



Turner B #082

CLOSURE REPORT

API No. 30-015-26385

Release Dates: Unknown

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

BLM Event No: 11NU092TG

NMOCD Case #: 2R-3779

February 2, 2017

Prepared by:

Laura Flores

Environmental Department

Diversified Field Service, Inc.

206 W. Snyder

Hobbs, NM 88240

Phone: (575)964-8394

Fax: (575)964-8396

Shelly Tucker
Environmental Protection Specialist
Bureau of Land Management
811 S. First St.
Artesia, NM 88210

RE: Linn Energy Turner B #082 – Closure Request

UL/J, Section 29, T17S, R31E
API No. 30-015-26385
BLM Event No: 11NU092TG
NMOCD Case #: 2R-3779
NMOCD Score: 0

Ms. Tucker,

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

The site is located southwest of Maljamar, NM, in Eddy County. On May 3, 2011, A BLM inspection of the site discovered a flowline leak in the road. A surface inspection form was submitted (Appendix I). On October 20, 2011, a second inspection of the site resulted in a secondary surface inspection form submitted (Appendix II). On July 14, 2016, an initial C-141 was submitted to NMOCD and approved on July 13, 2016 (Appendix III)

Site Assessment

On June 23, 2016, DFSI personnel were on site to obtain samples within both of the leak areas. Within the release area, five 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). All clean field samples under NMOCD and BLM regulatory guidelines were submitted for laboratory analysis at Cardinal Laboratories of Hobbs, NM to obtain confirmation, resulting in concentrations that decreased with depth.

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 the site (Appendix IV). Therefore, no eminent danger of groundwater impact or threat to life is anticipated.

On June 30, 2016, a Work Plan was submitted to NMOCD and BLM and approved by both agencies on July 13, 2016. Based on the approved Work Plan, the area around SP5, located within the lease road, was excavated to a depth of 4' bgs. The excavation was backfilled with clean, imported soil and capped with caliche to ground surface and contoured to the surrounding area. The remainder of the release, located within the pasture area, was tilled and seeded with a blend of BLM – NMOCD approved vegetation (Appendix V).

Based on the report and work completed, any remaining chloride, TPH and BTEX constituents in the vadose zone will not affect groundwater beneath this site, with vegetation expected to return to normal; therefore, DFSI, on behalf of Linn, submits the final C-141 (Appendix VI) 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 remediation plan request.

