



6 April 2016

Mr. Jaime Keyes  
Environmental Specialist  
NMOCD  
1625 N. French Drive  
Hobbs, New Mexico 88240

**Re: Initial C-141  
Legacy, L.P.  
LR Chamberlain Battery  
UL-C, Section 14, Township 15 South, Range 37 East  
Lea County, New Mexico**

Mr. Keyes:

Environmental Plus, Inc. (EPI), on behalf of Mr. Manuel Soriano, Legacy, L.P., submits the attached form C-141 for the above-referenced leak site, located on land owned by Darr Angell.

The site is located approximately 11 miles northeast of Lovington, New Mexico (reference *Figure 1*). A search for water wells was completed utilizing the New Mexico Office of the State Engineer's website and a United States Geological Survey (USGS) database. A total of sixteen (16) wells are located in the area surrounding the release site (reference *Table 1*). 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*). Groundwater data indicated the average water depth is approximately 55 feet below ground surface (bgs). The attached site information and ranking form ranks the site in accordance with the New Mexico Oil Conservation Division (NMOCD) Guidelines for Remediation of Leaks, Spills and Releases (August 13, 1993).

The release occurred when the dump on the free water knockout malfunctioned. Approximately 260 bbls of oil and produced water were released with approximately 250 bbls picked up by vacuum trucks (reference *Figure 3* and attached photographs). Based on available information, the projected distance between impacted soil and groundwater is approximately 55 vertical feet. Utilizing this information, NMOCD Recommended Remedial Action Levels (RRALs) for this Site were determined as follows:

Parameter	Recommended Remedial Action Level
Benzene	10 parts per million
BTEX	50 parts per million
TPH	1,000 parts per million
Chloride	500 parts per million

Should you have any questions or concerns please feel free to contact me at (575) 394-3481 or via e-mail at [ddominguezepi@gmail.com](mailto:ddominguezepi@gmail.com) or Mr. Manuel Soriano at (432) 269-8806 or via e-mail at [jsoriano@legacyp.com](mailto:jsoriano@legacyp.com). All official communication should be addressed to:

Mr. Manuel Soriano  
Legacy, L.P.  
P.O. Box 10848  
Midland, Texas 79702

Sincerely,

ENVIRONMENTAL PLUS, INC.

