

ENVIRONMENTAL PLUS, INC.

2100 AVE 'O'
P.O. BOX 1558
EUNICE, NM 88231
ddominguezepi@gmail.com
Office: (575) 394-3481
Fax: (575) 394-2601



Site Characterization and Work Plan

**Legacy, L.P.
Jal Cooper #239
Lea County, New Mexico
Unit Letter "H", Section 25, Township 24 South, Range 36 East
Latitude 32.190606 North, Longitude 103.210428 West
NMOCD Reference #1RP-4536**

Prepared For:

Legacy, L.P.
P.O. Box 10848
Midland, Texas 79702

Prepared By:

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

February 2017

A handwritten signature in black ink, appearing to read 'Daniel Dominguez', is written over a horizontal line.

Daniel Dominguez
Project Manager

APPROVED

By Olivia Yu at 9:04 am, May 04, 2017

NMOCD approves the delineation
workplan for 1RP-4536.

-Bottom confirmation samples are
requested for SP5 and SP6 at 3
ft. bgs.



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 H (SE ¼ NE ¼), Section 25, Township 24 South, Range 36 East, approximately five miles north-west of Jal, in Lea County, New Mexico. The property is owned by the Woolworth Trust.

The release site is located on an active lease road; latitude 32.190606 North, longitude 103.210428 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 December 15, 2016 approximately 130 barrels of produced water was released when an injection line developed a leak releasing the fluid to lease road and pasture. A vacuum truck was dispatched to the site and recovered approximately 90 barrels, resulting in a net loss of 40 barrels of produced water. The visually stained area covers approximately 37,500 square feet of lease road and 56,500 square feet of pasture area totaling 94,000 square feet. The Initial NMOCD Form C-141 is 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 two wells located in the area surrounding the release site (reference *Table I*). 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 135 feet below ground surface (bgs) within a 2,000-meter radius of the release site (reference *Attachment II*).

Utilizing this information, the NMOCD guidelines indicate the Jal Cooper #239 release site to have a ranking score of zero. Based on this score, the NMOCD Recommended Remedial Action Levels (RRALs) for this Site were determined as follows: Benzene – 10 mg/Kg, BTEX – 50 mg/Kg, TPH – 5,000 mg/Kg, and Chloride – 1,000 mg/Kg.

The produced water traveled down the lease road approximately 2,000'. This area is sandy topsoil over compacted caliche. Approximately 1,800' down the road, the produced water entered the pasture covering an area approximately 230' x 320'. This area is sandy topsoil over caliche.

Delineation Progress:

On December 16, 21, and 27, 2016 and January 9, 2017 EPI personnel mobilized on site to collect soil samples to determine the vertical extent of contamination. A total of thirty-three soil samples were collected from six sample locations; SP1 – SP6. Six representative samples, one from TD at each sample location, were sent to Cardinal Labs in Hobbs, New Mexico, for chloride testing. Laboratory analytical results indicate that, apart from SP1 at four feet bgs, the release area is void of Chloride concentrations more than NMOCD RRALs of 1,000 mg/Kg (reference *Figure 3* and *Table 2*).

On February 27-28, 2017 EPI personnel mobilized on site to collect soil samples to determine the vertical and horizontal extent of contamination. A total of thirteen vertical soil samples were collected from six sample locations; SP1 – SP6. Six representative samples, one from TD at each sample location, were sent to Cardinal Labs in Hobbs, New Mexico, for chloride testing. Laboratory analytical results indicate that Chloride concentrations more than NMOCD RRALs of 1,000 mg/Kg are not present at eighteen to twenty-two feet bgs.

A total of twenty-two horizontal soil samples were collected from six sample locations surrounding the release area; SP1 E – SP6 S. All twenty-two soil samples were sent to Cardinal Labs in Hobbs, New Mexico, for chloride testing. Laboratory analytical results indicate that the area adjacent to the release area, horizontally, is void of Chloride concentrations more than NMOCD RRALs of 1,000 mg/Kg (reference *Figure 3* and *Table 2*).

Proposed Actions:

Taking into consideration the release occurred on an active lease road, and field chloride testing indicating chloride levels above NMOCD RRALs between three and six feet bgs (reference *Table 2*), EPI proposes to excavate the lease road area to one foot bgs and then backfill with one foot of caliche to impede the further vertical migration of chloride impacts.

Field chloride testing in the area off the road in the pasture indicate chloride levels above NMOCD RRALs to two feet bgs (reference *Table 2*). EPI proposes to excavate this area to three feet bgs to ensure removal of chloride impacts. The pasture excavation will first be backfilled with two feet of caliche and then one foot of select top soil to finish grade. Top soil and 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 existing lease road and pasture area and protected against wind/water erosion. The disturbed pasture area will be seeded with a mixture approved by the property owner. However, it is recommended completing this activity in late spring 2017 when ground conditions are more conducive to vegetative growth.

