



4 May 2015

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

RECEIVED

By JKeyes at 10:08 am, Sep 28, 2015

APPROVED

By JKeyes at 10:08 am, Sep 28, 2015

RE: Final Closure Report
Legacy LP – Cooper Jal Main Injection Line
UL-N, Section 18, Township 24 South, Range 37 East
Lea County, New Mexico
NMOCD Reference # 1RP 3464

Ms. Jones:

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

Remediation Activities:

From December 12, 2014 – February 24, 2015 approximately 19,874 cubic yards of contaminated material were excavated and transported to a state approved facility for disposal. The excavation covered approximately 122,000 square feet and was approximately three (3) – four (4) feet deep. In general the excavation was void of Chloride concentrations in excess of NMOCD Recommended Remedial Action Levels (RRALs) of 1,000 mg/Kg. Laboratory analytical data indicates excavation sidewalls were void of Chloride concentrations in excess of NMOCD RRALs. Chloride concentrations on excavation floor did not exceed NMOCD RRALs in areas of BH1, BH4, BH5 and BH7. However, Chloride concentrations exceeded NMOCD RRALs in areas of BH2 – 1,600 mg/Kg @ eight (8) feet bgs, BH3 – 3,400 mg/Kg @ eight (8) feet bgs, and BH6 – 1,520 mg/Kg @ eight (8) feet bgs (reference *Figure 4* and *Table 2*).

Closure Activities:

On March 19 – 23, 2015 separate twenty (20) mil thick polyethylene liners were placed on the excavation floor in the areas of BH2/BH3, North Liner is approximately 27,500 sq. ft., and BH6, South Liner is approximately 34,500 sq. ft. (reference *Figure 5*). Bottom of the polyethylene liners lay on a one (1) foot thick layer of clean top soil. Remainder of the excavation has been backfilled with 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 2015 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 ddominguezepi@gmail.com or Mr. Manuel Soriano at (432) 269-8806 or via e-mail at jsoriano@legacyp.com. All official communication should be addressed to:

Mr. Manuel Soriano
Legacy LP
P.O. Box 10848
Midland, TX 79702

Sincerely,

ENVIRONMENTAL PLUS, INC.

Daniel Dominguez
Environmental Consultant

cc: Manuel Soriano, Production Foreman – Legacy LP
File

Encl.: Figure 1 – Area Map
Figure 2 – Site Location Map
Figure 3 – Site Map
Figure 4 – Excavation/Sample Map
Figure 5 – North and South Liner Locations
Table 1 – Well Data
Table 2 – Summary of Test Trench and Soil Sample Laboratory Analytical Results
Attachment I – Photographs
Attachment II – Laboratory Analytical Results
Attachment III – Copy of Initial NMOCD Form C-141, Final C-141

FIGURES

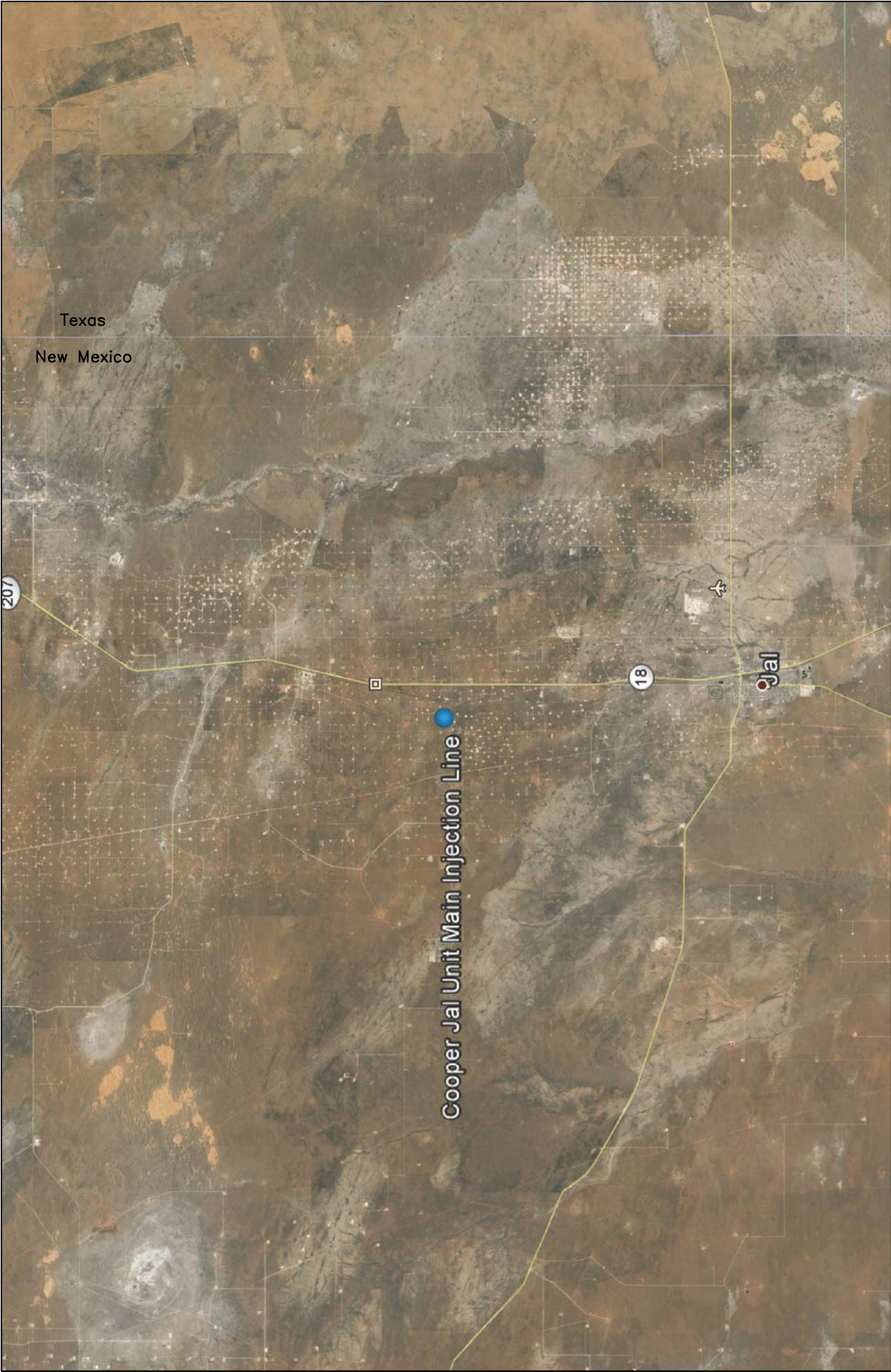


Figure 1 Area Map Legacy Cooper Jal Main Injection Line	Lea County, New Mexico SE 1/4 of SW 1/4, Sec. 18, T24S, R37E N 32° 12' 44.77" W 103° 12' 19.84" Elevation: 3,308 feet amsl	DWG By: D Dominguez December 2014	REVISED:		
		0 3 6  Miles	SHEET 1 of 1		

