



Turner B #99

CLOSURE REPORT

API No. 30-015-26621

Release Date: 02/07/2012

Unit Letter L, Section 29, Township 17 South, Range 31 East

RP# 2RP-1054

BLM Event# NU12070TG

January 11, 2017

Prepared by:

Laura Flores
Diversified Field Service, Inc.
3412 N. Dal Paso
Hobbs, NM 88240
Phone: (575)964-8394
Fax: (575)393-8396

Mike Bratcher
Environmental Specialist
NM Oil Conservation District – Division 2
811 S. First St.
Artesia, NM 88210

RE: Linn Energy Turner B #99 – Closure Report
UL/L, Section 29, T17S, R31E
API No. 30-015-26621
NMOCD Case #: 2R-1054

Mr. Bratcher,

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

The site is located south west of Maljamar, NM, in Eddy County. The spill resulted from an over pressured line, releasing a total of 5 barrels of produced water and 0.5 barrels of oil, with 2 barrels of produced water and 10 gallons of oil recovered. The impacted area is on the side of the lease road adjacent to the pad. An initial C-141 was submitted to the NMOCD on October 14, 2011, and approved on March 1, 2012 (Appendix I).

Site Activities

On May 4, 2016, DFSI personnel were on site to obtain samples within the leak area. Eight samples were obtained and field sampled for chloride levels, as well as BTEX (Figure 1). The BTEX samples were performed using a Mini Rae Photoionization Detector (PID). Field samples were submitted for analysis at Cardinal Laboratories of Hobbs, NM to obtain confirmation, resulting in low concentrations below NMOCD and BLM regulatory guidelines.

On December 9, 2016, DFSI personnel were on site to excavate the release area around SP1 to a depth of 4' bgs. The excavation was backfilled with clean, imported soil to ground surface. The backfilled area was contoured to the surrounding area and the entire release area was seeded with an approved BLM-NMOCD mix (Appendix II).

Conclusion

DFSI has conducted a groundwater study of the area and has determined, according to the New Mexico Office of the State Engineer, there is no groundwater beneath this site. Therefore, no eminent danger of groundwater impact or threat to life is anticipated (Appendix III). Based on the report and work completed, DFSI, on behalf of Linn, submits the final C-141 (Appendix IV) and respectfully requests the closure of this regulatory file.

Please feel free to contact Mike Burton at 575-390-5454 or me with any questions concerning this closure request.

Sincerely,



Laura Flores

Report Writer | Diversified Field Service, Inc.

206 West Snyder | Hobbs, NM 88240

Office: (575)964-8394 | Fax: (575)964-8396 | Email: lflores@diversifiedfsi.com

cc Shelly Tucker

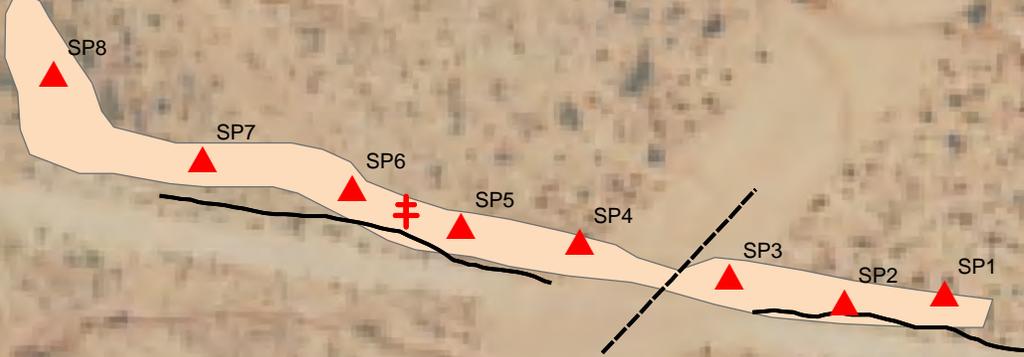
Figure 1 – Soil Delineation
Appendix I – Initial C-141
Appendix II – Site Photos
Appendix III – Groundwater Study
Appendix IV – Final C-141