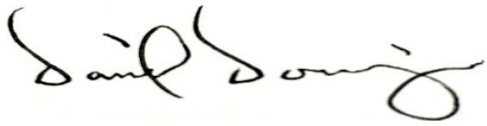
Following completion of NMOCD approved Proposed Actions, EPI will provide a detailed *Final Closure Report* to Legacy, L.P. and NMOCD personnel. Legacy, L.P. and EPI personnel would welcome an opportunity to briefly discuss the *Work Plan* at your earliest convenience.

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 Mr. Steven Dittman at (432) 312-4757 or via e-mail at sdittman@legacylp.com. All official communication should be addressed to:

Mr. Steven Dittman
Legacy, L.P.
P.O. Box 10848
Midland, TX 79702

Sincerely,

ENVIRONMENTAL PLUS, INC.

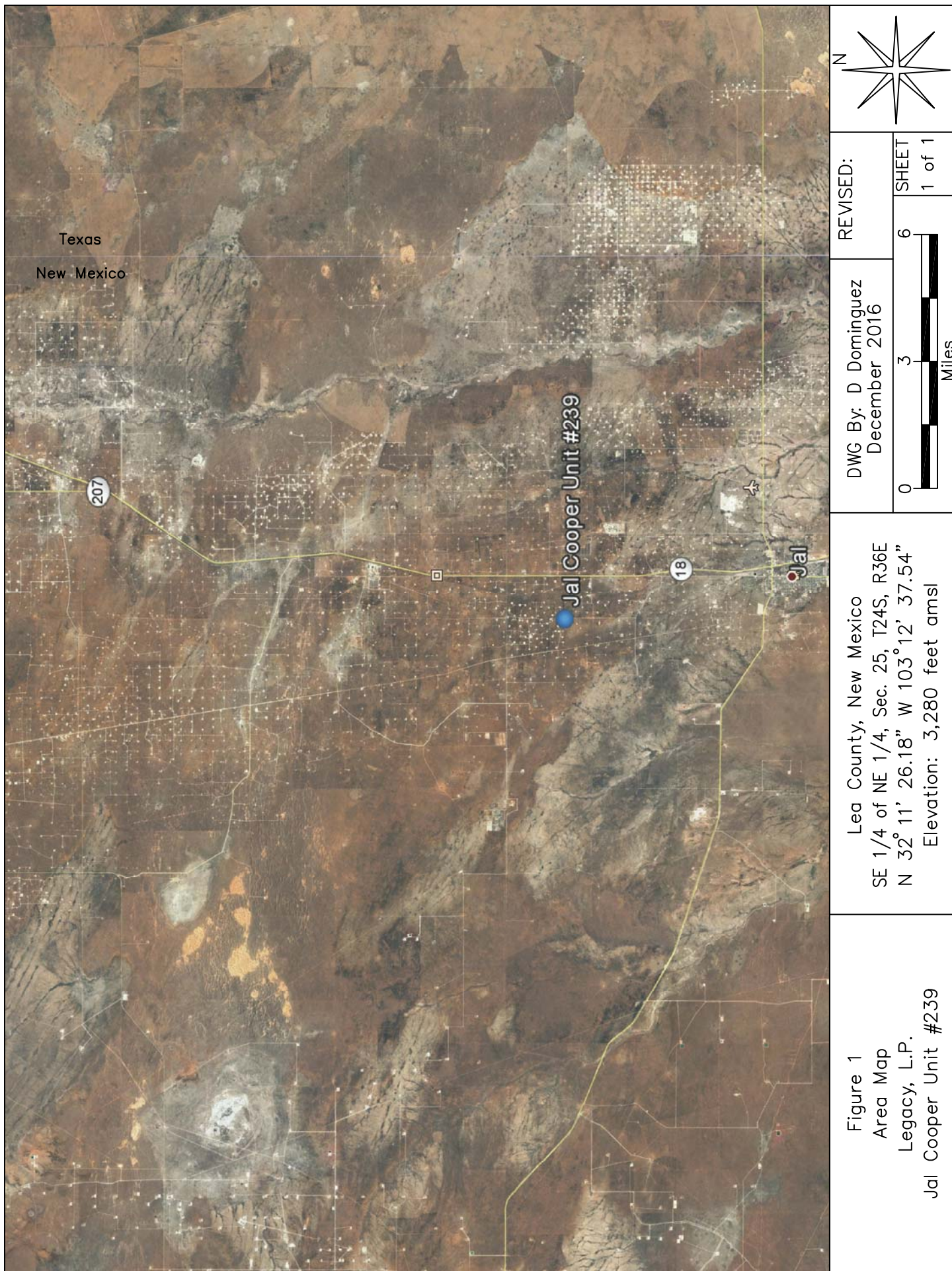


Daniel Dominguez
Environmental Consultant

cc: Olivia Yu, Environmental Specialist – NMOCD District 1, Hobbs
Steven Dittman, Production Tech – Legacy, L.P.
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