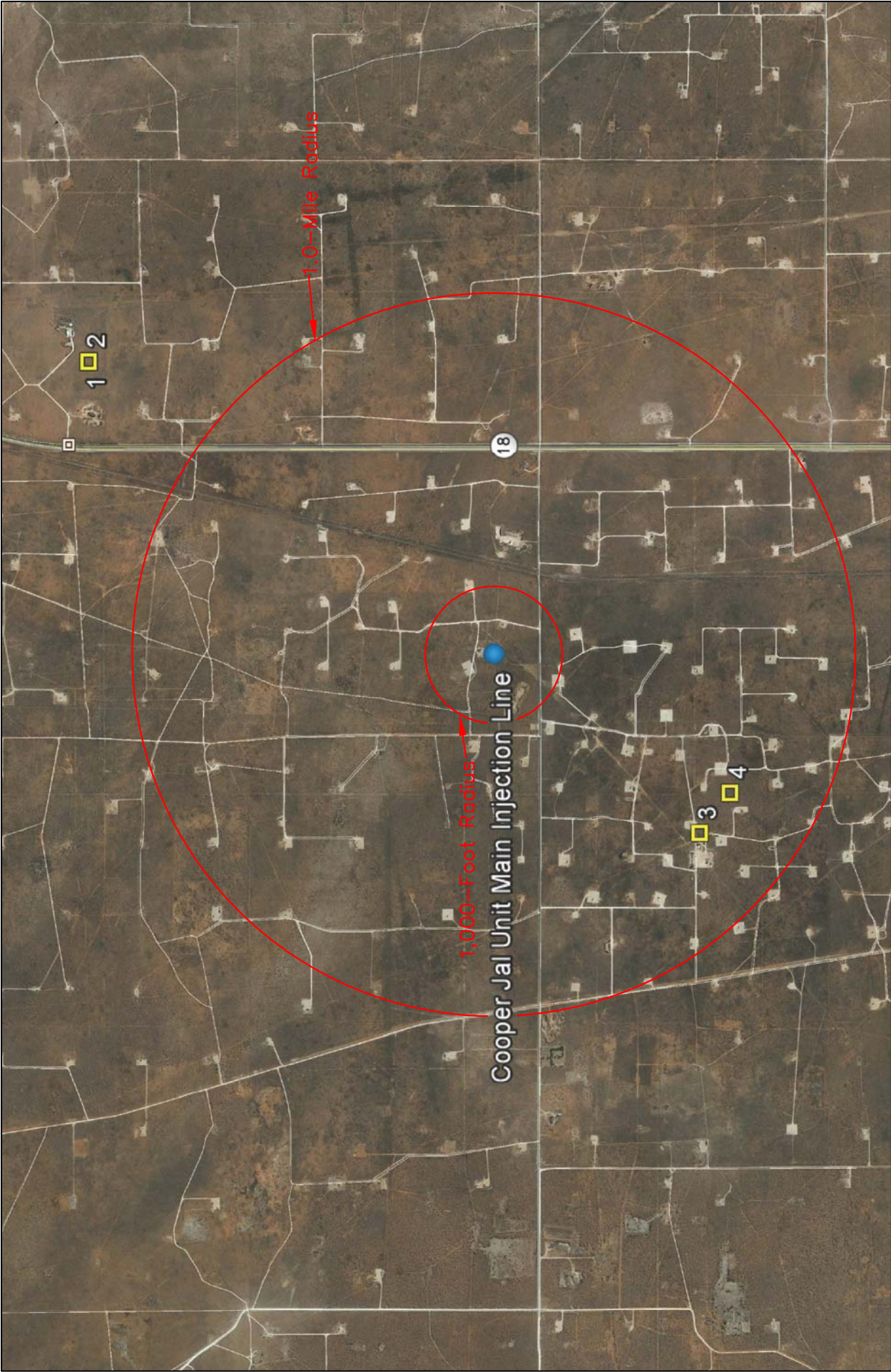
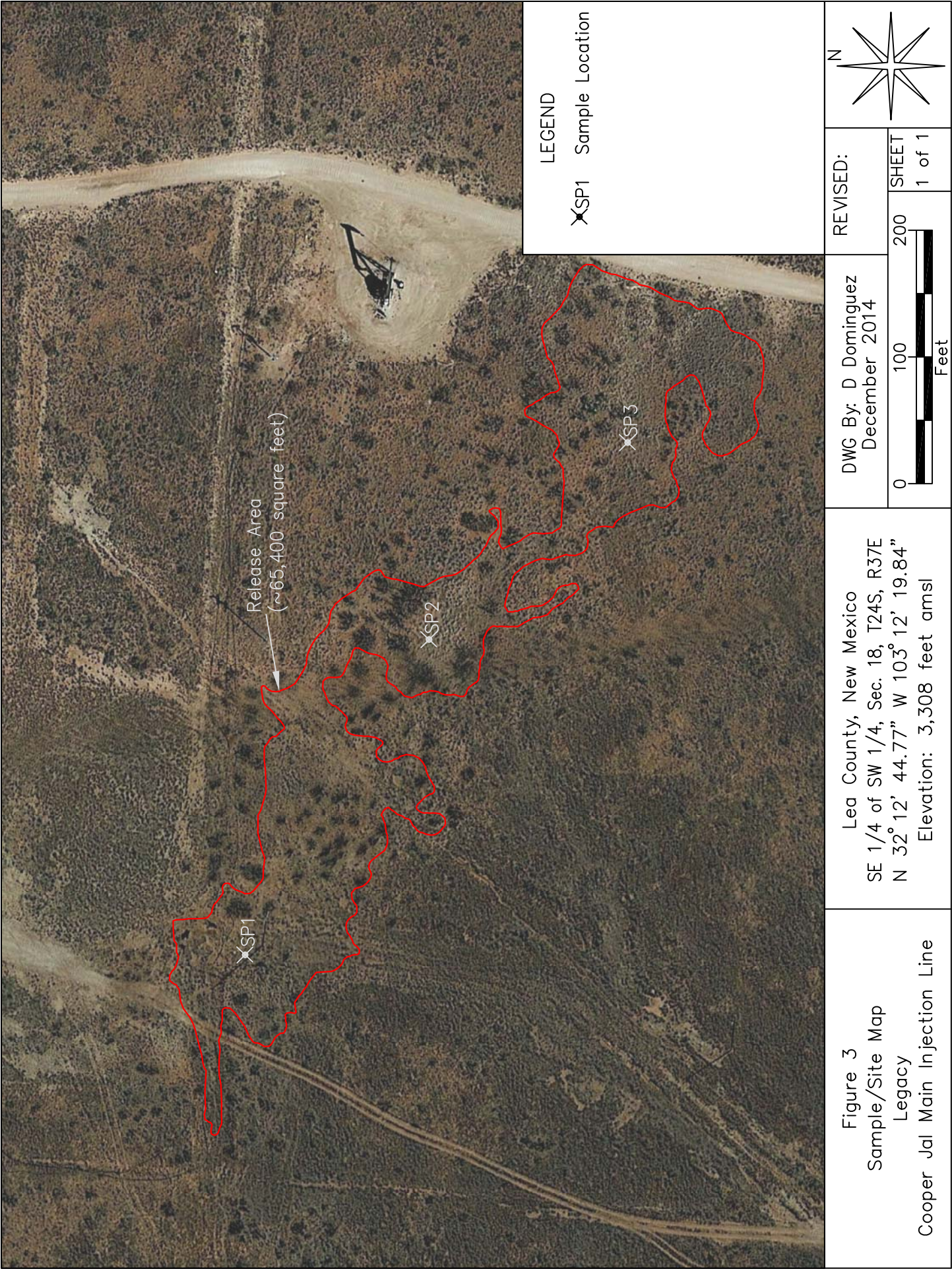