Sincerely,

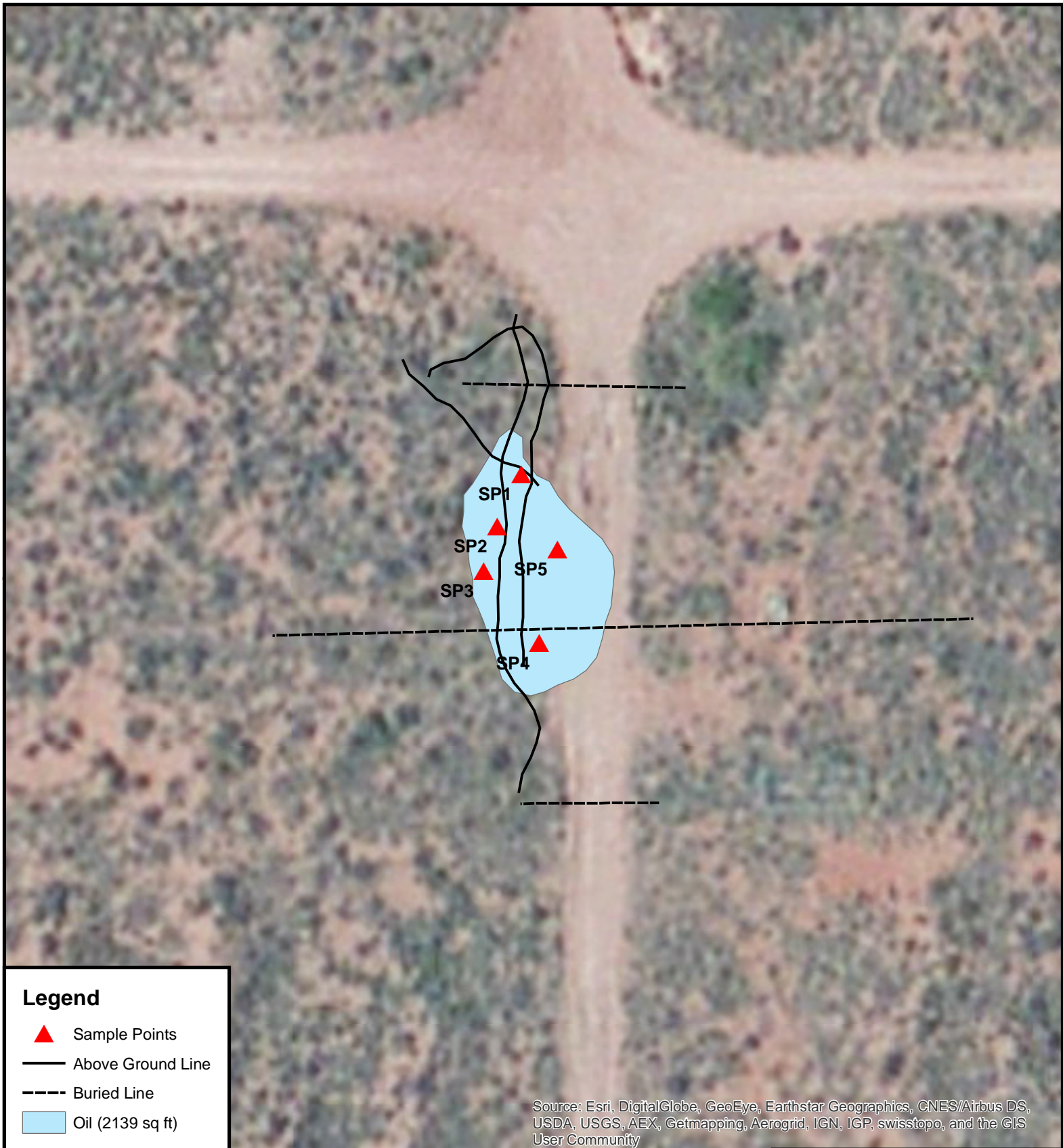


Laura Flores
Diversified Field Services, Inc.
206 West Snyder | Hobbs, NM 88240
Office: (575)964-8394 | Fax: (575)964-8396 | Email: lflores@diversifiedfsi.com

Figures: Site Diagram

Appendices: BLM Surface Inspection Form – May 3, 2011
 BLM Surface Inspection Form – October 20, 2011
 Initial C-141
 Groundwater Study
 Site Photos
 Final C-141

Soil Delineation



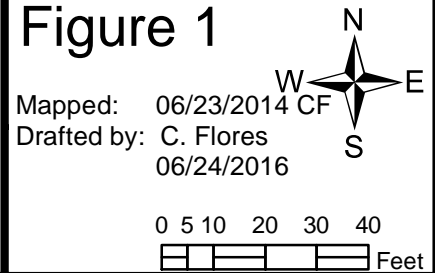
Legend

- ▲ Sample Points
- Above Ground Line
- - - Buried Line
- Oil (2139 sq ft)



Linn
Turner B #082
Unit Letter J, Sec. 29, T17S, R31E
Eddy County, NM
API #: 30-015-26385
BLM Event No: 11NU092TG

Figure 1



Appendix I

BLM SURFACE INSPECTION FORM – MAY 3, 2011

Updated 2/25/99

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SURFACE INSPECTION FORM

Well Name: TURNER B		Well #: 82		API #: 300152638500S1		Well Status: POW									
Footage: 2550FSL 1335FEL		Aliquot: NWSE		Lot/Tract:		Section: 29		Township/Lat: 17S		Rng/Long: 31E		County: EDDY		State: NM	
Case: NMLC029395B		Facility ID:				Associated Rights of Way:									
Lease: NMLC029395B		H2S Date:				H2S Gas Stream:		H2S Vapors:		H2S Radius:					
Hazard: Yes: HIGH H2S, 13945 PPM															
SME: BUREAU OF LAND MANAGEMENT				Operator Name: LINN OPERATING INC.											
Please be sure to complete for inspection															
Inspector:				Company/SME Rep:								Phone #:			
Date:		Type:		Activity:		Office:		Travel:		Insp:					

General Remarks:

05/03/11--discovered a flowline leak in the road associated with this well site. Leak was aged somewhat, break in flowline had been excavated somewhat, and there was evidence of older spills under the more recent event. Multiple clamps were visible on a buried polyflowline. Would recommend that the flowline be replaced in addition to cleanup of the spill site. Notified operator of release site and need for appropriate cleanup. TG.

Author: TERRY GREGSTON

Date: 05/11/2011

Follow-up Requirements: (circle any that apply) NONE VERBAL LETTER INC NOTIFY PET

Follow-up Remarks:

CORRECT PROBLEM BY:

NEXT INSPECTION:

