



Russell Turner Water Station

CLOSURE REPORT

Release Date: June 6, 2014

Unit Letter L, Section 20, Township 17 South, Range 31 East

RP# 2RP-2338

March 3, 2015

Prepared by:

Environmental Department
Diversified Field Service, Inc.
206 W. Snyder
Hobbs, NM 88240
Phone: (575)964-8394
Fax: (575)393-8396

Russell Turner Water Station

1 INTRODUCTION

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

The site is located east of Loco Hills, NM, in Eddy County. The site leak resulted from the plunger on the triplex pump breaking off, causing water to shoot out. The swamp pump inside the water station sucked all water and pumped into the fiberglass swamp tank, causing it to overflow and spill over. The release of fluids covered an approximate area of 2,961 sq. ft., all inside the dike. An initial form C-141 was submitted to the NMOCD on June 12, 2014 (Appendix I).

2 SITE ACTIVITIES

On June 9, 2014, DFSI personnel visited the site to map the affected area. It was determined that sampling would not be needed because the spill happened in a lined facility.

On September 26, 2014, DFSI personnel visited the site to begin excavation. DFSI personnel returned on September 29, and on October 7 to hand-dig out the area to 1' below ground surface (bgs).

Visually impacted soils were excavated throughout the entire leak area and removed to a NMOCD approved disposal facility.

On October 10, pea gravel was brought in to backfill the excavated area. Photographs of site activities can be viewed in Appendix II.

3 CONCLUSION

According to the U.S. Geological Survey and the NM Office of the State Engineer, depth to groundwater in the area averages greater than 236 ft. bgs.

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

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	Contact: Brian Wall
Address: 2130 W. Bender Hobbs, NM 88240	Telephone No.: 575-738-1739
Facility Name: Russell Turner Water Station (Turner B 12)	Facility Type: Water Station

Surface Owner: Federal	Mineral Owner:	API No.: (closest well) 3001505284
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LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
L	20	17S	31E	2080	SOUTH	660	WEST	EDDY

Latitude: 32.8185128125348 Longitude: -103.898345631192

NATURE OF RELEASE

Type of Release: Produced Water	Volume of Release: 70 bbls	Volume Recovered: 60 bbls
Source of Release: Plunger on triplex PUMP	Date and Hour of Occurrence: 06/04/2014	Date and Hour of Discovery: 06/04/2014 0700
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Jennifer Van Curen-BLM Mike Bratcher-NM OCD	
By Whom? Theresa McCracken	Date and Hour 06/09/14 0810	
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.*: Pulled up to water station doing my daily routine, triplex pump had water shooting up inside waterstation. Plunger on triplex Pump broke completely off, causing water to shoot out, swamp pump inside water station sucked all water and pumped into fiberglass swamp tank, causing it to overflow and spill over.

Describe Area Affected and Cleanup Action Taken.* : Area affected was 66ft ong X 51 ft Wide, all inside the dike. Water truck was used on leak site and picked 60barrels/BSG roustabout gang helped pick up 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: 	OIL CONSERVATION DIVISION	
Printed Name: Brian Wall	Approved by District Supervisor:	
Title: Construction Foreman II	Approval Date:	Expiration Date:
E-mail Address: bwall@linenergy.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 06/09/14 Phone: 806-367-0645		

* Attach Additional Sheets If Necessary

Appendix II

SITE PHOTOS

**Linn Energy Russell Turner Water Station (Turner B 12)
Unit Letter L, Section 20, T17S R31E**



Sign marking location 06/09/14



Source of leak 06/09/14



Impacted area inside berm 06/09/14



Site after fluid recovery 06/09/14

Linn Energy Russell Turner Water Station (Turner B 12) Unit Letter L, Section 20, T17S R31E



Digging out contaminated soil, hauling 09/29/14



Hand-digging contaminated area 09/29/14



Area fully excavated before backfill 10/07/14



Area fully excavated before backfill 10/07/14

**Linn Energy Russell Turner Water Station (Turner B 12)
Unit Letter L, Section 20, T17S R31E**



Site with backfill completed 10/10/14



Site with backfill completed 10/10/14

Appendix III

SITE MAP

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

Site Diagram

Linn, Russell Turner Water Station
UL/L, Sec. 20 T17S R31E
Eddy County, NM
Drafted By: Lance Crenshaw, 6-9-14

0 0.003 0.006 0.012 Miles

Legend

Misc_points

Types

- Electrical Box
- Power Pole
- Headers
- Injection
- Pumpjacks
- Tanks
- Valves
- Other
- Soil Bores
- sample_pts
- Source