Figure 2 Site Location Map Legacy Cooper Jal Main Injection Line	Lea County, New Mexico SE 1/4 of SW 1/4, Sec. 18, T24S, R37E N 32° 12' 44.77" W 103° 12' 19.84" Elevation: 3,308 feet amsl	DWG By: D Dominguez December 2014	REVISED:		
				SHEET	
			0 2,000 4,000	1 of 1	
					
			Feet		



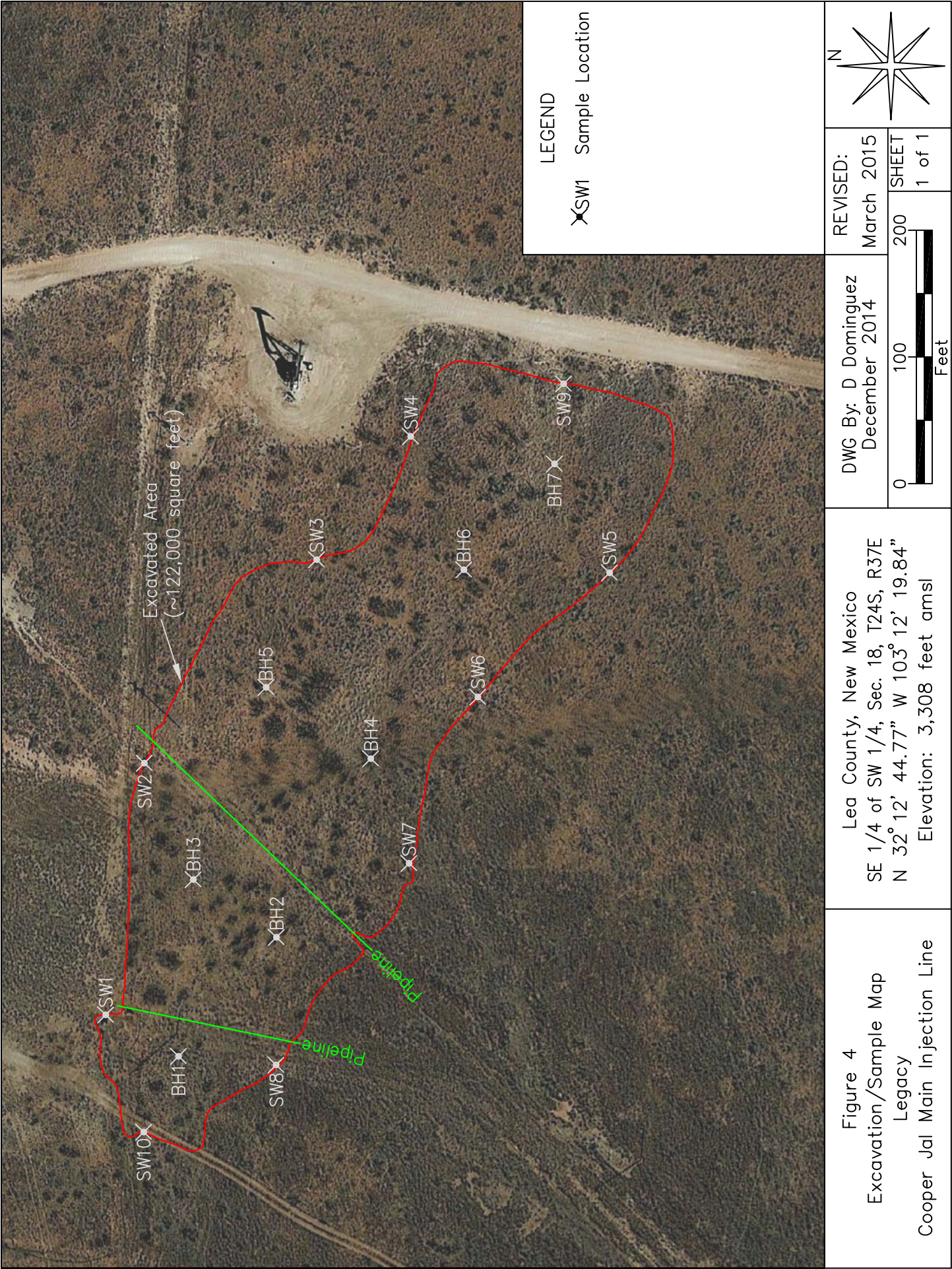
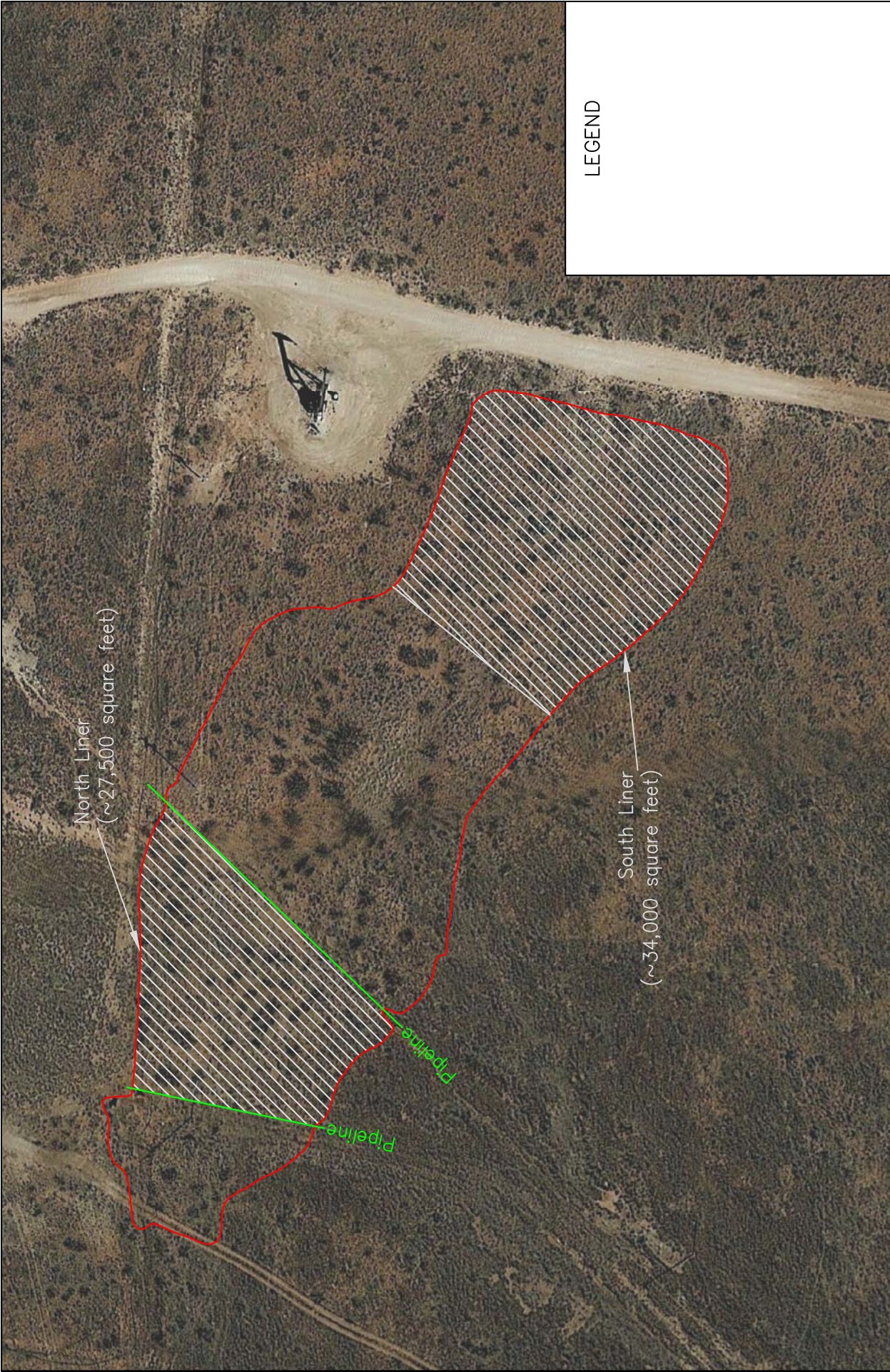
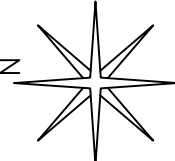