Soil Delineation

SP1										SP2										SP3									
Depth	Cl-	PID	Lab Cl-	GRO	DRO	B	T	E	X	Depth	Cl-	PID	Lab Cl-	GRO	DRO	B	T	E	X	Depth	Cl-	PID	Lab Cl-	GRO	DRO	B	T	E	X
SS	118	0								SS	57	0								SS	83	0.2							
1'	1,400	1								1'	56	0.1								1'	111	1.5							
2'	363	0.1								2'	56	0								2'	55	0.8							
3'	648	0.1								3'	56	0								3'	54	0.5							
4'	1,535	0	1700	ND	ND	ND	ND	ND	ND	4'	57	0	ND	ND	ND	ND	ND	ND	ND	4'	56	0.8	ND	ND	ND	ND	ND	ND	ND
5'	549	0.2	560	ND	ND	ND	ND	ND	ND																				

SP4										SP5										SP6									
Depth	Cl-	PID	Lab Cl-	GRO	DRO	B	T	E	X	Depth	Cl-	PID	Lab Cl-	GRO	DRO	B	T	E	X	Depth	Cl-	PID	Lab Cl-	GRO	DRO	B	T	E	X
SS	60	0								SS	59	0								SS	60	0							
1'	55	0								1'	58	0.1								1'	85	0							
2'	85	0								2'	59	0.4								2'	91	0							
3'	83	0.1								3'	55	0								3'	55	0							
4'	59	0	ND	ND	ND	ND	ND	ND	ND	4'	113	0	58	ND	ND	ND	ND	ND	ND	4'	143	0	110	ND	ND	ND	ND	ND	ND

SP7										SP8									
Depth	Cl-	PID	Lab Cl-	GRO	DRO	B	T	E	X	Depth	Cl-	PID	Lab Cl-	GRO	DRO	B	T	E	X
SS	57	17								SS	57	0							
1'	81	0								1'	59	0							
2'	138	0								2'	60	0							
3'	421	0								3'	141	0							
4'	144	0	130	ND	ND	ND	ND	ND	ND	4'	84	0	32	ND	ND	ND	ND	ND	ND



Legend

- ▲ Sample Points
- Above Ground Line
- - - - Buried Line
- ⊕ Power Pole
- Oil and Produced Water (15,461 sq ft)



Linn
Turner B #99
Unit Letter L, Section 29, T17S, R31E
Eddy County, NM
API #: 30-015-26621
NMOCD Case #: 2R-1054

Mapped: 05/05/2016 CF
 Drafted by: L. Flores
 06/02/2016

0 25 50 100 150 200
 Feet

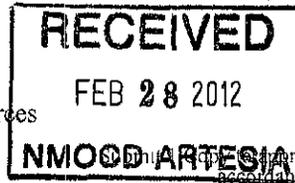
Appendix I

INITIAL C-141

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



Form C-141
Revised October 10, 2003
Appropriate District Office in
accordance with 19.15.29 NMAC

REVISED

Release Notification and Corrective Action

NMLB1206131638

OPERATOR

Initial Report Final Report

Name of Company: Linn Operating <i>269324</i>	Contact: Joè Hernandez
Address: 2130 W. Bender Hobbs, NM 88240	Telephone No.: 575-738-1739
Facility Name: Turner B #99	Facility Type: Oil Well

Surface Owner: Federal	Mineral Owner: Federal	API No.: 3001526621
------------------------	------------------------	---------------------

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
L	29	17S	31E	2590	South	100	West	Eddy

Latitude: 32.8054229524098 Longitude: -103.900125487933

NATURE OF RELEASE

Type of Release: Produced Water/ Oil Condensate	Volume of Release: 5 / .5	Volume Recovered: 2 / 10gal.
Source of Release: Polly Pipeline	Date and Hour of Occurrence: 02/07/2012 1:00pm	Date and Hour of Discovery: 02/07/2012 1:30pm
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? M. Bratcher-NM OCD Terry Gregston-BLM	
By Whom? Joe Hernandez	Date and Hour 02/07/2012 3:00pm	
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.*: 2" Flow line pressured up and clamp gave out

Describe Area Affected and Cleanup Action Taken.* : leaking out 151ft x 2ft wide on side of lease road and next to unit TB #99. A.C.D. Vac Truck. Further remedial action pending.