Pipeline

Type

- Above Ground Line
- Buried Line

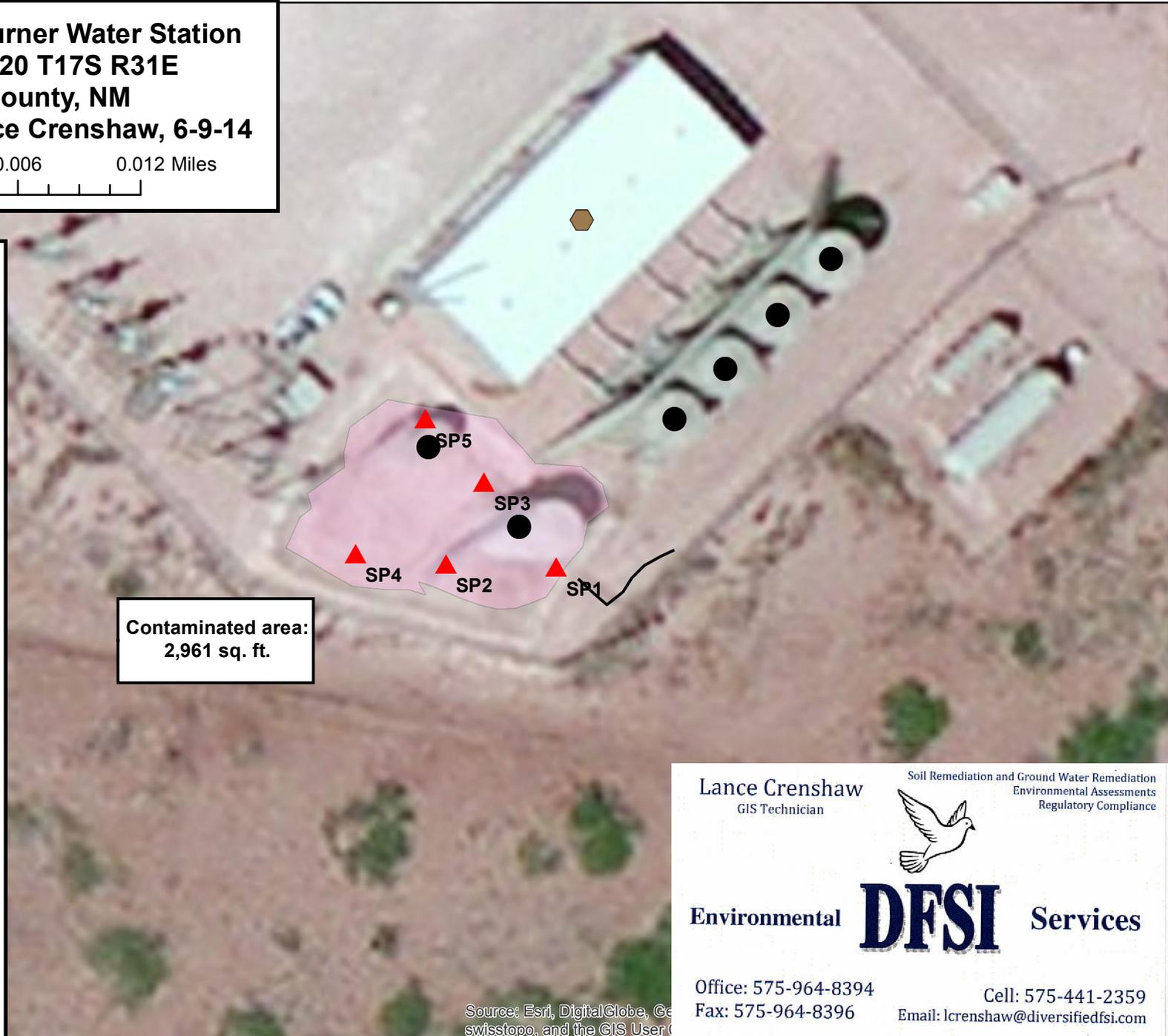
Spill

- <all other values>

Spill_Media

- Oil and Produced H2O
- Oil
- Other
- Produced Water

Contaminated area:
2,961 sq. ft.



Lance Crenshaw
 GIS Technician

Soil Remediation and Ground Water Remediation
 Environmental Assessments
 Regulatory Compliance



Environmental **DFSI** Services

Office: 575-964-8394
 Fax: 575-964-8396

Cell: 575-441-2359
 Email: lcrenshaw@diversifiedfsi.com

Source: Esri, DigitalGlobe, GeoEye, IGN, swisstopo, and the GIS User Community