



# Phillips Lea Battery

(Phillips Lea #002)

## CLOSURE REQUEST

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API No. 30-025-02163

Release Date: November 28, 2014

Unit Letter G, Section 31, Township 17 South, Range 34 East

NMOCD Case #: 1R-3516

May 9, 2017

**Prepared by:**

Michael Burton  
Environmental Department  
Diversified Field Service, Inc.  
206 W Snyder  
Hobbs, NM 88240  
Phone: (575)964-8394  
Fax: (575)964-8396

Olivia Yu  
Environmental Specialist  
NM Oil Conservation District – Division 1  
1625 N French Drive  
Hobbs, NM 88240

RE: **Linn Phillips Lea Battery (Phillips Lea #002)**  
**Closure Request**  
UL/G, Section 31, T17S, R34E  
API No. 30-025-02163  
NMOCD Case #: 1R-3516  
NMOCD Score: 0

Ms. Yu,

Linn Energy (Linn) has retained Diversified Field Service, Inc. (DFSI) to address environmental issues for the site detailed herein.

The site is located southeast of Maljamar, NM, in Lea County. A release resulted from a corroded plug, releasing a total of 80 barrels of produced water within the diked berm, with 80 barrels recovered. An initial C-141 was submitted to NMOCD on December 1, 2014 and approved on January 29, 2015 (Appendix I).

### **Conclusion**

The impacted soils were excavated to a depth of 1' bgs and properly disposed of at an approved facility. The excavation was backfilled with clean, imported caliche to ground surface and contoured to the surrounding area. Current site photo documentation is provided (Appendix II). Additional remediation will occur at time of site abandonment.

DFSI has conducted a groundwater study of the area and has determined, according to the New Mexico Office of the State Engineer and Chevron Trend Map, the average depth to groundwater at this site is 139 ft below ground surface (bgs). Therefore, no eminent danger of groundwater impact or threat to life is anticipated (Appendix III).

Due to the removal of impacted soils relative to the depth of groundwater, DFSI, on behalf of Linn Energy, submits the final C-141 (Appendix IV) and respectfully requests the closure of the regulatory file for this site.

Please feel free to contact myself at 575-390-5454 with any questions concerning this closure request.

Sincerely,



Michael Burton  
Environmental Operations Director | Diversified Field Service, Inc.  
206 West Snyder | Hobbs, NM 88240  
Office: (575)964-8394 | Mobile: (575)390-5454  
Fax: (575)964-8396 | Email: mburton@diversifiedfsi.com

Appendices:      Initial C-141  
                         Current Site Photos  
                         Groundwater Study  
                         Final C-141

# Appendix I

INITIAL C-141

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Diversified Field Service, Inc.  
206 W. Snyder  
Hobbs, NM 88240  
(575) 964-8394

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	Linn Operating Inc.	Contact	E.L. Gonzales
Address	2130 W Bender Blvd Hobbs, NM 88240	Telephone No.	575-738-1739
Facility Name	Phillips Lea Battery (closest well Phillips Lea #2)	Facility Type	Battery
Surface Owner	State	Mineral Owner	API No. closest well 30-025-02163

### LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
G	31	17S	34E	2310	North	1650	East	Lea

Latitude 32.7921903270047 Longitude -103.596789576576

### NATURE OF RELEASE

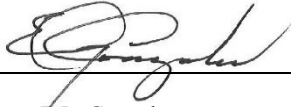
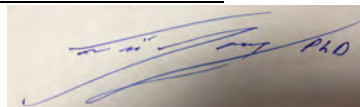
Type of Release	Produced Water	Volume of Release	80 bbls	Volume Recovered	80bbls
Source of Release	Corrosion - Plug	Date and Hour of Occurrence	11/28/2014	Date and Hour of Discovery	11/28/2014 1:00pm
Was Immediate Notice Given?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> 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.			

If a Watercourse was Impacted, Describe Fully.\*

Describe Cause of Problem and Remedial Action Taken.\* At around 1:00 pm I was notified of a spill at the Phillips Lea Battery water tank, Upon investigation of the incident which was cause by corrosion from the Production water in piping equipment which ate away at a pug in filtration pod, and I notified personnel of findings and how issue was address.

Describe Area Affected and Cleanup Action Taken.\* I notified my immediate personnel of the situation that was caused inside a 20W x 30L dike area. I immediately called for a Vacuum truck to address the recovery of production water.

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: E.L. Gonzales	Approved by Environmental Specialist: Hydrologist	
Title: Production Supervisor	Approval Date: 01/29/2015	Expiration Date: 03/29/2015
E-mail Address: elgonzales@linenergy.com	Conditions of Approval: Site samples required. Delineate and remediate area as per	Attached <input type="checkbox"/> 3516
Date: 12/01/14 Phone: 505-504-8002		

\* Attach Additional Sheets If Necessary

NMOCD guides. Submit final  
C-141 by 03/29/2015

269324  
nTO1502934434  
pTO1502934638

# Appendix II

## CURRENT SITE PHOTODOCUMENTATION

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# Phillips Lea Battery



Current photo documentation

5/8/2017



Current photo documentation

5/8/2017



Current photo documentation

5/8/2017



Current photo documentation

5/8/2017

# Appendix III

## GROUNDWATER STUDY

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Diversified Field Service, Inc.  
206 W. Snyder  
Hobbs, NM 88240  
(575) 964-8394