Figure 4
Excavation/Sample Map
Legacy
Cooper Jal Main Injection Line



LEGEND

Figure 5 North and South Liner Locations Legacy Cooper Jal Main Injection Line	Lea County, New Mexico SE 1/4 of SW 1/4, Sec. 18, T24S, R37E N 32° 12' 44.77" W 103° 12' 19.84" Elevation: 3,308 feet amsl		DWG By: D Dominguez December 2014	REVISED: April 2015	
			0 100 200	SHEET 1 of 1	
			 Feet		

TABLES

TABLE 1

Well Data

Legacy - Cooper Jal Main Injection Line

Ref #	Well Number	Use	Diversion ^A	Owner	q64	q16	q4	Sec	Twsp	Rng	Easting	Northing	Date Measured	Surface Elevation ^B	Depth to Water (ft bgs)
1	CP 00410	PLS	3	HALIBURTON BAKER	3	4	1	8	24S	37E	670718	3567680		3,298	87
2	CP 00443	STK	3	HALIBURTON BAKER	3	4	1	8	24S	37E	670718	3567680	30-Sep-67	3,298	90
3	CP 01188 POD1	MON	0	CHEVRON ENVIRONMENTAL MGMT	2	1	4	24	24S	36E	668131	3564233	30-Sep-13	3,327	136
4	CP 01188 POD2	MON	0	CHEVRON ENVIRONMENTAL MGMT	3	2	4	24	24S	36E	668359	3564067	30-Sep-13	3,314	135

* = 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.

PLS = Non 72-12-1 Livestock watering

STK = 72-12-1 Livestock watering

MON = Monitoring Well

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

TABLE 2
Summary of Test Trench and Soil Sample Laboratory Analytical Results
Legacy, L.P.

Cooper Jal Main Injection Line

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	12	In Situ	10-Dec-14	--	1,280	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<20.0	1,780
	14	In Situ	10-Dec-14	--	640	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<20.0	992
	16	In Situ	10-Dec-14	--	400	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<20.0	576
SP2	2	Excavated	10-Dec-14	--	2,400	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<20.0	2,960
	4	Excavated	10-Dec-14	--	2,160	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<20.0	2,480
	5	In Situ	10-Dec-14	--	400	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<20.0	400
SP3	4	In Situ	10-Dec-14	--	2,160	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<20.0	2,800
	6	In Situ	10-Dec-14	--	2,240	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<20.0	3,160
	8	In Situ	10-Dec-14	--	240	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<20.0	512
SW1	2	In Situ	13-Feb-15	--	--	--	--	--	--	--	--	--	--	<16.0
SW2	2	In Situ	13-Feb-15	--	--	--	--	--	--	--	--	--	--	<16.0
SW3	2	In Situ	13-Feb-15	--	--	--	--	--	--	--	--	--	--	<16.0
SW4	2	In Situ	13-Feb-15	--	--	--	--	--	--	--	--	--	--	<16.0
SW5	2	In Situ	13-Feb-15	--	--	--	--	--	--	--	--	--	--	976
SW6	2	In Situ	13-Feb-15	--	--	--	--	--	--	--	--	--	--	<16.0

TABLE 2
Summary of Test Trench and Soil Sample Laboratory Analytical Results
Legacy, L.P.

Cooper Jal Main Injection Line

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)
SW7	2	In Situ	13-Feb-15	--	--	--	--	--	--	--	--	--	--	<16.0
SW8	2	In Situ	13-Feb-15	--	--	--	--	--	--	--	--	--	--	<16.0
SW9	2	Excavated	13-Feb-15	--	--	--	--	--	--	--	--	--	--	1,170
SW9A	2	In Situ	24-Feb-15	--	80	--	--	--	--	--	--	--	--	<16.0
SW10	2	In Situ	13-Feb-15	--	--	--	--	--	--	--	--	--	--	<16.0
BH1	8	In Situ	13-Feb-15	--	--	--	--	--	--	--	--	--	--	368
BH2	8	In Situ	13-Feb-15	--	--	--	--	--	--	--	--	--	--	1,600
BH3	8	In Situ	13-Feb-15	--	--	--	--	--	--	--	--	--	--	3,400
BH4	8	In Situ	13-Feb-15	--	--	--	--	--	--	--	--	--	--	96
BH5	8	In Situ	13-Feb-15	--	--	--	--	--	--	--	--	--	--	784
BH6	8	In Situ	13-Feb-15	--	--	--	--	--	--	--	--	--	--	1,520
BH7	8	In Situ	13-Feb-15	--	--	--	--	--	--	--	--	--	--	144
NMOCD Recommended Remedial Action Levels				100		10				50			5,000	1,000

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

ATTACHMENTS

ATTACHMENT I
Photographs



Photograph #1 – South liner installation



Photograph #2 – South liner installation



Photograph #3 – South liner installation



Photograph #4 – North liner installation



Photograph #5 – North liner installation



Photograph #6 – North liner installation



Photograph #7 – Backfilled



Photograph #8 – Backfilled



Photograph #9 – Backfilled



Photograph #10 – Backfilled

ATTACHMENT II
Laboratory Analytical Results



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

December 17, 2014

Daniel Dominguez

Environmental Plus, Inc.