Daniel Dominguez  
Environmental Consultant

cc: Manuel Soriano, Production Foreman – Legacy, L.P.  
File

## **FIGURES**

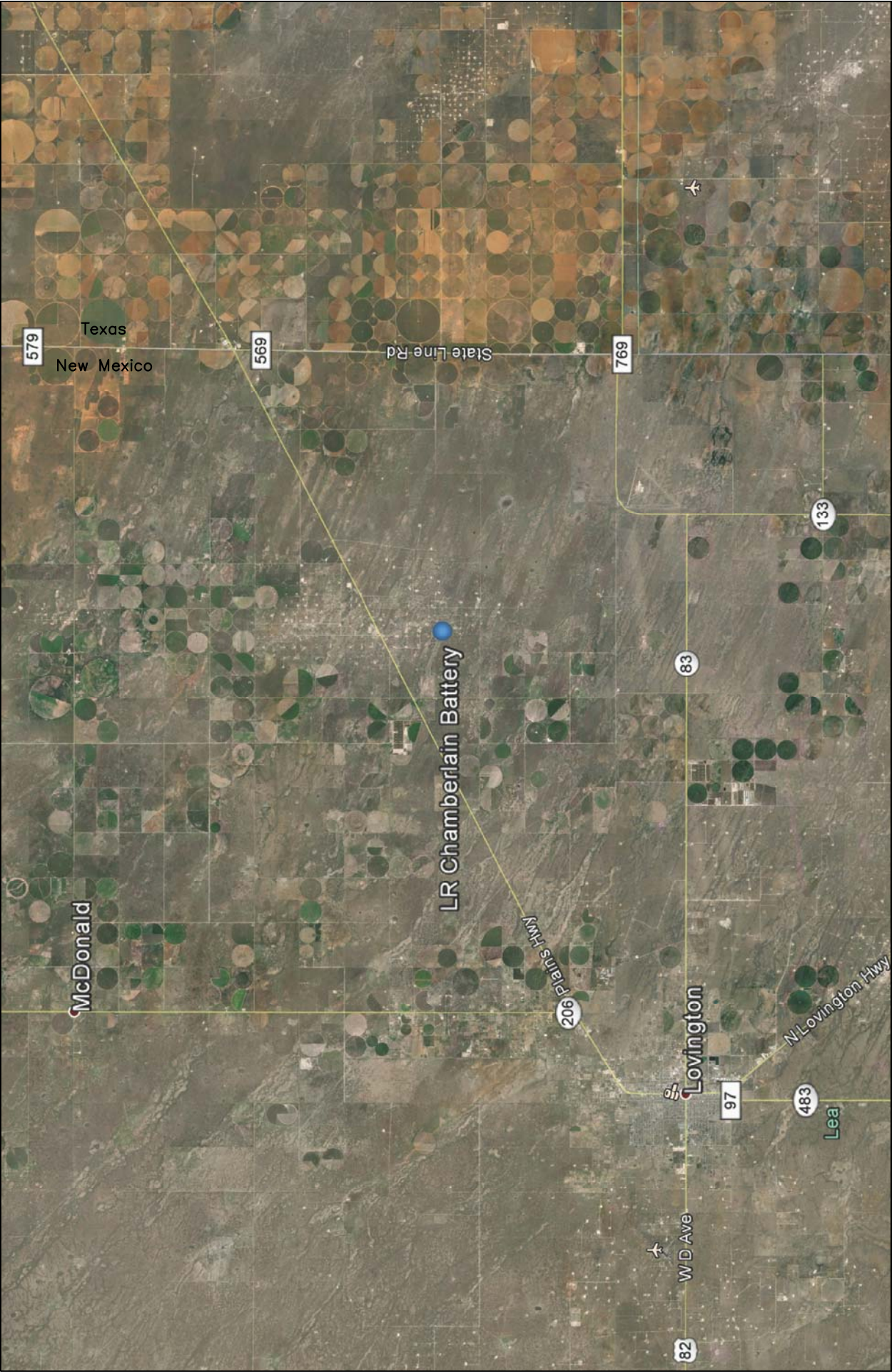
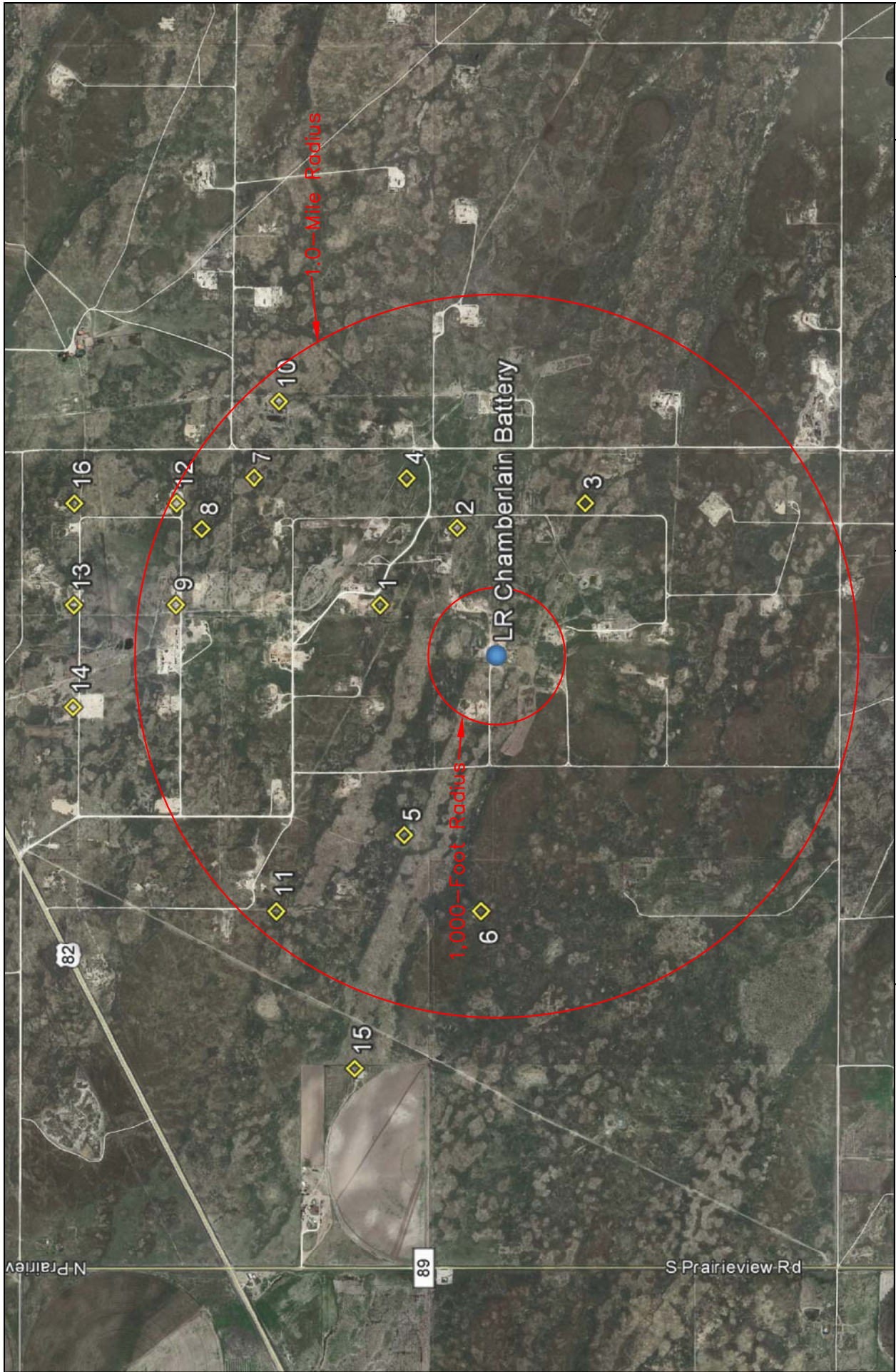