<p>Figure 2 Site Location Map Legacy, L.P. Jal Cooper Unit #239</p>	<p>Lea County, New Mexico SE 1/4 of NE 1/4, Sec. 25, T24S, R36E N 32° 11' 26.18" W 103° 12' 37.54" Elevation: 3,280 feet amsl</p>
<p>DWG By: D Dominguez December 2016</p>	<p>REVISED:</p>
<p>0 2,000 4,000 Feet</p>	<p>4,000 SHEET 1 of 1</p>

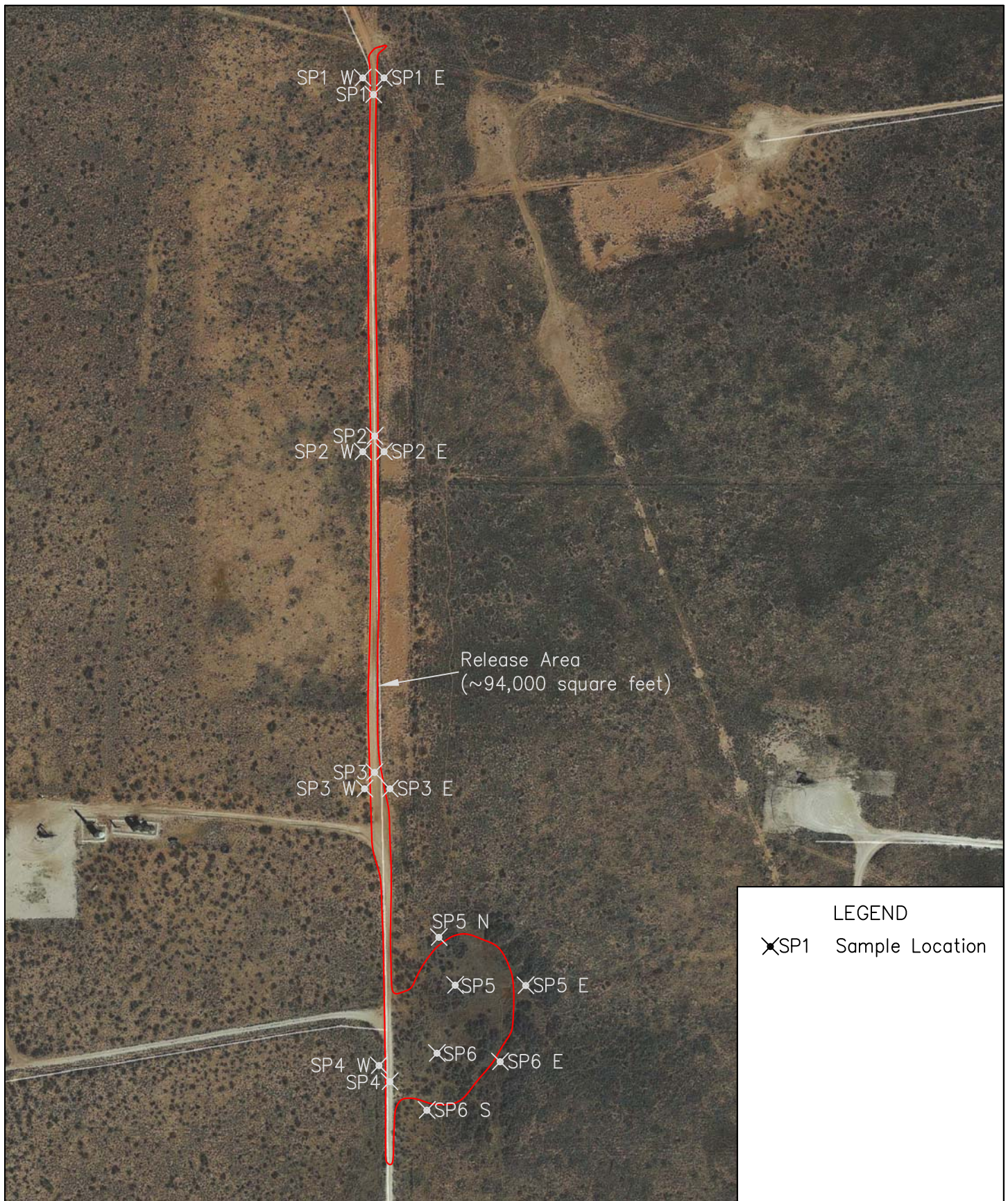
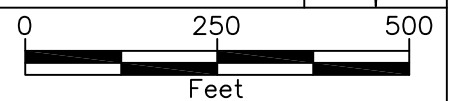
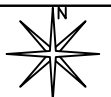


Figure 3
Sample/Site Map
Legacy, L.P.
Jal Cooper Unit #239

Lea County, New Mexico
SE 1/4 of NE 1/4, Sec. 25, T24S, R36E
N 32° 11' 26.18" W 103° 12' 37.54"
Elevation: 3,280 feet amsl

DWG By: D Dominguez
December 2016



TABLES

TABLE 1

Well Data

Legacy, L.P. - Jal Cooper Unit #239

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	CP 01188	MON	0	CHEVRON ENVIRONMENTAL MGMT	2	1	4	24	24S	36E	668131	3564233	1,151	30-Sep-13	3,327	136
2	CP 01174	MON	0	ENVIRONMENTAL COMPLIANCE	2	4	2	24	24S	36E	668516	3564680	1,722	--	3,306	--

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

^A = In acre feet per annum

^B = In meters

^C = Elevation interpolated from USGS topographical map based on referenced location.