P.O. Box 1558

Eunice, NM 88231

RE: CJU MAIN INJECTION LINE

Enclosed are the results of analyses for samples received by the laboratory on 12/12/14 15:25.

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

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: 12/12/2014
Reported: 12/17/2014
Project Name: CJU MAIN INJECTION LINE
Project Number: NONE GIVEN
Project Location: UL-N SEC. 18, T24S, R37E

Sampling Date: 12/10/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 1 (12') (H403796-01)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/16/2014	ND	1.81	90.3	2.00	10.1	
Toluene*	<0.050	0.050	12/16/2014	ND	1.76	87.8	2.00	10.6	
Ethylbenzene*	<0.050	0.050	12/16/2014	ND	1.67	83.4	2.00	11.8	
Total Xylenes*	<0.150	0.150	12/16/2014	ND	5.02	83.6	6.00	12.5	
Total BTX	<0.300	0.300	12/16/2014	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1780	16.0	12/16/2014	ND	400	100	400	3.92	

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	12/15/2014	ND	185	92.6	200	2.97	
DRO >C10-C28	<10.0	10.0	12/15/2014	ND	197	98.4	200	1.88	

Surrogate: 1-Chlorooctane 89.9 % 47.2-157

Surrogate: 1-Chlorooctadecane 84.5 % 52.1-176

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: 12/12/2014
Reported: 12/17/2014
Project Name: CJU MAIN INJECTION LINE
Project Number: NONE GIVEN
Project Location: UL-N SEC. 18, T24S, R37E

Sampling Date: 12/10/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 1 (14') (H403796-02)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/16/2014	ND	1.81	90.3	2.00	10.1	
Toluene*	<0.050	0.050	12/16/2014	ND	1.76	87.8	2.00	10.6	
Ethylbenzene*	<0.050	0.050	12/16/2014	ND	1.67	83.4	2.00	11.8	
Total Xylenes*	<0.150	0.150	12/16/2014	ND	5.02	83.6	6.00	12.5	
Total BTX	<0.300	0.300	12/16/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.7 % 61-154

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	992	16.0	12/16/2014	ND	400	100	400	3.92	

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	12/16/2014	ND	189	94.3	200	0.361	
DRO >C10-C28	<10.0	10.0	12/16/2014	ND	183	91.6	200	8.75	

Surrogate: 1-Chlorooctane 87.4 % 47.2-157

Surrogate: 1-Chlorooctadecane 84.7 % 52.1-176

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*=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: 12/12/2014
Reported: 12/17/2014
Project Name: CJU MAIN INJECTION LINE
Project Number: NONE GIVEN
Project Location: UL-N SEC. 18, T24S, R37E

Sampling Date: 12/10/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 1 (16') (H403796-03)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/16/2014	ND	1.81	90.3	2.00	10.1		
Toluene*	<0.050	0.050	12/16/2014	ND	1.76	87.8	2.00	10.6		
Ethylbenzene*	<0.050	0.050	12/16/2014	ND	1.67	83.4	2.00	11.8		
Total Xylenes*	<0.150	0.150	12/16/2014	ND	5.02	83.6	6.00	12.5		
Total BTX	<0.300	0.300	12/16/2014	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.3 % 61-154

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	576	16.0	12/16/2014	ND	400	100	400	3.92	

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	12/16/2014	ND	189	94.3	200	0.361	
DRO >C10-C28	<10.0	10.0	12/16/2014	ND	183	91.6	200	8.75	

Surrogate: 1-Chlorooctane 89.6 % 47.2-157

Surrogate: 1-Chlorooctadecane 86.3 % 52.1-176

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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Eunice NM, 88231
Fax To: (505) 394-2601

Received: 12/12/2014
Reported: 12/17/2014
Project Name: CJU MAIN INJECTION LINE
Project Number: NONE GIVEN
Project Location: UL-N SEC. 18, T24S, R37E

Sampling Date: 12/10/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 2 (2') (H403796-04)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/16/2014	ND	1.81	90.3	2.00	10.1	
Toluene*	<0.050	0.050	12/16/2014	ND	1.76	87.8	2.00	10.6	
Ethylbenzene*	<0.050	0.050	12/16/2014	ND	1.67	83.4	2.00	11.8	
Total Xylenes*	<0.150	0.150	12/16/2014	ND	5.02	83.6	6.00	12.5	
Total BTX	<0.300	0.300	12/16/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.8 % 61-154

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2960	16.0	12/16/2014	ND	400	100	400	3.92	

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	12/16/2014	ND	189	94.3	200	0.361	
DRO >C10-C28	<10.0	10.0	12/16/2014	ND	183	91.6	200	8.75	

Surrogate: 1-Chlorooctane 91.5 % 47.2-157

Surrogate: 1-Chlorooctadecane 88.6 % 52.1-176

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Celey D. Keene, Lab Director/Quality Manager

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Received: 12/12/2014
Reported: 12/17/2014
Project Name: CJU MAIN INJECTION LINE
Project Number: NONE GIVEN
Project Location: UL-N SEC. 18, T24S, R37E

Sampling Date: 12/10/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 2 (4') (H403796-05)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/16/2014	ND	1.81	90.3	2.00	10.1	
Toluene*	<0.050	0.050	12/16/2014	ND	1.76	87.8	2.00	10.6	
Ethylbenzene*	<0.050	0.050	12/16/2014	ND	1.67	83.4	2.00	11.8	
Total Xylenes*	<0.150	0.150	12/16/2014	ND	5.02	83.6	6.00	12.5	
Total BTX	<0.300	0.300	12/16/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 61-154

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2480	16.0	12/16/2014	ND	400	100	400	3.92	

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	12/16/2014	ND	189	94.3	200	0.361	
DRO >C10-C28	<10.0	10.0	12/16/2014	ND	183	91.6	200	8.75	

Surrogate: 1-Chlorooctane 88.8 % 47.2-157

Surrogate: 1-Chlorooctadecane 84.9 % 52.1-176

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: 12/12/2014
Reported: 12/17/2014
Project Name: CJU MAIN INJECTION LINE
Project Number: NONE GIVEN
Project Location: UL-N SEC. 18, T24S, R37E

