17	7:45			X								
9	SP6 (Surface)	G	1			X					X		24-Mar-17	8:40			X								
10	SP6 (3')	G	1			X					X		24-Mar-17	8:50			X								

Sampler Relinquished: Dustin Crockett
Date 3/27/17
Time 6:00 am
Received By: Daniel Dominguez

Relinquished by:
Date 3-27-17
Time 14:05
Received By: (lab staff) Tamara Oldaker

Delivered by: -6.6
Sample Cool & Intact: Yes No
Checked By: TO #75

E-mail results to: ddominguezepi@gmail.com & bboone.epi@gmail.com

NOTES:

Environmental Plus, Inc.

2100 Avenue O, Eunice, NM 88231 P.O. Box 1558, Eunice, NM 88231
(575) 394-3481 FAX: (575) 394-2601

Chain of Custody Form

LAB Cardinal

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	Capps Federal #1
Location	UL-B Sec. 24, T20S, R38E
Project Reference	
EPI Sampler Name	Dustin Crockett

Bill To

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

ANALYSIS REQUEST

LAB I.D.	SAMPLE I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUND WATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE	ICE/COOL	OTHER	SAMPLING: DATE	TIME	BTEX 8021B	TPH 8015M	CHLORIDES (Cl^-)	SULFATES ($SO_4^{=}$)	pH	TCLP	OTHER >>>	PAH			
H700795																									
11	SP7 (Surface)	G	1			X					X		24-Mar-17	8:15			X								
12	SP7 (3')	G	1			X					X		24-Mar-17	8:30			X								
13																									
14																									
15																									
16																									
17																									
18																									
19																									
20																									

Sampler Relinquished: Dustin Crockett Date 3/27/17 Time 6:00 am Received By:

Relinquished by: Date 3-27-17 Time 14:05 Received By: (lab staff) Tamara Oldaker

Delivered by: -6.6° Sample Cool & Intact: (Yes) No Checked By: T.O. #75

E-mail results to: ddominguezepi@gmail.com & bboone.epi@gmail.com

NOTES:

ATTACHMENT IV
Copy of Initial 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

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company: Chevron USA, Inc.	Contact: Josepha DeLeon
Address: 6301 Deauville Blvd., Midland, TX 79706	Telephone No.: ofc: 575-263-0424; mobile: 432-425-1528
Facility Name: Capps Federal No. 1	Facility Type: Oilwell

Surface Owner: Federal	Mineral Owner: Federal	API No. 3002534267

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
B	24	20S	38E	660	North	1980	East	Eddy

Latitude_____ **Longitude**_____ 32.5640221,-103.0999908

NATURE OF RELEASE

Type of Release: Spill	Volume of Release: 26.80 barrels produced water	Volume Recovered: 26 barrels produced water
Source of Release: Bleeder Valve	Date and Hour of Occurrence: 01/072017; 1:30 PM	Date and Hour of Discovery 01/07/2017; 1:30 PM
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? Maxey Brown	
By Whom? Josepha DeLeon	Date and Hour: 01/07/2017; 2:00 pm	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*
N/A

RECEIVED
By Olivia Yu at 2:17 pm, Feb 06, 2017

Describe Cause of Problem and Remedial Action Taken.*

Suspected vandalism – Sherriff department was called to location. Field specialist found open bleeder valve at bottom of tank. Isolated lease to close valve.

Describe Area Affected and Cleanup Action Taken.*

Fluid released into the bermed containment. Vacuum truck extracted standing liquid. Recovered 26 barrels produced water. Remediation plan will follow.

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: JdeLeon	OIL CONSERVATION DIVISION
Printed Name: Josepha DeLeon	Approved by Environmental Specialist:
Title: HES Specialist – Compliance Support - Environmental	Approval Date: 02/6/2017 Expiration Date:
E-mail Address: jdxd@chevron.com	Conditions of Approval: see attached directive Attached ☑
Date: 01/19/2017 Phone: 432-425-1528	

* Attach Additional Sheets If Necessary

1RP-4579 pOY1703751433 nOY1703751016