-- = Data not provided

MON = Monitoring Well

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
Legacy, L.P.
Jal Cooper Unit #239

Lab 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	Excavated	16-Dec-16	--	2,800	--	--	--	--	--	--	--	--	--
	1	In Situ	16-Dec-16	--	2,400	--	--	--	--	--	--	--	--	--
	2	In Situ	16-Dec-16	--	1,600	--	--	--	--	--	--	--	--	--
	3	In Situ	16-Dec-16	--	3,040	--	--	--	--	--	--	--	--	--
	4	In Situ	09-Jan-17	--	720	--	--	--	--	--	--	--	--	1,150
	14	In Situ	27-Feb-17	--	160	--	--	--	--	--	--	--	--	--
	18	In Situ	27-Feb-17	--	160	--	--	--	--	--	--	--	--	128
SP2	Surface	Excavated	16-Dec-16	--	4,000	--	--	--	--	--	--	--	--	--
	1	In Situ	16-Dec-16	--	1,200	--	--	--	--	--	--	--	--	--
	2	In Situ	16-Dec-16	--	1,400	--	--	--	--	--	--	--	--	--
	3	In Situ	16-Dec-16	--	2,320	--	--	--	--	--	--	--	--	--
	4	In Situ	09-Jan-17	--	1,600	--	--	--	--	--	--	--	--	--
	6	In Situ	09-Jan-17	--	1,880	--	--	--	--	--	--	--	--	--
	10	In Situ	09-Jan-17	--	960	--	--	--	--	--	--	--	--	864
	14	In Situ	27-Feb-17	--	160	--	--	--	--	--	--	--	--	--
	18	In Situ	27-Feb-17	--	160	--	--	--	--	--	--	--	--	192

TABLE 2

Summary of Soil Sample Field Testing and Laboratory Analytical Results

Legacy, L.P.

Jal Cooper Unit #239

Lab 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)
SP3	Surface	In Situ	16-Dec-16	--	2,560	--	--	--	--	--	--	--	--	--
	1	In Situ	16-Dec-16	--	2,000	--	--	--	--	--	--	--	--	--
	2	In Situ	16-Dec-16	--	1,840	--	--	--	--	--	--	--	--	--
	3	In Situ	16-Dec-16	--	1,920	--	--	--	--	--	--	--	--	--
	4	In Situ	09-Jan-17	--	880	--	--	--	--	--	--	--	--	736
	14	In Situ	27-Feb-17	--	160	--	--	--	--	--	--	--	--	--
	18	In Situ	27-Feb-17	--	160	--	--	--	--	--	--	--	--	176
SP4	Surface	In Situ	16-Dec-16	--	2,400	--	--	--	--	--	--	--	--	--
	1	In Situ	21-Dec-16	--	1,280	--	--	--	--	--	--	--	--	--
	2	In Situ	21-Dec-16	--	1,200	--	--	--	--	--	--	--	--	--
	3	In Situ	21-Dec-16	--	1,440	--	--	--	--	--	--	--	--	--
	4	In Situ	21-Dec-16	--	1,200	--	--	--	--	--	--	--	--	--
	5	In Situ	21-Dec-16	--	1,880	--	--	--	--	--	--	--	--	--
	6	In Situ	21-Dec-16	--	1,600	--	--	--	--	--	--	--	--	--
	8	In Situ	09-Jan-17	--	240	--	--	--	--	--	--	--	--	160
	14	In Situ	27-Feb-17	--	240	--	--	--	--	--	--	--	--	--
	18	In Situ	27-Feb-17	--	240	--	--	--	--	--	--	--	--	208

TABLE 2

Summary of Soil Sample Field Testing and Laboratory Analytical Results

Legacy, L.P.