Sampling Date: 12/10/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 2 (5') (H403796-06)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/16/2014	ND	1.81	90.3	2.00	10.1	
Toluene*	<0.050	0.050	12/16/2014	ND	1.76	87.8	2.00	10.6	
Ethylbenzene*	<0.050	0.050	12/16/2014	ND	1.67	83.4	2.00	11.8	
Total Xylenes*	<0.150	0.150	12/16/2014	ND	5.02	83.6	6.00	12.5	
Total BTX	<0.300	0.300	12/16/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 61-154

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	12/16/2014	ND	400	100	400	3.92	

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	12/16/2014	ND	189	94.3	200	0.361	
DRO >C10-C28	<10.0	10.0	12/16/2014	ND	183	91.6	200	8.75	

Surrogate: 1-Chlorooctane 91.1 % 47.2-157

Surrogate: 1-Chlorooctadecane 87.0 % 52.1-176

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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: 12/12/2014
Reported: 12/17/2014
Project Name: CJU MAIN INJECTION LINE
Project Number: NONE GIVEN
Project Location: UL-N SEC. 18, T24S, R37E

Sampling Date: 12/10/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 3 (4') (H403796-07)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/16/2014	ND	1.81	90.3	2.00	10.1	
Toluene*	<0.050	0.050	12/16/2014	ND	1.76	87.8	2.00	10.6	
Ethylbenzene*	<0.050	0.050	12/16/2014	ND	1.67	83.4	2.00	11.8	
Total Xylenes*	<0.150	0.150	12/16/2014	ND	5.02	83.6	6.00	12.5	
Total BTX	<0.300	0.300	12/16/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.5 % 61-154

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2800	16.0	12/16/2014	ND	400	100	400	3.92	

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	12/16/2014	ND	189	94.3	200	0.361	
DRO >C10-C28	<10.0	10.0	12/16/2014	ND	183	91.6	200	8.75	

Surrogate: 1-Chlorooctane 88.0 % 47.2-157

Surrogate: 1-Chlorooctadecane 83.1 % 52.1-176

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Analytical Results For:

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

Received: 12/12/2014
Reported: 12/17/2014
Project Name: CJU MAIN INJECTION LINE
Project Number: NONE GIVEN
Project Location: UL-N SEC. 18, T24S, R37E

Sampling Date: 12/10/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 3 (6') (H403796-08)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/16/2014	ND	1.81	90.3	2.00	10.1	
Toluene*	<0.050	0.050	12/16/2014	ND	1.76	87.8	2.00	10.6	
Ethylbenzene*	<0.050	0.050	12/16/2014	ND	1.67	83.4	2.00	11.8	
Total Xylenes*	<0.150	0.150	12/16/2014	ND	5.02	83.6	6.00	12.5	
Total BTX	<0.300	0.300	12/16/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 61-154

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3160	16.0	12/16/2014	ND	400	100	400	3.92	

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	12/16/2014	ND	189	94.3	200	0.361	
DRO >C10-C28	<10.0	10.0	12/16/2014	ND	183	91.6	200	8.75	

Surrogate: 1-Chlorooctane 93.5 % 47.2-157

Surrogate: 1-Chlorooctadecane 90.5 % 52.1-176

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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: 12/12/2014
Reported: 12/17/2014
Project Name: CJU MAIN INJECTION LINE
Project Number: NONE GIVEN
Project Location: UL-N SEC. 18, T24S, R37E

Sampling Date: 12/10/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 3 (8') (H403796-09)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/16/2014	ND	1.81	90.3	2.00	10.1		
Toluene*	<0.050	0.050	12/16/2014	ND	1.76	87.8	2.00	10.6		
Ethylbenzene*	<0.050	0.050	12/16/2014	ND	1.67	83.4	2.00	11.8		
Total Xylenes*	<0.150	0.150	12/16/2014	ND	5.02	83.6	6.00	12.5		
Total BTX	<0.300	0.300	12/16/2014	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 61-154

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	512	16.0	12/16/2014	ND	400	100	400	3.92	

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	12/16/2014	ND	189	94.3	200	0.361	
DRO >C10-C28	<10.0	10.0	12/16/2014	ND	183	91.6	200	8.75	

Surrogate: 1-Chlorooctane 90.7 % 47.2-157

Surrogate: 1-Chlorooctadecane 86.6 % 52.1-176

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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

Environmental Plus, Inc.

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

P.O. Box 1558, Eunice, NM 88231

Chain of Custody Form
LAB Cardinal

Company Name Environmental Plus, Inc.

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 CJU Main Injection Line

Location UL-N Sec. 18, T24S, R37E

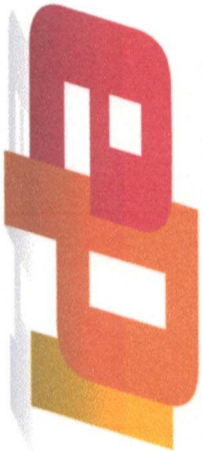
Project Reference

EPI Sampler Name Dustin Crockett

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

Bill To

ANALYSIS REQUEST



LAB I.D.	SAMPLE I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.	SAMPLING		DATE	TIME	BTX 8021B	TPH 8015M	CHLORIDES (Cl ⁻)	SULFATES (SO ₄ ²⁻)	pH	TCLP	OTHER >>>	PAH
				GROUND WATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER:													
H40379B																						
1	SP1 (12)	G	1			X							10-Dec-14	2:40	X	X	X					
2	SP1 (14)	G	1			X							10-Dec-14	2:42	X	X	X					
3	SP1 (16)	G	1			X							10-Dec-14	2:45	X	X	X					
4	SP2 (2)	G	1			X							10-Dec-14	10:28	X	X	X					
5	SP2 (4)	G	1			X							10-Dec-14	11:00	X	X	X					
6	SP2 (5)	G	1			X							10-Dec-14	11:10	X	X	X					
7	SP3 (4)	G	1			X							10-Dec-14	12:00	X	X	X					
8	SP3 (6)	G	1			X							10-Dec-14	12:05	X	X	X					
9	SP3 (8)	G	1			X							10-Dec-14	1:30	X	X	X					
10																						

Sampler Relinquished: 12/11/14 Received By: [Signature]

Relinquished by: [Signature]

Date: 12/11/14 Time: 3:35pm

Received By: [Signature]

Sample Coded & Intact: Yes

Delivered by: [Signature]

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

#54

February 19, 2015

Daniel Dominguez

Environmental Plus, Inc.

P.O. Box 1558

Eunice, NM 88231

RE: COOPER JAL MAIN INJECTION LINE

Enclosed are the results of analyses for samples received by the laboratory on 02/16/15 15:38.