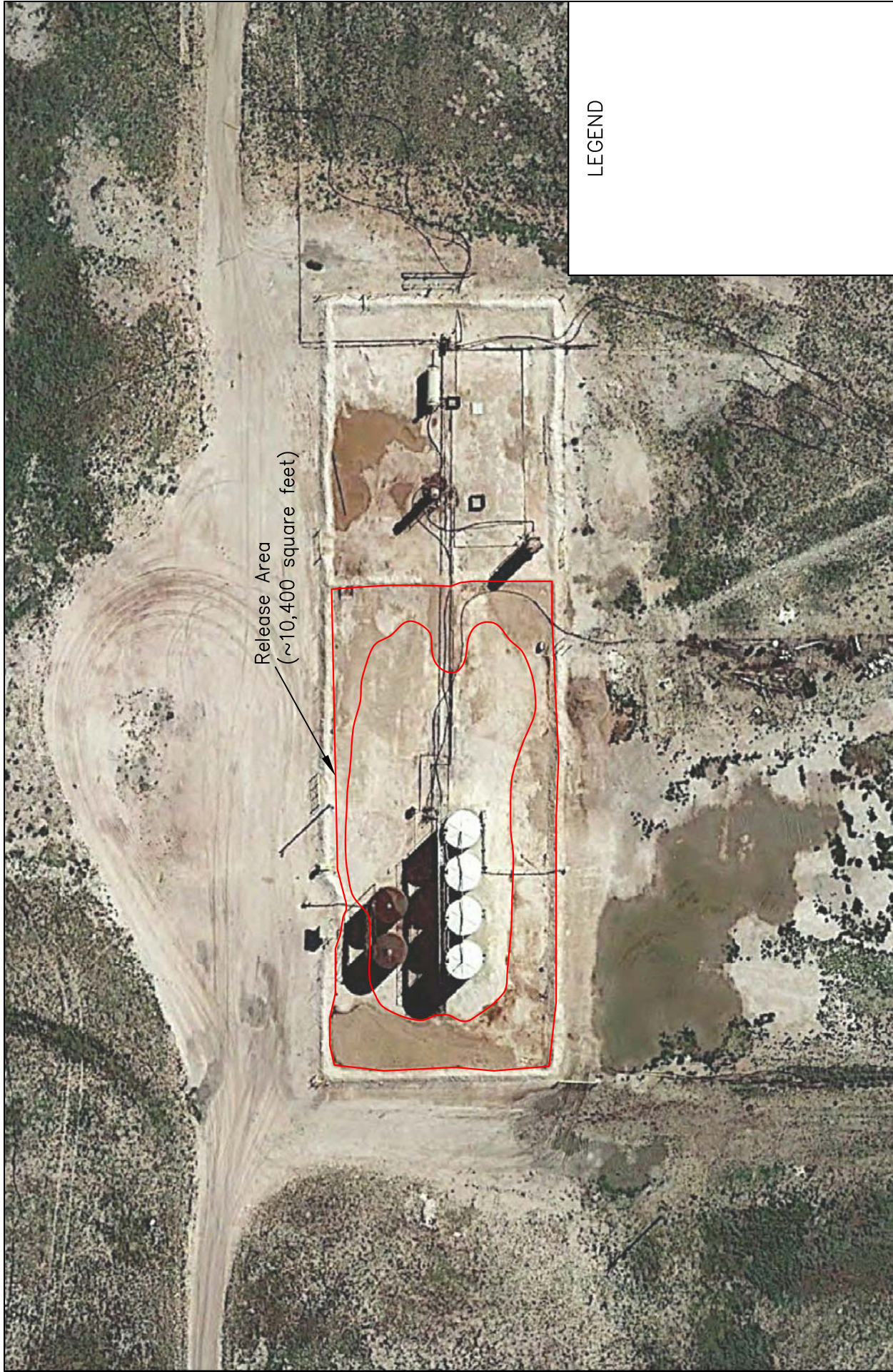
Figure 1 Area Map Legacy, L.P. LR Chamberlain Battery	Lea County, New Mexico NE 1/4 of NW 1/4, Sec. 14, T15S, R37E N 33° 1' 20.51" W 103° 10' 15.22" Elevation: 3,800 feet amsl	DWG By: D Dominguez April 2016	REVISED:	
		0 3 6	SHEET 1 of 1	
		 Miles		