Jal Cooper Unit #239

Lab 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	1	In Situ	27-Dec-16	--	2,400	--	--	--	--	--	--	--	--	--
	2	In Situ	27-Dec-16	--	1,600	--	--	--	--	--	--	--	--	--
	3	In Situ	27-Dec-16	--	480	--	--	--	--	--	--	--	--	--
	4	In Situ	27-Dec-16	--	400	--	--	--	--	--	--	--	--	576
	14	In Situ	27-Feb-17	--	240	--	--	--	--	--	--	--	--	--
	18	In Situ	27-Feb-17	--	240	--	--	--	--	--	--	--	--	224
SP6	1	In Situ	27-Dec-16	--	1,200	--	--	--	--	--	--	--	--	--
	2	In Situ	27-Dec-16	--	1,200	--	--	--	--	--	--	--	--	--
	3	In Situ	27-Dec-16	--	80	--	--	--	--	--	--	--	--	--
	4	In Situ	27-Dec-16	--	80	--	--	--	--	--	--	--	--	32
	14	In Situ	27-Feb-17	--	400	--	--	--	--	--	--	--	--	--
	18	In Situ	27-Feb-17	--	240	--	--	--	--	--	--	--	--	--
SP1 E	22	In Situ	27-Feb-17	--	240	--	--	--	--	--	--	--	--	208
	Surface	In Situ	28-Feb-17	--	80	--	--	--	--	--	--	--	--	16
	2	In Situ	28-Feb-17	--	80	--	--	--	--	--	--	--	--	32

TABLE 2
Summary of Soil Sample Field Testing and Laboratory Analytical Results
Legacy, L.P.

Jal Cooper Unit #239

Lab 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 W	Surface	In Situ	28-Feb-17	--	80	--	--	--	--	--	--	--	--	32
	2	In Situ	28-Feb-17	--	80	--	--	--	--	--	--	--	--	16
SP2 E	Surface	In Situ	28-Feb-17	--	80	--	--	--	--	--	--	--	--	32
	2	In Situ	28-Feb-17	--	80	--	--	--	--	--	--	--	--	16
SP2 W	Surface	In Situ	28-Feb-17	--	80	--	--	--	--	--	--	--	--	32
	2	In Situ	28-Feb-17	--	80	--	--	--	--	--	--	--	--	<16.0
SP3 E	Surface	In Situ	28-Feb-17	--	80	--	--	--	--	--	--	--	--	16
	2	In Situ	28-Feb-17	--	80	--	--	--	--	--	--	--	--	16
SP3 W	Surface	In Situ	28-Feb-17	--	80	--	--	--	--	--	--	--	--	32
	2	In Situ	28-Feb-17	--	80	--	--	--	--	--	--	--	--	16
SP4 W	Surface	In Situ	28-Feb-17	--	80	--	--	--	--	--	--	--	--	32
	2	In Situ	28-Feb-17	--	80	--	--	--	--	--	--	--	--	32
SP5 N	Surface	In Situ	28-Feb-17	--	80	--	--	--	--	--	--	--	--	16
	2	In Situ	28-Feb-17	--	80	--	--	--	--	--	--	--	--	16

TABLE 2
Summary of Soil Sample Field Testing and Laboratory Analytical Results
Legacy, L.P.

Jal Cooper Unit #239

Lab 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 E	Surface	In Situ	28-Feb-17	--	80	--	--	--	--	--	--	--	--	<16.0
	2	In Situ	28-Feb-17	--	80	--	--	--	--	--	--	--	--	32
SP6 E	Surface	In Situ	28-Feb-17	--	80	--	--	--	--	--	--	--	--	16
	2	In Situ	28-Feb-17	--	80	--	--	--	--	--	--	--	--	16
SP6 S	Surface	In Situ	28-Feb-17	--	80	--	--	--	--	--	--	--	--	16
	2	In Situ	28-Feb-17	--	80	--	--	--	--	--	--	--	--	16
NMOCD Recommended Remedial Action Levels				100		10				50			5,000	1,000

-- = Not Analyzed
Red 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.



Photograph #3- Looking across release area.



Photograph #4- Looking across release area.



Photograph #5- Looking across release area.



Photograph #6- Looking across release area.



Photograph #7 – Looking across pasture release area



Photograph #8 – Looking across pasture 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-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
CP 01188 POD2			LE	3	2	4	24	24S	36E	668359	3564067	1151	171	135	36
CP 01188 POD1			LE	2	1	4	24	24S	36E	668131	3564233	1386	176	136	40

Average Depth to Water: **135 feet**

Minimum Depth: **135 feet**

Maximum Depth: **136 feet**

Record Count: 2

UTMNAD83 Radius Search (in meters):

Easting (X): 668696

Northing (Y): 3562967

Radius: 2000

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

ATTACHMENT III
Laboratory Analytical Results

January 05, 2017

Daniel Dominguez

Environmental Plus, Inc.

P.O. Box 1558

Eunice, NM 88231

RE: JAL COOPER UNIT #239

Enclosed are the results of analyses for samples received by the laboratory on 01/03/17 15:36.