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

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:	02/16/2015	Sampling Date:	02/13/2015
Reported:	02/19/2015	Sampling Type:	Soil
Project Name:	COOPER JAL MAIN INJECTION LINE	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	UL-N SEC.18, T24S, R37E		

Sample ID: SW 1 (2') (H500451-01)

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	02/18/2015	ND	416	104	400	3.92		

Sample ID: SW 2 (2') (H500451-02)

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	02/18/2015	ND	416	104	400	3.92		

Sample ID: SW 3 (2') (H500451-03)

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	02/18/2015	ND	416	104	400	3.92		

Sample ID: SW 4 (2') (H500451-04)

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	02/18/2015	ND	416	104	400	3.92		

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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:	02/16/2015	Sampling Date:	02/13/2015
Reported:	02/19/2015	Sampling Type:	Soil
Project Name:	COOPER JAL MAIN INJECTION LINE	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	UL-N SEC.18, T24S, R37E		

Sample ID: SW 5 (2') (H500451-05)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	976	16.0	02/18/2015	ND	416	104	400	3.92	

Sample ID: SW 6 (2') (H500451-06)

Chloride, SM4500CI-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	02/18/2015	ND	416	104	400	3.92		

Sample ID: SW 7 (2') (H500451-07)

Chloride, SM4500CI-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	02/18/2015	ND	416	104	400	3.92		

Sample ID: SW 8 (2') (H500451-08)

Chloride, SM4500CI-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	02/18/2015	ND	416	104	400	3.92		

Sample ID: SW 9 (2') (H500451-09)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1170	16.0	02/18/2015	ND	416	104	400	3.92	

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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:	02/16/2015	Sampling Date:	02/13/2015
Reported:	02/19/2015	Sampling Type:	Soil
Project Name:	COOPER JAL MAIN INJECTION LINE	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	UL-N SEC.18, T24S, R37E		

Sample ID: SW 10 (2') (H500451-10)

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	02/18/2015	ND	416	104	400	3.92		

Sample ID: BH 1 (8') (H500451-11)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	02/18/2015	ND	416	104	400	3.92	

Sample ID: BH 2 (8') (H500451-12)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1600	16.0	02/18/2015	ND	416	104	400	3.92	

Sample ID: BH 3 (8') (H500451-13)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3400	16.0	02/18/2015	ND	416	104	400	3.92	

Sample ID: BH 4 (8') (H500451-14)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	02/18/2015	ND	416	104	400	3.92	

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	02/16/2015	Sampling Date:	02/13/2015
Reported:	02/19/2015	Sampling Type:	Soil
Project Name:	COOPER JAL MAIN INJECTION LINE	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	UL-N SEC.18, T24S, R37E		

Sample ID: BH 5 (8') (H500451-15)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	784	16.0	02/18/2015	ND	416	104	400	3.92	

Sample ID: BH 6 (8') (H500451-16)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1520	16.0	02/18/2015	ND	416	104	400	3.92	

Sample ID: BH 7 (8') (H500451-17)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	02/18/2015	ND	416	104	400	3.92	

Cardinal Laboratories

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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

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Environmental Plus, Inc.

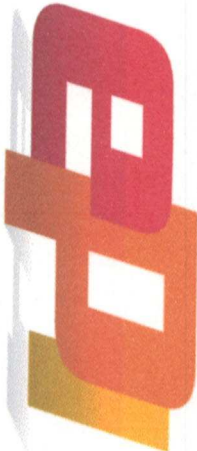
2100 Avenue O, Eunice, NM 88231
(575) 394-3481 FAX: (575) 394-2601

P.O. Box 1558, Eunice, NM 88231

Chain of Custody Form
LAB Cardinal

Bill To

ANALYSIS REQUEST



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

Company Name Environmental Plus, Inc.
EPI Project Manager Daniel Dominguez
Mailing Address P.O. BOX 1558
City, State, Zip Eunice New Mexico 88231
EPI Phone#/Fax# 575-394-3481 / 575-394-2601
Client Company Legacy LP
Facility Name Cooper Jal Main Injection Line
Location UL-N Sec. 18, T24S, R37E
Project Reference
EPI Sampler Name Heri Gaytan

LAB I.D.	SAMPLE I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.	SAMPLING		DATE	TIME	ANALYSIS REQUEST							
				GROUND WATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER:	ACID/BASE	ICE/COOL	OTHER			BTEX 8021B	TPH 8015M	CHLORIDES (Cl ⁻)	SULFATES (SO ₄ ²⁻)	pH	TCLP	OTHER >>>	PAH
#1500461	1 SW1 (2')	G	1			X					X		13-Feb-15	10:05			X					
	2 SW2 (2')	G	1			X					X		13-Feb-15	10:10			X					
	3 SW3 (2')	G	1			X					X		13-Feb-15	10:15			X					
	4 SW4 (2')	G	1			X					X		13-Feb-15	10:20			X					
	5 SW5 (2')	G	1			X					X		13-Feb-15	10:25			X					
	6 SW6 (2')	G	1			X					X		13-Feb-15	10:30			X					
	7 SW7 (2')	G	1			X					X		13-Feb-15	10:35			X					
	8 SW8 (2')	G	1			X					X		13-Feb-15	10:40			X					
	9 SW9 (2')	G	1			X					X		13-Feb-15	10:45			X					
	10 SW10 (2')	G	1			X					X		13-Feb-15	10:50			X					

Sampler Relinquished:

Date 2-16-15

Time 10:00 AM

Received By: Daniel Dominguez

Date 2-16-15

Time 3:35 PM

Received By: Noel Johnson

Date 2-16-15

Time 3:35 PM

Received By: Noel Johnson

Date 2-16-15

Time 3:35 PM

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

NOTES:

Relinquished by: Heri Gaytan

Date 2-16-15

Time 10:00 AM

Received By: Daniel Dominguez

Date 2-16-15

Time 3:35 PM

Received By: Noel Johnson

Date 2-16-15

Time 3:35 PM

Received By: Noel Johnson

Date 2-16-15

Time 3:35 PM

Delivered by: Daniel Dominguez

Date 2-16-15

Time 10:00 AM

Received By: Daniel Dominguez

Date 2-16-15

Time 3:35 PM

Received By: Noel Johnson

Date 2-16-15

Time 3:35 PM

Received By: Noel Johnson

Date 2-16-15

Time 3:35 PM

16.8°C

Sample Cool & Intact

Yes

No

Checked By: Noel Johnson

Date 2-16-15

Time 3:35 PM

Received By: Noel Johnson

Date 2-16-15

Time 3:35 PM

Received By: Noel Johnson

Date 2-16-15

#154

Environmental Plus, Inc.