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

Signature: <i>[Signature]</i>	OIL CONSERVATION DIVISION	
Printed Name: Joe Hernandez	Approved by District Supervisor: <i>[Signature]</i>	
Title: Production Foreman	Approval Date: MAR 01 2012	Expiration Date:
E-mail Address: jhernandez@innenergy.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 2/28/2012 Phone: 575-942-9492	Remediation per OCD Rules & Guidelines. SUBMIT REMEDIATION PROPOSAL NOT LATER THAN:	

* Attach Additional Sheets If Necessary

SUBMIT REMEDIATION PROPOSAL NOT LATER THAN:

4/1/2012

2RP-1054

Appendix II

SITE PHOTOS

Turner B #099

Photo Page



Site prior, facing west

6/19/2014



Site prior, facing east

6/19/2014



Collecting sample by hand auger, facing east

5/4/2016



Collecting sample by hand auger, facing northwest

5/5/2016



Excavating site, facing west

12/11/2016



Backfilling excavation, facing northeast

12/11/2016



Backfill completed, facing east 12/13/2016



Seeding site, facing northwest 12/13/2016



Seeding site, facing northwest 12/13/2016



Disking site, facing east 12/13/2016

Appendix III

GROUNDWATER STUDY

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	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Depth Well	Depth Water	Water Column
RA 11590 POD1			ED	2	1	3	32	17S	31E	603315	3628545	158		
RA 11590 POD3			ED	3	1	2	32	17S	31E	603932	3629260	60		
RA 11590 POD4			ED	4	1	1	32	17S	31E	603308	3629253	55		

Average Depth to Water: --
Minimum Depth: --
Maximum Depth: --

Record Count: 3

PLSS Search:

Section(s): 19, 20, 21, 28, 29, 30, 31, 32, 33
Township: 17S
Range: 31E

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.

Appendix IV

FINAL C-141

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. 432-363-9496
Facility Name: Turner B #099	Facility Type: Oil Well

Surface Owner: Federal	Mineral Owner: Federal	API No. 30-015-26621
------------------------	------------------------	----------------------

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from	East/West Line	County
L	29	17S	31E	2590	South	100	West	Eddy

Latitude: 32.8054229524098 Longitude: -103.900125487933

NATURE OF RELEASE

Type of Release: Produced Water/Oil Condensate	Volume of Release: 5 bbls / 0.5 bbls	Volume Recovered: 2 bbls / 10 gals
Source of Release: Poly Pipeline	Date and Hour of Occurrence: 02/07/2012 1:00 PM	Date and Hour of Discovery: 02/07/2012 1:30 PM
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? M. Bratcher – NMOCD, Terry Gregston – BLM	
By Whom? Joe Hernandez	Date and Hour: 02/07/2012 3:00 PM	
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.*

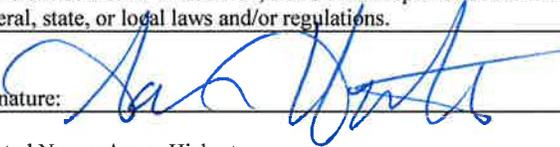
Describe Cause of Problem and Remedial Action Taken.*

2" flow line pressured up and clamp gave out. Leaking out 151' x 2' wide on side of lease road and next to unit TB #099.

Describe Area Affected and Cleanup Action Taken.

On May 4, 2016, DFSI personnel were on site to obtain samples within the leak area. Eight samples were obtained and field sampled for chloride levels, as well as BTEX. The BTEX samples were performed using a Mini Rae Photoionization Detector (PID). Field samples were submitted for analysis at Cardinal Laboratories of Hobbs, NM to obtain confirmation, resulting in low concentrations below NMOCD and BLM regulatory guidelines. On December 9, 2016, DFSI personnel were on site to excavate the release area around SP1 to a depth of 4' bgs. The excavation was backfilled with clean, imported soil to ground surface. The backfilled area was contoured to the surrounding area and the entire release area was seeded with an approved BLM-NMOCD mix.

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: 	<u>OIL CONSERVATION DIVISION</u>	
Printed Name: Aaron Hickert	Approved by Environmental Specialist:	
Title: Sr EH&S Representative	Approval Date:	Expiration Date:
E-mail Address: ahickert@linenergy.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 12/16/2016 Phone: 432-363-9496		

* Attach Additional Sheets If Necessary