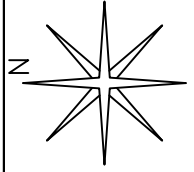
<p>Figure 2 Site Location Map Legacy, L.P. LR Chamberlain Battery</p>	<p>Lea County, New Mexico NE 1/4 of NW 1/4, Sec. 14, T15S, R37E N 33° 1' 20.51" W 103° 10' 15.22" Elevation: 3,800 feet amsl</p>	<p>DWG By: D Dominguez April 2016</p> <p>REvised:</p> <p>0 2,000 4,000 Feet</p> <p>SHEET 1 of 1</p>
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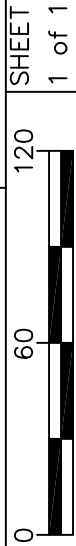
Release Area  
(~10,400 square feet)

LEGEND



REVISED:

DWG By: D Dominguez  
April 2016



SHEET  
1 of 1

Lea County, New Mexico  
NE 1/4 of NW 1/4, Sec. 14, T15S, R37E  
N 33° 1' 20.51" W 103° 10' 15.22"  
Elevation: 3,800 feet amsl

Figure 3  
Site Map  
Legacy, L.P.  
LR Chamberlain Battery

## **TABLES**

TABLE 1

## Well Data

## Legacy, L.P. - LR Chamberlain Battery

Ref #	Well Number	Use	Diversion <sup>A</sup>	Owner	q64	q16	q4	Sec	Twsp	Rng	Easting	Northing	Distance <sup>B</sup>	Date Measured	Surface Elevation <sup>C</sup>	Depth to Water (ft bgs)
1	L 01320	PRO	0	BIG CHIEF DRILLING CO.		3	4	11	15S	37E	671026	3655710	495	31-Dec-51	3,795	32
2	L 01080	PRO	0	MCLESTER FUEL CO.	1	2	2	14	15S	37E	671336	3655412	524	02-Mar-51	3,791	32
3	L 02382	DOM	3	GULF REFINING COMPANY		4	2	14	15S	37E	671444	3654911	697	07-Nov-53	3,790	35
4	L 07665	PRO	0	M G F DRILLING COMPANY INC	4	4	4	11	15S	37E	671529	3655614	781	28-Mar-77	3,791	40
5	L 02391	STK	3	J M DENTON	3	3	3	11	15S	37E	670118	3655599	797	24-Oct-53	3,800	37
6	L 01207	PRO	0	PARKER DRILLING CO		2	2	15	15S	37E	669823	3655292	1013	30-Jul-51	3,805	32
7	L 02302	PRO	0	STONE DRILLING COMPANY	2	2	4	11	15S	37E	671521	3656216	1182	06-Aug-53	3,796	45
8	L 01117	PRO	0	PHILLIPS PETROLEUM CO	3	4	2	11	15S	37E	671314	3656419	1260	10-May-51	3,797	50
9	L 01283	PRO	0	PHILLIPS PETROLIEM COMPANY		3	2	11	15S	37E	671012	3656515	1274	20-Oct-51	3,799	40
10	L 01568	DOL	3	OLLIBEL C CARD ESTATE		1	3	12	15S	37E	671826	3656122	1317	08-Sep-52	3,792	38
11	L 02268	PRO	0	SHELL OIL CO.		2	4	10	15S	37E	669808	3656097	1330	20-Jun-53	3,807	55
12	L 01321	PRO	0	LLANO DRILLING CO.		4	2	11	15S	37E	671415	3656520	1393	20-Dec-51	3,796	32
13	L 01324	PRO	0	PHILLIPS PETROLEUM CO.		1	2	11	15S	37E	671004	3656917	1672	26-Dec-51	3,801	32
14	L 01430	PRO	0	PHILLIPS PETROLEUM CO		2	1	11	15S	37E	670601	3656913	1677	14-Apr-52	3,804	33
15	L 13485	DOM	1	DAVID TORRES	3	4	2	10	15S	37E	669192	3655778	1725	13-Dec-13	3,809	103
16	L 01332	PRO	0	BRINKENHOFF DRILLING CO.		2	2	11	15S	37E	671408	3656922	1764	16-Nov-51	3,799	32

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

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

<sup>B</sup> = In meters

<sup>C</sup> = Elevation interpolated from satellite map based on referenced location.

PRO = 72-12-1 Prospecting or development of Natural Resource

DOM = 72-12-1 Domestic one household

STK = 72-12-1 Livestock watering

DOL = 72-12-1 Domestic and Livestock watering

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



## **ATTACHMENTS**

**ATTACHMENT I  
PHOTOGRAPHS**



Photograph #1- Release with in containment berm.



Photograph #2- Southerly view over release area.