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 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:

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

Received: 01/03/2017
Reported: 01/05/2017
Project Name: JAL COOPER UNIT #239
Project Number: NONE GIVEN
Project Location: UL-H SEC. 25, T24S, R36E

Sampling Date: 12/27/2016
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 5 (4') (H700007-01)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	576	16.0	01/04/2017	ND	416	104	400	0.00	

Sample ID: SP 6 (4') (H700007-02)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	01/04/2017	ND	432	108	400	3.77	

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

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 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

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		Legacy LP	
Facility Name		Jal Cooper Unit #239	
Location		UL-H Sec. 25, T24S, R36E	
Project Reference			
EPI Sampler Name		Heri Gaytan	

LAB I.D.	SAMPLE I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX							PRESERV.	SAMPLING		ANALYSIS REQUEST								
				GROUND WATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER:	ACID/BASE		ICE/COOL	OTHER	DATE	TIME	BTEX 8021B	TPH 8015M	CHLORIDES (Cl ⁻)	SULFATES (SO ₄ ²⁻)	pH	TCLP	OTHER >>>
4700007	1 SP5 (4')	G	1			X					X											
	2 SP6 (4')	G	1			X					X											
	3																					
	4																					
	5																					
	6																					
	7																					
	8																					
	9																					
	10																					

Sampler Relinquished:	Date 1/3/17	Receiver By:	Time 6:00 am
Relinquished by: <i>[Signature]</i>	Date 1/3/17	Received By: (lab staff) <i>[Signature]</i>	Time 3:30 pm
Delivered by: <i>[Signature]</i>	Sample Cool & Intact Yes No		

NOTES: E-mail results to: ddominguezepi@gmail.com & ebarrientez@legacylp.com



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

January 16, 2017

Daniel Dominguez

Environmental Plus, Inc.

P.O. Box 1558

Eunice, NM 88231

RE: JAL COOPER UNIT #239

Enclosed are the results of analyses for samples received by the laboratory on 01/12/17 15:37.

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 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: 01/12/2017
Reported: 01/16/2017
Project Name: JAL COOPER UNIT #239
Project Number: NONE GIVEN
Project Location: UL-H SEC. 25, T24S, R36E

Sampling Date: 01/09/2017
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 1 (4') (H700088-01)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1150	16.0	01/13/2017	ND	432	108	400	0.00	

Sample ID: SP 2 (10') (H700088-02)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	864	16.0	01/13/2017	ND	432	108	400	0.00	

Sample ID: SP 3 (4') (H700088-03)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	736	16.0	01/13/2017	ND	432	108	400	0.00	

Sample ID: SP 4 (8') (H700088-04)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	01/13/2017	ND	432	108	400	0.00	

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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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Celey D. Keene, Lab Director/Quality Manager

Page 4 of 4

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						Legacy LP									
Facility Name						Jal Cooper Unit #239									
Location						UL-H Sec. 25, T24S, R36E									
Project Reference															
EPI Sampler Name						Heri Gaytan									
 Attn: Daniel Dominguez P.O. Box 1558 Eunice, NM 88231															
LAB I.D.		SAMPLE I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		MATRIX		PRESERV.		SAMPLING		ANALYSIS REQUEST	
H700088															
1 SP1 (4')				G 1				GROUND WATER							
2 SP2 (10')				G 1				WASTEWATER							
3 SP3 (4')				G 1				SOIL							
4 SP4 (8')				G 1				CRUDE OIL							
5								SLUDGE							
6								OTHER:							
7								ACID/BASE							
8								ICE/COOL							
9								OTHER							
10								DATE		TIME					
								BTX 8021B							
								TPH 8015M							
								CHLORIDES (Cl ⁻)							
								SULFATES (SO ₄ ⁼)							
								pH							
								TCLP							
								OTHER >>>							
								PAH							



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

March 03, 2017

Daniel Dominguez

Environmental Plus, Inc.

P.O. Box 1558

Eunice, NM 88231

RE: JAL COOPER UNIT #239

Enclosed are the results of analyses for samples received by the laboratory on 02/28/17 15:50.

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.

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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: 02/28/2017
Reported: 03/03/2017
Project Name: JAL COOPER UNIT #239
Project Number: NONE GIVEN
Project Location: UL-H SEC. 25, T24S, R36E

Sampling Date: 02/27/2017
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 1 (18') (H700508-01)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	03/01/2017	ND	448	112	400	0.00	

Sample ID: SP 2 (18') (H700508-02)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	03/01/2017	ND	448	112	400	0.00	

Sample ID: SP 3 (18') (H700508-03)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	03/01/2017	ND	448	112	400	0.00	

Sample ID: SP 4 (18') (H700508-04)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	03/01/2017	ND	448	112	400	0.00	

Cardinal Laboratories

*=Accredited Analyte

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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: 02/28/2017
Reported: 03/03/2017
Project Name: JAL COOPER UNIT #239
Project Number: NONE GIVEN
Project Location: UL-H SEC. 25, T24S, R36E

Sampling Date: 02/27/2017
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 5 (18') (H700508-05)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	03/01/2017	ND	448	112	400	0.00	

Sample ID: SP 6 (22') (H700508-06)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	03/01/2017	ND	448	112	400	0.00	

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

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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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Celey D. Keene, Lab Director/Quality Manager

Chain of Custody Form

LAB Cardinal

ANALYSIS REQUEST

ANALYSIS REQUEST

Eunice, NM 88231

[illegible]

E-mail results to: ddominguezepi@gmail.com

March 03, 2017

Daniel Dominguez

Environmental Plus, Inc.