# 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	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	DepthWell	DepthWater	Water Column
<a href="#">L 01695 POD2</a>		L	LE	3	3	1	30	17S	34E	104	32	240	156	84
<a href="#">L 01696</a>	R	L	LE	4	4	1	30	17S	34E	630974	3630716*	240	149	91
<a href="#">L 01696 S3</a>		L	LE	2	4	3	30	17S	34E	630986	3630111*	232	168	64
<a href="#">L 01697</a>	R	L	LE	4	4	2	30	17S	34E	631778	3630729*	252	138	114
<a href="#">L 01697 POD2</a>		L	LE	4	4	3	30	17S	34E	630986	3629911*	240	140	100
<a href="#">L 04734</a>		L	LE		3	3	31	17S	34E	630555	3628397*	186	135	51
<a href="#">L 11232</a>		L	LE	2	3	4	31	17S	34E	631413	3628508*	235	140	95

Average Depth to Water: 146 feet

Minimum Depth: 135 feet

Maximum Depth: 168 feet

Record Count: 7

PLSS Search:

Section(s): 29, 30, 31, 32 Township: 17S Range: 34E

\*UTM location was derived from PLSS - see Help

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.

5/5/17 2:04 PM

WATER COLUMN/ AVERAGE DEPTH TO WATER



# New Mexico Office of the State Engineer

## Water Column/Average Depth to Water

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(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	DepthWell	DepthWater	Water Column
<a href="#">L 01002 POD1</a>		L	LE	2	1	2	06	18S	34E	631419	3628107*	158		
<a href="#">L 04898</a>		L	LE		4	3	06	18S	34E	630937	3626796*	185	150	35
<a href="#">L 05063</a>		L	LE	1	2	2	06	18S	34E	631621	3628114*	170	110	60
<a href="#">L 06997</a>		L	LE		1	3	06	18S	34E	630571	3627192*	225	140	85
<a href="#">L 07018</a>		L	LE				05	18S	34E	632746	3627417*	236	105	131

Average Depth to Water: 126 feet

Minimum Depth: 105 feet

Maximum Depth: 150 feet

Record Count: 5

PLSS Search:

Section(s): 5, 6

Township: 18S

Range: 34E

\*UTM location was derived from PLSS - see Help

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5/5/17 2:04 PM

WATER COLUMN/ AVERAGE DEPTH TO WATER



# New Mexico Office of the State Engineer

## Water Column/Average Depth to Water

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

No records found.

PLSS Search:

Section(s): 1      Township: 18S      Range: 33E

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5/5/17 2:05 PM

WATER COLUMN/ AVERAGE  
DEPTH TO WATER



# New Mexico Office of the State Engineer

## Water Column/Average Depth to Water

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(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec 25	Tws 17S	Rng 33E	X	Y	DepthWell	DepthWater	Water Column
<a href="#">L 01695</a>	R	L	ED	4	4	2	25	17S	33E	630220	3630704*	230	137	93
<a href="#">L 02687</a>		L	LE	2	2	36	17S	33E	630137	3629598*				

Average Depth to Water: 137 feet

Minimum Depth: 137 feet

Maximum Depth: 137 feet

Record Count: 2

PLSS Search:

Section(s): 25, 36

Township: 17S

Range: 33E

\*UTM location was derived from PLSS - see Help

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5/5/17 2:04 PM

WATER COLUMN/ AVERAGE DEPTH TO WATER

# Appendix IV

FINAL C-141

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Diversified Field Service, Inc.  
206 W. Snyder  
Hobbs, NM 88240  
(575) 964-8394

District I  
1625 N. French Dr., Hobbs, NM 88240  
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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: Linn Energy	Contact: Aaron Hickert
Address: 2130 W Bender, Hobbs, NM 88240	Telephone No. 575-738-1739
Facility Name: Phillips Lea Battery (Phillips Lea #002)	Facility Type: Battery

Surface Owner: State	Mineral Owner:	API No. 30-025-02163
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**LOCATION OF RELEASE**

Unit Letter G	Section 31	Township 17S	Range 34E	Feet from the 2310	North/South Line North	Feet from 1650	East/West Line East	County Lea
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Latitude: 32.7921903270047 Longitude: -103.596789576576

**NATURE OF RELEASE**

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Source of Release: Corrosion - Plug	Date and Hour of Occurrence 11/28/2014	Date and Hour of Discovery 11/28/2014 1:00 PM
Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	
By Whom?	Date and Hour:	
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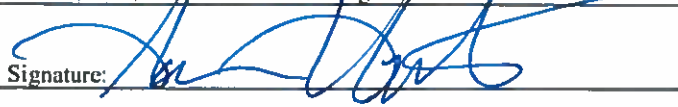
Describe Cause of Problem and Remedial Action Taken.\*

At around 1:00 pm, received notification of a spill at the Phillips Lea Battery water tank, Upon investigation of the incident, it was cause by corrosion from the Production water in piping equipment which ate away at a pug in filtration pod. Located inside of diked 20' x 30' area.

Describe Area Affected and Cleanup Action Taken.

The impacted soils were excavated to a depth of 1' bgs and properly disposed of at an approved facility. The excavation was backfilled with clean, imported caliche to ground surface and contoured to the surrounding area. Additional remediation will occur at time of site abandonment.

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Signature: 	<b>OIL CONSERVATION DIVISION</b>		
Printed Name: Aaron Hickert	Approved by Environmental Specialist:		
Title: Sr EH&S Representative	Approval Date:	Expiration Date:	
E-mail Address: ahickert@linnenergy.com	Conditions of Approval:		Attached <input type="checkbox"/>
Date: 05/08/2017 Phone: 432-363-9496			

\* Attach Additional Sheets If Necessary