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August 4, 2017

Olivia Yu
Environmental Specialist
New Mexico Oil Conservation Division, District 1
1625 N. French Drive
Hobbs, New Mexico 88240

APPROVED

By Olivia Yu at 10:33 am, Aug 29, 2017

NMOCD approves of the proposed delineation for 1RP-4714.

Re: Work Plan for Site Characterization
Enfield No. 1 Facility Storage Tank Release
Bagley North Oil Field, Lea County, New Mexico
NE1/4 NE1/4, Sec. 16, T11S, R33E

Dear Ms. Yu:

On behalf of Jay Management, LLC (Jay Management), Timberwolf Environmental, LLC (Timberwolf) prepared this work plan for site characterization at the Enfield No. 1 Facility (Site) to assess impacts related to a recent storage tank overflow release. The Site is located in the Bagley North Oil Field approximately 6.07 miles southeast of Caprock, Lea County, New Mexico (Figures 1 through 3). The release response actions and site characterization work plan are discussed below.

Environmental Setting

The Site consists of a wellhead, one above-ground oil storage tank, one above-ground produced water tank, and one heater treater.

The surrounding area is characterized as flat to slightly sloping rural land used for cattle grazing and oil and gas production. According to the United States Department of Agriculture – Natural Resources Conservation Service web soil survey of Lea County, New Mexico, soils at the Site are mapped as the Kimbrough – Lea complex, 0 to 3 percent slopes (KU). This soil type consists of gravelly loam in the upper 3 inches, loam from 3 to 10 inches, and underlain by cemented material to a depth of 80 inches.

Release Response Actions

On 06/02/17, a storage tank overflowed due to the absence of fuse in the electrical box. An estimated 27 barrels (bbl) of oil and produced water was released within secondary containment at the Site. Jay Management replaced the fuse along with recovering approximately 22 bbls of free fluids. Written notification of the release was made to the New Mexico Oil Conservation Division (NMOCD) on 06/05/17; a copy of Form C-141 is attached.

Site Characterization Work Plan

The following scope of work will be conducted within 60 days from the date of this work plan to assess and characterize impacts at the Site:

Task 1: Site Characterization

The goals of the site characterization activities are as follows:

- Delineate the horizontal and vertical extents of hydrocarbon and salinity impacts in soil.
- Assess soil characteristics to evaluate potential remedial options.
- Verify that neither groundwater nor surface water have been affected by the release.

Soil samples will be collected from within and around the release area to obtain horizontal and vertical delineation. Due to the surface soil characteristics, soil samples will be obtained from test pits installed with an excavator or backhoe. Samples will continuously be field screened for volatile organic compounds (VOCs) with a photoionization detector (PID) and salinity with an electrical conductivity meter to assist with sampling selection for delineation. All samples will be analyzed for total petroleum hydrocarbons (TPH), benzene, toluene, ethylbenzene and xylenes (BTEX), and chloride.

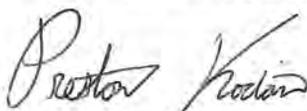
The soil samples will be placed in laboratory-provided sample containers, stored on ice, and transported under proper chain-of-custody protocol to the TestAmerica Laboratories in Denver, Colorado.

Task 2: Site Characterization Report and Remedial Action Plan

Upon completion of Task 1, a Site Characterization Report and Remedial Action Plan will be submitted to the NMOCD. The report will document investigation methodology and results with associated figures, tables, and laboratory data. Based on site characterization results, the document will include the selected remedial approach to address soil impacts.

If you have any questions regarding this work plan, please call us at 979-324-2139.

