



# Caprock Maljamar Unit #506

## CLOSURE REQUEST

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API No. 30-025-29127

Release Date: August 20, 2014

Unit Letter O, Section 18, Township 17 South, Range 33 East

NMOCD Case #: 1R-3323

**APPROVED**

*By Olivia Yu at 9:37 am, Jun 01, 2017*

May 9, 2017

NMOCD approves  
1RP-3323 for  
closure.

**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 Caprock Maljamar Unit #506**  
**Closure Request**  
UL/O, Section 18, T17S, R33E  
API No. 30-025-39127  
NMOCD Case #: 1R-3323  
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 hole in a poly flowline, releasing a total of 0.5 barrels of produced water and 1 gallon of oil, with none recovered. An initial C-141 was submitted to NMOCD on August 22, 2014 and approved on September 16, 2014 (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 181 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  
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

HOBBS OGD

Form C-141  
Revised October 10, 2003

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

SEP 16 2014

RECEIVED

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

|   |                             |                       |
|---|-----------------------------|-----------------------|
| Name of Company: Linn Operating           | Contact: Brian Wall         |                       |
| Address: 2130 W. Bender Hobbs, NM 88240   | Telephone No.: 575-738-1739 |                       |
| Facility Name: Caprock Maljamar Unit #506 | Facility Type: Oil Producer |                       |
| Surface Owner: State                      | Mineral Owner:              | API No.: 30-025-39127 |

LOCATION OF RELEASE

|                  |               |                 |              |                       |                           |                       |                        |               |
|------------------|---------------|-----------------|--------------|-----------------------|---------------------------|-----------------------|------------------------|---------------|
| Unit Letter<br>O | Section<br>18 | Township<br>17S | Range<br>33E | Feet from the<br>1308 | North/South Line<br>South | Feet from the<br>1980 | East/West Line<br>East | County<br>Lea |
|------------------|---------------|-----------------|--------------|-----------------------|---------------------------|-----------------------|------------------------|---------------|

Latitude: 32.830883771819 Longitude: -103.700459051885

NATURE OF RELEASE

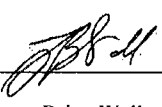
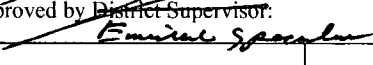
|  |  |  |
|--|--|--|
| Type of Release: Produced Water / Oil  | Volume of Release: .5 bbls / 1 gal         | Volume Recovered: 0 / 0                          |
| Source of Release: Poly flowline   | Date and Hour of Occurrence:<br>08/20/2014 | Date and Hour of Discovery:<br>08/20/2014 2:00pm |
| Was Immediate Notice Given?<br><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required | If YES, To Whom?<br>Jeff Robertson - BLM   |  |
| By Whom? Brian Wall  | Date and Hour 08/21/2014 0800 (written)    |  |
| Was a Watercourse Reached?<br><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 appx 2:00pm I received a phone call from M&S hot oiler. He pulled up to the CMU #506 to hot water the well when he noticed the casing valve closed on the well head. He then opened the casing valve and noticed it was pressured up and blew a hole in the the poly flowline.

Describe Area Affected and Cleanup Action Taken.\* : The size of area affected was appx 10' X 30' right off location. Appx 1/2 bbl of water was released and about 1 gal of oil.  
Directions to site: From Maljamar go South on Hwy 126 6/10 of a mile turn on Hwy 125 (Mescalero Rd) go 2.8 miles to Location rd W-3 go 1.5miles till you get on top of cap turn left location is on your right.

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: Brian Wall   | Approved by District Supervisor:<br> |                                   |
| Title: Construction Foreman II   | Approval Date: 9-16-14   | Expiration Date: 11-16-14         |
| E-mail Address: bwall@linenergy.com  | Conditions of Approval:<br>Site Inspected  | Attached <input type="checkbox"/> |
| Date: 08/22/2014 Phone: 806-367-0645   | Request Delivered & resolved<br>area as per NMOCD guidelines<br>Submit Rule C-141 by 11-16-14                            |                                   |