Photograph #3- Looking south across release area.



Photograph #4- Looking west across release area.



Photograph #5- Looking east across release area.



Photograph #6- Looking east across release area.

**ATTACHMENT II  
INFORMATION AND RANKING  
INITIAL C-141**



Information and Ranking	<b>Incident Date:</b> 2-15-16		<b>NMOCD Notified:</b>	
<b>Site:</b> LR Chamberlain Battery		<b>Assigned Site Reference #:</b>		
<b>Company:</b> Legacy, L.P.				
<b>Street Address:</b>				
<b>Mailing Address:</b> P.O. Box 10848				
<b>City, State, Zip:</b> Midland, Texas, 79702				
<b>Representative:</b> Manuel Soriano				
<b>Representative Telephone:</b> (432) 269 – 8809				
<b>Telephone:</b>				
<b>Fluid volume released (bbls):</b> 260 bbls			<b>Recovered (bbls):</b> 250 bbls	
<b>&gt;25 bbls: Notify NMOCD verbally within 24 hrs and submit form C-141 within 15 days.</b> <b>(Also applies to unauthorized releases &gt;500 mcf Natural Gas)</b>				
<b>5-25 bbls: Submit form C-141 within 15 days (Also applies to unauthorized releases of 50-500 mcf Natural Gas)</b>				
<b>Leak, Spill, or Pit (LSP) Name:</b> LR Chamberlain Battery				
<b>Source of contamination:</b> Tank Battery				
<b>Land Owner, i.e., BLM, ST, Fee, Other:</b> Fee				
<b>LSP Dimensions:</b>				
<b>LSP Area:</b> ~ 10,400 sq. ft.				
<b>Location of Reference Point (RP):</b>				
<b>Location distance and direction from RP:</b>				
<b>Latitude:</b> N 33° 1' 20.51"				
<b>Longitude:</b> W 103° 10' 15.22"				
<b>Elevation above mean sea level:</b> 3,800 feet				
<b>Feet from Section Line:</b>				
<b>Feet from Section Line:</b>				
<b>Location- Unit or ¼:</b> NE¼ of the NW¼		<b>Unit Letter:</b> C		
<b>Location- Section:</b> 14				
<b>Location- Township:</b> T15S				
<b>Location- Range:</b> R37E				
<b>Surface water body within 1000' radius of site:</b> none				
<b>Domestic water wells within 1000' radius of site:</b> none				
<b>Agricultural water wells within 1000' radius of site:</b> none				
<b>Public water supply wells within 1000' radius of site:</b> none				
<b>Depth from land surface to ground water (DG):</b> ~ 55'				
<b>Depth of contamination (DC):</b> unknown				
<b>Depth to ground water (DG – DC = DtGW):</b> ~ 55'				
<b>1. Ground Water</b>		<b>2. Wellhead Protection Area</b>		<b>3. Distance to Surface Water Body</b>
If Depth to GW <50 feet: <i>20 points</i>		If <1000' from water source, or; <200' from private domestic water source: <i>20 points</i>		<200 horizontal feet: <i>20 points</i>
If Depth to GW 50 to 99 feet: <i>10 points</i>				200-100 horizontal feet: <i>10 points</i>
If Depth to GW >100 feet: <i>0 points</i>		If >1000' from water source, or; >200' from private domestic water source: <i>0 points</i>		>1000 horizontal feet: <i>0 points</i>
<i>Site Rank (1+2+3) = 10 + 0 + 0 = 10</i>				
<b>Total Site Ranking Score and Acceptable Concentrations</b>				
Parameter	>19	10-19		0-9
Benzene <sup>1</sup>	10 ppm	10 ppm		10 ppm
BTEX <sup>1</sup>	50 ppm	50 ppm		50 ppm
TPH	100 ppm	1,000 ppm		5,000 ppm
Chloride	250 ppm	500 ppm		1,000 ppm
<sup>1</sup> 100 ppm field VOC headspace measurement may be substituted for lab analysis				