P.O. Box 1558

Eunice, NM 88231

RE: JAL COOPER UNIT #239

Enclosed are the results of analyses for samples received by the laboratory on 02/28/17 15:50.

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.

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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:

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

Received: 02/28/2017
Reported: 03/03/2017
Project Name: JAL COOPER UNIT #239
Project Number: NONE GIVEN
Project Location: UL-H SEC. 25, T24S, R36E

Sampling Date: 02/28/2017
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 1 EAST (SURFACE) (H700509-01)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	03/02/2017	ND	448	112	400	0.00	

Sample ID: SP 1 EAST (2') (H700509-02)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/02/2017	ND	448	112	400	0.00	

Sample ID: SP 1 WEST (SURFACE) (H700509-03)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/02/2017	ND	448	112	400	0.00	

Sample ID: SP 1 WEST (2') (H700509-04)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	03/02/2017	ND	448	112	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: 02/28/2017
 Reported: 03/03/2017
 Project Name: JAL COOPER UNIT #239
 Project Number: NONE GIVEN
 Project Location: UL-H SEC. 25, T24S, R36E

 Sampling Date: 02/28/2017
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 2 EAST (SURFACE) (H700509-05)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/02/2017	ND	448	112	400	0.00	

Sample ID: SP 2 EAST (2') (H700509-06)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	03/02/2017	ND	448	112	400	0.00	

Sample ID: SP 2 WEST (SURFACE) (H700509-07)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/02/2017	ND	448	112	400	0.00	

Sample ID: SP 2 WEST (2') (H700509-08)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/02/2017	ND	448	112	400	0.00	

Sample ID: SP 3 EAST (SURFACE) (H700509-09)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	03/02/2017	ND	448	112	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: 02/28/2017
Reported: 03/03/2017
Project Name: JAL COOPER UNIT #239
Project Number: NONE GIVEN
Project Location: UL-H SEC. 25, T24S, R36E

Sampling Date: 02/28/2017
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 3 EAST (2') (H700509-10)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	03/02/2017	ND	448	112	400	0.00		

Sample ID: SP 3 WEST (SURFACE) (H700509-11)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/02/2017	ND	448	112	400	0.00	

Sample ID: SP 3 WEST (2') (H700509-12)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	03/02/2017	ND	448	112	400	0.00	

Sample ID: SP 4 WEST (SURFACE) (H700509-13)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/02/2017	ND	448	112	400	0.00	

Sample ID: SP 4 WEST (2') (H700509-14)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/02/2017	ND	448	112	400	0.00	

Cardinal Laboratories

*=Accredited Analyte

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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: 02/28/2017
Reported: 03/03/2017
Project Name: JAL COOPER UNIT #239
Project Number: NONE GIVEN
Project Location: UL-H SEC. 25, T24S, R36E

Sampling Date: 02/28/2017
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 5 NORTH (SURFACE) (H700509-15)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	03/02/2017	ND	448	112	400	0.00	

Sample ID: SP 5 NORTH (2') (H700509-16)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	03/02/2017	ND	448	112	400	0.00	

Sample ID: SP 5 EAST (SURFACE) (H700509-17)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/02/2017	ND	448	112	400	0.00	

Sample ID: SP 5 EAST (2') (H700509-18)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/02/2017	ND	448	112	400	0.00	

Sample ID: SP 6 EAST (SURFACE) (H700509-19)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	03/02/2017	ND	448	112	400	0.00	

Cardinal Laboratories

*=Accredited Analyte

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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: 02/28/2017
 Reported: 03/03/2017
 Project Name: JAL COOPER UNIT #239
 Project Number: NONE GIVEN
 Project Location: UL-H SEC. 25, T24S, R36E

 Sampling Date: 02/28/2017
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 6 EAST (2') (H700509-20)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	03/02/2017	ND	448	112	400	0.00		

Sample ID: SP 6 SOUTH (SURFACE) (H700509-21)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	03/02/2017	ND	448	112	400	0.00		

Sample ID: SP 6 SOUTH (2') (H700509-22)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	03/02/2017	ND	448	112	400	0.00		

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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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Celey D. Keene, Lab Director/Quality Manager

Chain of Custody Form

LAB Cardinal

ANALYSIS REQUEST

Page 8 of 10

Page 1 of 3

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

Environmental Plus, Inc.										Bill To		ANALYSIS REQUEST																	
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										Legacy LP																			
Facility Name										Jal Cooper Unit #239																			
Location										UL-H Sec. 25, T24S, R36E																			
Project Reference																													
EPI Sampler Name										Dustin Crockett																			
										Attn: Daniel Dominguez P.O. Box 1558 Eunice, NM 88231																			
LAB I.D.										SAMPLE I.D.																			
										(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 ⁻)																			
										SULFATES (SO ₄ ²⁻)																			
										pH																			
										TCLP																			
										OTHER >>>																			
										PAH																			