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

P.O. Box 1558, Eunice, NM 88231

Chain of Custody Form

LAB Cardinal

Company Name		Environmental Plus, Inc.		Bill To		ANALYSIS REQUEST														
EPI Project Manager		Daniel Dominguez																		
Mailing Address		P.O. BOX 1558																		
City, State, Zip		Eunice New Mexico 88231																		
EPI Phone#/Fax#		575-394-3481 / 575-394-2601																		
Client Company		Legacy LP																		
Facility Name		Cooper Jal Main Injection Line																		
Location		UL-N Sec. 18, T24S, R37E																		
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		BTX 8021B	TPH 8015M	CHLORIDES (Cl ⁻)	SULFATES (SO ₄ ²⁻)	pH	TCLP	OTHER >>>	PAH
				GROUND WATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER:		ACID/BASE	ICE/COOL								
11	BH1 (8')	G	1			X														
12	BH2 (8')	G	1			X														
13	BH3 (8')	G	1			X														
14	BH4 (8')	G	1			X														
15	BH5 (8')	G	1			X														
16	BH6 (8')	G	1			X														
17	BH7 (8')	G	1			X														
18																				
19																				
20																				

Sampler Relinquished:	Date: 2-16-15	Received By: [Signature]	E-mail results to: ddominguezepi@gmail.com & jsoriano@legacylp.com
Relinquished by: [Signature]	Date: 2-16-15	Time: 1:00pm	NOTES:
Delivered by: [Signature]	Date: 2-16-15	Time: 3:35pm	
	Sample Cool & Intact	Yes	
	Checked By: [Signature]		



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

February 25, 2015

Daniel Dominguez

Environmental Plus, Inc.

P.O. Box 1558

Eunice, NM 88231

RE: CJU MAIN INJECTION LINE

Enclosed are the results of analyses for samples received by the laboratory on 02/24/15 15:41.

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

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 style with a large, stylized 'C' and 'K'.

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: 02/24/2015
Reported: 02/25/2015
Project Name: CJU MAIN INJECTION LINE
Project Number: NONE GIVEN
Project Location: UL-N SEC. 18, T24S, R37E

Sampling Date: 02/24/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SW9A (2') (H500521-01)**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	02/25/2015	ND	400	100	400	3.92	

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
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***	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

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Celey D. Keene, Lab Director/Quality Manager

LAB
Cardinal

[illegible]

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

HOBBS OCD

DEC 17 2014

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

RECEIVED State of New Mexico
Energy Minerals and Natural Resources

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

Form C-141
Revised October 10, 2003

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

Release Notification and Corrective Action

OPERATOR



Initial Report



Final Report

Name of Company: Legacy LP	Contact: Manuel Soriano
Address: P.O. Box 10848 Midland, TX 79702	Telephone No.: (432) 269 - 8806
Facility Name: Cooper Jal Main Injection Line	Facility Type: injection line

Surface Owner: Deep Wells Ranch, Inc.	Mineral Owner:	API:
---------------------------------------	----------------	------

LOCATION OF RELEASE

Unit Letter N	Section 18	Township 24S	Range 37E	Feet from the	North/South Line	Feet from the	East/West Line	County Lea
------------------	---------------	-----------------	--------------	---------------	------------------	---------------	----------------	---------------

Latitude: N 32° 12' 44.77" Longitude: W 103° 12' 19.84"

NATURE OF RELEASE

Type of Release: produced water	Volume of Release: 1,800 bbls	Volume Recovered: 1,170 bbls
Source of Release: injection line	Date and Hour of Occurrence: 11/17/14 @ am	Date and Hour of Discovery: 11/17/14 @ noon
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Dr. Tomas Oberding, NMOCD	
By Whom? Manuel Soriano	Date and Hour: 11/18/14 @ am	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse: Not Applicable	

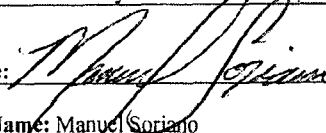
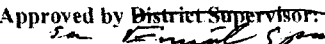
Depth to Water. ~125 ft bgs

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

Describe Cause of Problem and Remedial Action Taken.* Approximately 1,800 bbls of produced water were released when the sidewall of an injection line split. Vacuum trucks were dispatched to pick up any free standing liquids. There were approximately 1,170 bbls recovered.

Describe Area Affected and Cleanup Action Taken.* Approximately 65,400 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 responsibility for compliance with any other federal/state, or local laws and/or regulations.

Signature: 	OIL CONSERVATION DIVISION	
Printed Name: Manuel Soriano	Approved by District Supervisor: 	
Title: Production Foreman	Approval Date: 12-17-14	Expiration Date: 2-2-15
E-mail Address: jsoriano@legacylp.com	Conditions of Approval: <i>See Soriano report below no action was taken NMOCD gmk</i>	Attached <input type="checkbox"/> IRP-3464
Date: Phone: (432) 269-8806		

* Attach Additional Sheets If Necessary

Shirley Kail (m) by 2-19-15

240-979

p 701435154104

p 701435153856

p 701435153815

DEC 18 2014

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

State of New Mexico
Energy Minerals and Natural Resources
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised October 10, 2003

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

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company: Legacy LP	Contact: Manuel Soriano
Address: P.O. Box 10848 Midland, TX 79702	Telephone No.: (432) 269 ~ 8806
Facility Name: Cooper Jal Main Injection Line	Facility Type: injection line

Surface Owner: Deep Wells Ranch, Inc.	Mineral Owner:	API:
--	-----------------------	-------------

LOCATION OF RELEASE

Unit Letter N	Section 18	Township 24S	Range 37E	Feet from the	North/South Line	Feet from the	East/West Line	County Lea
-------------------------	----------------------	------------------------	---------------------	----------------------	-------------------------	----------------------	-----------------------	----------------------

Latitude: N 32° 12' 44.77" **Longitude:** W 103° 12' 19.84"

NATURE OF RELEASE

Type of Release: produced water	Volume of Release: 1,800 bbls	Volume Recovered: 1.170 bbls
Source of Release: injection line	Date and Hour of Occurrence: 11/17/14 @ am	Date and Hour of Discovery: 11/17/14 @ noon
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Dr. Tomas Oberding, NMOCD	
By Whom? Manuel Soriano	Date and Hour: 11/18/14 @ am	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse: Not Applicable	

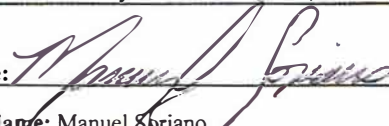

Depth to Water. ~125 ft bgs

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

Describe Cause of Problem and Remedial Action Taken.* Approximately 1,800 bbls of produced water were released when the sidewall of an injection line split. Vacuum trucks were dispatched to pick up any free standing liquids. There were approximately 1.170 bbls recovered.

Describe Area Affected and Cleanup Action Taken.* Approximately 65,400 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. Release area was excavated and sampled; with contaminated soil hauled to a state approved disposal facility. Based upon laboratory analytical data and with NMOCD approval, 20 mil polyethylene liners were placed in excavation floor over contaminated areas. After liner installation excavation was backfilled with clean soil and contoured as per NMOCD guidelines.

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

Signature: 	OIL CONSERVATION DIVISION	
Printed Name: Manuel Soriano	Env. Specialist Approved by:  District Supervisor	
Title: Production Foreman	Approval Date: 09/28/2015	Expiration Date: ///
E-mail Address: jsoriano@legacvlp.com	Conditions of Approval: ///	Attached <input type="checkbox"/> IRP 3464
Date: 5-4-15 Phone: (432) 269-8806		

* Attach Additional Sheets If Necessary