Appendix II

BLM SURFACE INSPECTION FORM – OCTOBER 20, 2011

Updated 2/25/99

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SURFACE INSPECTION FORM

Well Name: TURNER B			Well #: 82		API #: 300152638500S1		Well Status: POW	
Footage: 2550FSL 1335FEL		Alliquot: NWSE	Lot/Tract:	Section: 29	Township/Lat: 17S	Rng/Long: 31E	County: EDDY	State: NM
Case: NMLC029395B		Facility ID:			Associated Rights of Way:			
Lease: NMLC029395B		H2S Date:		H2S Gas Stream:		H2S Vapors:		H2S Radius:
Hazard: Yes: HIGH H2S, 13945 PPM								
SME: BUREAU OF LAND MANAGEMENT			Operator Name: LINN OPERATING INCORPORATED					
Please be sure to complete for inspection								
Inspector:			Company/SME Rep:				Phone #:	
Date:		Type:	Activity:		Office:	Travel:		Insp:

General Remarks:

10/20/11--onsite site check for progress. Found new caliche down on road and on top of spill area. Kicked around and found oil saturated soils under caliche. Called Joe Hernandez, Linn, and informed him of the situation. Will meet with Joe Monday, 10/24/11 to discuss this site and others. TG.
Author: TERRY GREGSTON Date: 10/21/2011

Follow-up Requirements: (circle any that apply) NONE VERBAL LETTER INC NOTIFY PET

Follow-up Remarks:

CORRECT PROBLEM BY: NEXT INSPECTION:

Appendix III

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
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

NM OIL CONSERVATION

ARTESIA DISTRICT Form C-141
Revised August 8, 2011

Submittal Date: 7/14/16
Appropriate District Office in
accordance with 19.15.29 NMAC.

RECEIVED

Release Notification and Corrective Action

Operator ☒ Initial Report ☐ Final Report

Name of Company: Linn Energy **Contact:** EL Gonzales
Address: 2130 W Bender, Hobbs, NM 88240 **Telephone No.:** 575-738-1739
Facility Name: Turner B #082 **Facility Type:** Oil Producer

Surface Owner: Federal **Mineral Owner:** Federal **API No.:** 30-015-26385

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from	East/West Line	County
J	29	17S	31E	2550	South	1335	East	Eddy

Latitude: 32.80523284 Longitude: -103.8876114

NATURE OF RELEASE

Type of Release: Oil	Volume of Release: Unknown	Volume Recovered: 0
Source of Release: Flow line	Date and Hour of Occurrence: Unknown	Date and Hour of Discovery: 05/03/2011
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:	

If a Watercourse was Impacted, Describe Fully.*

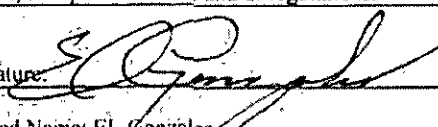
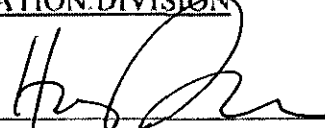
Describe Cause of Problem and Remedial Action Taken.*

On May 3, 2011, A BLM inspection of the site discovered a flowline leak in the road. A surface inspection form was submitted. On October 20, 2011, a second inspection of the site resulted in a secondary surface inspection form submitted.

Describe Area Affected and Cleanup Action Taken.

On June 23, 2016, DFSI personnel were on site to obtain samples within both of the leak areas. Within the release area, five 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). All clean field samples under NMOC and BLM regulatory guidelines were submitted for laboratory analysis at Cardinal Laboratories of Hobbs, NM to obtain confirmation; resulting in concentrations that decreased with depth.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOC 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 NMOC 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, NMOC 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: EL Gonzales	Approved by Environmental Specialist: 	
Title: Production Supervisor	Approval Date: 7/14/16	Expiration Date: N/A
E-mail Address: elgonzales@linnenergy.com	Conditions of Approval: work plan approval	Attached <input type="checkbox"/>
Date: 7/12/2016 Phone: 575-504-8002	on 7/13/16	

* Attach Additional Sheets If Necessary

2RP-3779

Appendix IV

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	County	Q Q Q							X	Y	Depth Well	Depth Water	Water Column
	Sub-Code basin		64	16	4	Sec	Tws	Rng						
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

Appendix V

SITE PHOTOS

Turner B #082

Unit Letter J, Section 29, T21S, R31E | BLM Event No: 11NU092TG | 2R-3779



Collecting sample



Collecting sample



Collecting sample



Exporting soil



Seeding site



Tilling site

Appendix VI

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
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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 #082	Facility Type: Oil Producer

Surface Owner: Federal	Mineral Owner: Federal	API No. 30-015-26385
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LOCATION OF RELEASE

Unit Letter J	Section 29	Township 17S	Range 31E	Feet from the 2550	North/South Line South	Feet from 1335	East/West Line East	County Eddy
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Latitude: 32.80523284 Longitude: -103.8876114

NATURE OF RELEASE

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Source of Release: Flow line	Date and Hour of Occurrence Unknown	Date and Hour of Discovery 05/03/2011
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By Whom?	Date and Hour:	
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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: 02/01/2017 Phone: 432-363-9496			

* Attach Additional Sheets If Necessary