**RECEIVED****By JKeyes at 8:33 am, Apr 25, 2016**

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

State of New Mexico  
Energy Minerals and Natural Resources

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

Form C-141  
Revised August 8, 2011

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

**Release Notification and Corrective Action****OPERATOR**☒ Initial Report ☐ Final Report

Name of Company: Legacy, L.P.	Contact: Manuel Soriano
Address: P.O. Box 10848, Midland, Texas 79702	Telephone No. 432-269-8806
Facility Name: LR Chamberlain Battery	Facility Type: Battery

Surface Owner: Darr Angell	Mineral Owner:	API No.
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**LOCATION OF RELEASE**

Unit Letter C	Section 14	Township 15S	Range 37E	Feet from the	North/South Line	Feet from the	East/West Line	County Lea
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**Latitude:** N 33.022359° **Longitude:** W 103.170896°

**NATURE OF RELEASE**

Type of Release: oil and produced water	Volume of Release: ~260 bbls	Volume Recovered: ~250 bbls
Source of Release: dump on free water knockout malfunction	Date and Hour of Occurrence: 2-15-16 @ 11:00 pm	Date and Hour of Discovery: 2-16-16 @ 8:30 am
Was Immediate Notice Given? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	
By Whom?	Date and Hour:	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse: Not Applicable	

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

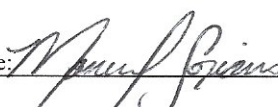

Describe Cause of Problem and Remedial Action Taken.\*

The dump on the free water knockout malfunctioned causing the release of oil and produced water. Vacuum trucks were called in to draw up standing fluid.

Describe Area Affected and Cleanup Action Taken.\*

The spill impacted approximately 10,400 sq. ft. of caliche tank battery pad. The entire release of oil and produced water was contained within the berms. Vacuum trucks collected approximately 250 bbls of fluid from within containment. The stained soil has been scraped up and hauled to a state approved disposal facility.

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: 	<b>OIL CONSERVATION DIVISION</b>	
Printed Name: Manuel Soriano	Approved by Environmental Specialist: 	
Title: Production Foreman	Approval Date: 04/25/2016	Expiration Date: 06/25/2016
E-mail Address: jsoriano@legacylp.com	Conditions of Approval: Discrete samples only. Delineate and remediate per NMOCD guidelines.	Attached <input type="checkbox"/> IRP 4258
Date: 4-22-16	Phone: 432-269-8806	

\* Attach Additional Sheets If Necessary

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pJXK1611630727