LAB I.D.	SAMPLE I.D.	(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 ⁻)	SULFATES (SO ₄ ²⁻)	pH	TCLP	OTHER >>>	PAH
#720509	11 SP3 West (Surface)	G	1			X					X		28-Feb-17	10:10			X					
	12 SP3 West (2')	G	1			X					X		28-Feb-17	10:15			X					
	13 SP4 West (Surface)	G	1			X					X		28-Feb-17	10:25			X					
	14 SP4 West (2')	G	1			X					X		28-Feb-17	10:30			X					
	15 SP5 North (Surface)	G	1			X					X		28-Feb-17	10:35			X					
	16 SP5 North (2')	G	1			X					X		28-Feb-17	10:40			X					
	17 SP5 East (Surface)	G	1			X					X		28-Feb-17	10:50			X					
	18 SP5 East (2')	G	1			X					X		28-Feb-17	10:55			X					
	19 SP6 East (Surface)	G	1			X					X		28-Feb-17	11:00			X					
	20 SP6 East (2')	G	1			X					X		28-Feb-17	11:05			X					

Sampler Relinquished:		Date 2/28/17	Received By:	E-mail results to: ddominguezepi@gmail.com	
Relinquished by: <i>[Signature]</i>		Time 12:00 pm	Received By: <i>[Signature]</i>	NOTES:	
Delivered by: <i>[Signature]</i>		Time 3:22 pm	Sample Cool & Intact		
		Yes	No		
		80	70		

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 Legacy LP

Facility Name Jal Cooper Unit #239

Location UL-H Sec. 25, T24S, R36E

Project Reference

EPI Sampler Name

Dustin Crockett

LAB I.D.

SAMPLE I.D.

#700509

21 SP6 South (Surface)

22 SP6 South (2')

23

24

25

26

27

28

29

30

(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⁻)

SULFATES (SO₄²⁻)

pH

TCLP

OTHER >>>

PAH

MATRIX

PRESERV.

SAMPLING

Sampler Relinquished:

Relinquished by:

Date 2/28/17

Time 12:00 pm

Received By: [Signature]

Date 2/28/17

Time 12:00 pm

Received By: [Signature]

Time 12:00 pm

Received By: [Signature]

E-mail results to: ddominguezepi@gmail.com

NOTES:

Delivered by:

Sample Cool & Intact

Yes

No

Checked By: [Signature]

TD. #15

ATTACHMENT IV
Copy of Initial NMOCD Form C-141

NM OIL CONSERVATION

ARTESIA DISTRICT

DEC 22 2016

Form C-141

Revised August 8, 2011

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

RECEIVED

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

PAB1036456918 Release Notification and Corrective Action

NAB1036457055

OPERATOR



Initial Report



Final Report

Name of Company: Legacy, L.P. <i>240974</i>	Contact: Ernest Barrientez
Address: P.O. Box 10848 Midland, TX 79702	Telephone No. 432-853-0633
Facility Name: Jal Cooper Unit #239	Facility Type: Injection Line

Surface Owner: Woolworth Trust	Mineral Owner:	API No.
--------------------------------	----------------	---------

LOCATION OF RELEASE

Unit Letter H	Section 25	Township 24S	Range 36E	Feet from the North/South Line	Feet from the East/West Line	County Lea
------------------	---------------	-----------------	--------------	-----------------------------------	---------------------------------	---------------

Latitude: N 32.190606° Longitude: W 103.210428°

NATURE OF RELEASE

Type of Release: produced water	Volume of Release: 130 barrels	Volume Recovered: 90 barrels
Source of Release: injection line failed	Date and Hour of Occurrence: 12/15/16 @ unknown	Date and Hour of Discovery: 12/15/16 @ unknown
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Mike Whitaker, OCD	
By Whom? Woolworth Trust	Date and Hour: 12/15/16	
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.*

An injection line developed a leak releasing fluid to lease road and pasture. A vacuum truck was dispatched to collect standing fluid.

Describe Area Affected and Cleanup Action Taken.*

A vacuum truck was called to the location and was able to recover 90 barrels of the fluid from lease road and pasture. Surface contamination will be scraped up and samples will be collected from release area.

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>Ernest Barrientez</i>	OIL CONSERVATION DIVISION	
Printed Name: Ernest Barrientez	Approved by Environmental Specialist <i>[Signature]</i>	
Title: Production Foreman	Approval Date: <i>12/29/16</i>	Expiration Date: <i>N/A</i>
E-mail Address: ebarrientez@legacylp.com	Conditions of Approval: <i>see attached</i>	Attached <i>X</i>
Date: <i>12-20-2016</i>	Phone: 432-853-0633	

* Attach Additional Sheets If Necessary

IRP-4536