\* Attach Additional Sheets If Necessary

SEP 16 2014

IRP-3323  
Ogrod 269324  
NTO 1425 936548  
P701725 936704



# Appendix II

## CURRENT SITE PHOTODOCUMENTATION

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# CMU #506



Current site photo documentation 5/8/2017



Current site photo documentation 5/8/2017



Current site photo documentation 5/8/2017



Current site 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       | County | Q Q Q |    |   |     |     |     | X      | Y        | DepthWell   | DepthWater | Water Column |     |
|-------------------------------|------|-----------|--------|-------|----|---|-----|-----|-----|--------|----------|---|------------|--------------|-----|
|                               |      | Sub-basin |        | 64    | 16 | 4 | Sec | Tws | Rng |        |          |   |            |              |     |
| <a href="#">L 01391 POD7</a>  |      | L         | LE     | 2     | 2  | 2 | 08  | 17S | 33E | 623670 | 3636047  |    | 280        | 172          | 108 |
| <a href="#">L 02770</a>       |      | L         | LE     |       |    | 2 | 18  | 17S | 33E | 621836 | 3634093* |    | 216        | 179          | 37  |
| <a href="#">L 02770 S</a>     |      | L         | LE     |       |    | 4 | 07  | 17S | 33E | 621825 | 3634898* |    | 227        | 182          | 45  |
| <a href="#">L 02770 S2</a>    |      | L         | LE     | 2     | 2  | 3 | 18  | 17S | 33E | 621338 | 3633583* |    | 214        | 184          | 30  |
| <a href="#">L 02770 S3</a>    |      | L         | LE     | 2     | 2  | 3 | 18  | 17S | 33E | 621338 | 3633583* |    | 220        | 202          | 18  |
| <a href="#">L 02875</a>       |      | L         | LE     |       | 2  | 2 | 20  | 17S | 33E | 623662 | 3632717* |    | 250        | 190          | 60  |
| <a href="#">L 03622</a>       |      | L         | LE     |       |    |   | 17  | 17S | 33E | 623053 | 3633703* |    | 226        | 180          | 46  |
| <a href="#">L 03726</a>       |      | L         | LE     | 1     | 2  | 2 | 18  | 17S | 33E | 621930 | 3634400* |    | 208        | 188          | 20  |
| <a href="#">L 04038</a>       |      | L         | LE     |       | 1  | 4 | 08  | 17S | 33E | 623226 | 3635124* |    | 245        | 173          | 72  |
| <a href="#">L 04122</a>       |      | L         | LE     |       | 2  | 3 | 07  | 17S | 33E | 621216 | 3635093* |    | 249        | 214          | 35  |
| <a href="#">L 12974 POD1</a>  |      | L         | LE     | 3     | 4  | 3 | 18  | 17S | 33E | 621233 | 3632940  |    | 140        | 130          | 10  |
| <a href="#">RA 11936 POD1</a> |      |           | LE     | 1     | 4  | 1 | 19  | 17S | 33E | 621246 | 3632321  |    | 92         |              |     |
| <a href="#">RA 11937 POD1</a> |      |           | LE     | 1     | 4  | 1 | 19  | 17S | 33E | 621244 | 3632281  |  | 95         |              |     |
| <a href="#">RA 11957 POD1</a> |      |           | LE     | 3     | 4  | 1 | 19  | 17S | 33E | 621177 | 3632200  |  | 55         |              |     |

Average Depth to Water: 181 feet

Minimum Depth: 130 feet

Maximum Depth: 214 feet

Record Count: 14

PLSS Search:

Section(s): 7, 8, 17, 18, 19, Township: 17S Range: 33E  
20

\*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 3:05 PM

WATER COLUMN/ AVERAGE DEPTH TO WATER





# 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 | Sub-basin | County | Q | Q | Q | Sec | Tws | Rng | X      | Y       | DepthWell | DepthWater | Water Column |
|-------------------------------|------|-----------|--------|---|---|---|-----|-----|-----|--------|---------|-----------|------------|--------------|
| <a href="#">RA 11911 POD1</a> |      |           | LE     | 1 | 3 | 1 | 24  | 17S | 32E | 619192 | 3632296 |           | 35         |              |

Average Depth to Water: --

Minimum Depth: --

Maximum Depth: --

Record Count: 1

PLSS Search:

Section(s): 12, 13, 24

Township: 17S

Range: 32E

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 3:05 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  
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 Energy            | Contact: Aaron Hickert      |
| Address: 2130 W Bender, Hobbs, NM 88240 | Telephone No. 575-738-1739  |
| Facility Name: Caprock Maljamar #506    | Facility Type: Oil Producer |

|                      |                |                      |
|----------------------|----------------|----------------------|
| Surface Owner: State | Mineral Owner: | API No. 30-025-39127 |
|----------------------|----------------|----------------------|

**LOCATION OF RELEASE**

|                  |               |                 |              |                       |                           |                   |                        |               |
|------------------|---------------|-----------------|--------------|-----------------------|---------------------------|-------------------|------------------------|---------------|
| Unit Letter<br>O | Section<br>18 | Township<br>17S | Range<br>33E | Feet from the<br>1308 | North/South Line<br>South | Feet from<br>1980 | East/West Line<br>East | County<br>Lea |
|------------------|---------------|-----------------|--------------|-----------------------|---------------------------|-------------------|------------------------|---------------|

Latitude: 32.830883771819 Longitude: -103.700459051885

**NATURE OF RELEASE**

|  |   |  |
|--|---|--|
| Type of Release: Produced Water / Oil  | Volume of Release: 0.5 bbls /<br>1 gal    | Volume Recovered: 0 bbls /<br>0 gal              |
| Source of Release: Poly flowline   | Date and Hour of Occurrence<br>08/20/2014 | Date and Hour of Discovery<br>08/20/2014 2:00 PM |
| Was Immediate Notice Given?<br><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required | If YES, To Whom?<br>Jeff Robertson - BLM  |  |
| By Whom? Brian Wall  | Date and Hour: 08/21/2014 8:00 AM         |  |
| Was a Watercourse Reached?<br><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 appx 2:00 pm, received a phone call from M&S hot oiler. Upon arriving at the CMU #506 to hot water the well, the closed casing valve on wellhead was closed. Once opened, it pressured up and blew a hole in the poly flowline. The size of area affected was appx 10' x 30' right off location.

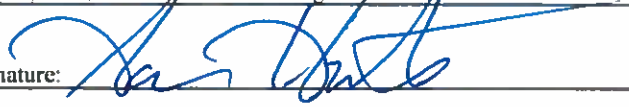

Describe Area Affected and Cleanup Action Taken.

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.

**APPROVED**

**By Olivia Yu at 9:39 am, Jun 01, 2017**

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: Aaron Hickert  | Approved by Environmental Specialist:  |                                   |
| Title: Sr EH&S Representative  | Approval Date: 6/1/2017   | Expiration Date: xx/xx/xxxx       |
| E-mail Address: ahickert@linenergy.com   | Conditions of Approval:   | Attached <input type="checkbox"/> |
| Date: 05/08/2017 Phone: 432-363-9496   |   |                                   |

\* Attach Additional Sheets If Necessary

1RP-3323