Sincerely,
Timberwolf Environmental, LLC



Preston Kocian
Project Manager

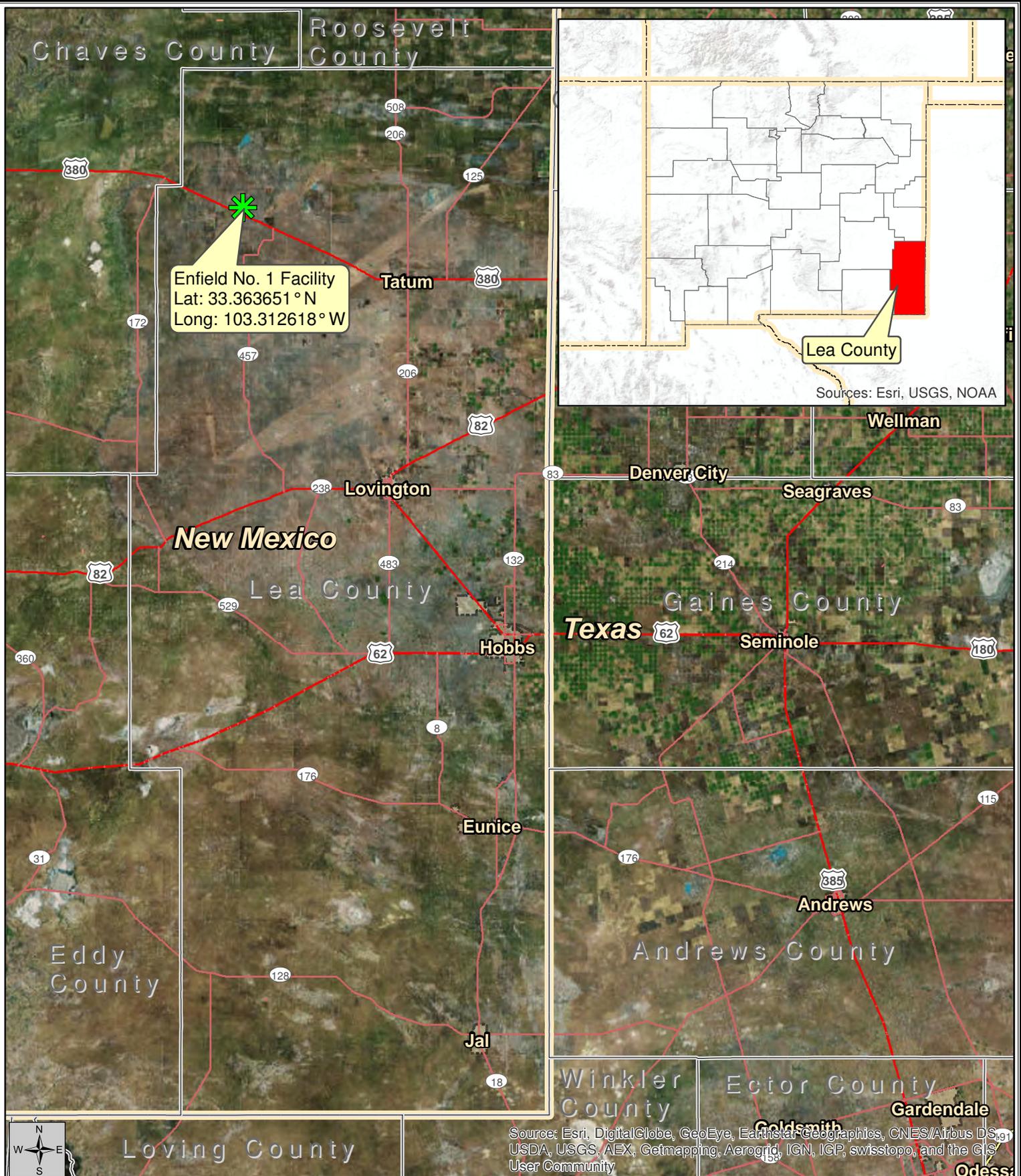


Ryan S. Mersmann, P.G., CPSS
Vice President of Operations

Attachments: Figures
Form C-141

Cc: Amir Sanker, Jay Management
Jim Foster, Timberwolf Environmental, LLC

FIGURES



Enfield No. 1 Facility
 Lat: 33.363651° N
 Long: 103.312618° W

Lea County

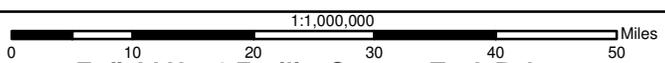
Sources: Esri, USGS, NOAA

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

Figure 1
 Site Location Map

Work Plan for Site Characterization

August 4, 2017



Enfield No. 1 Facility Storage Tank Release
 Jay Management, LLC
 Lea County, New Mexico

Created By:
 Russell Greer
 TE Project No.: ISR-170054

Datum: NAD83
 Imagery Source: ESRI
 Vector Source: TE & ESRI

Site

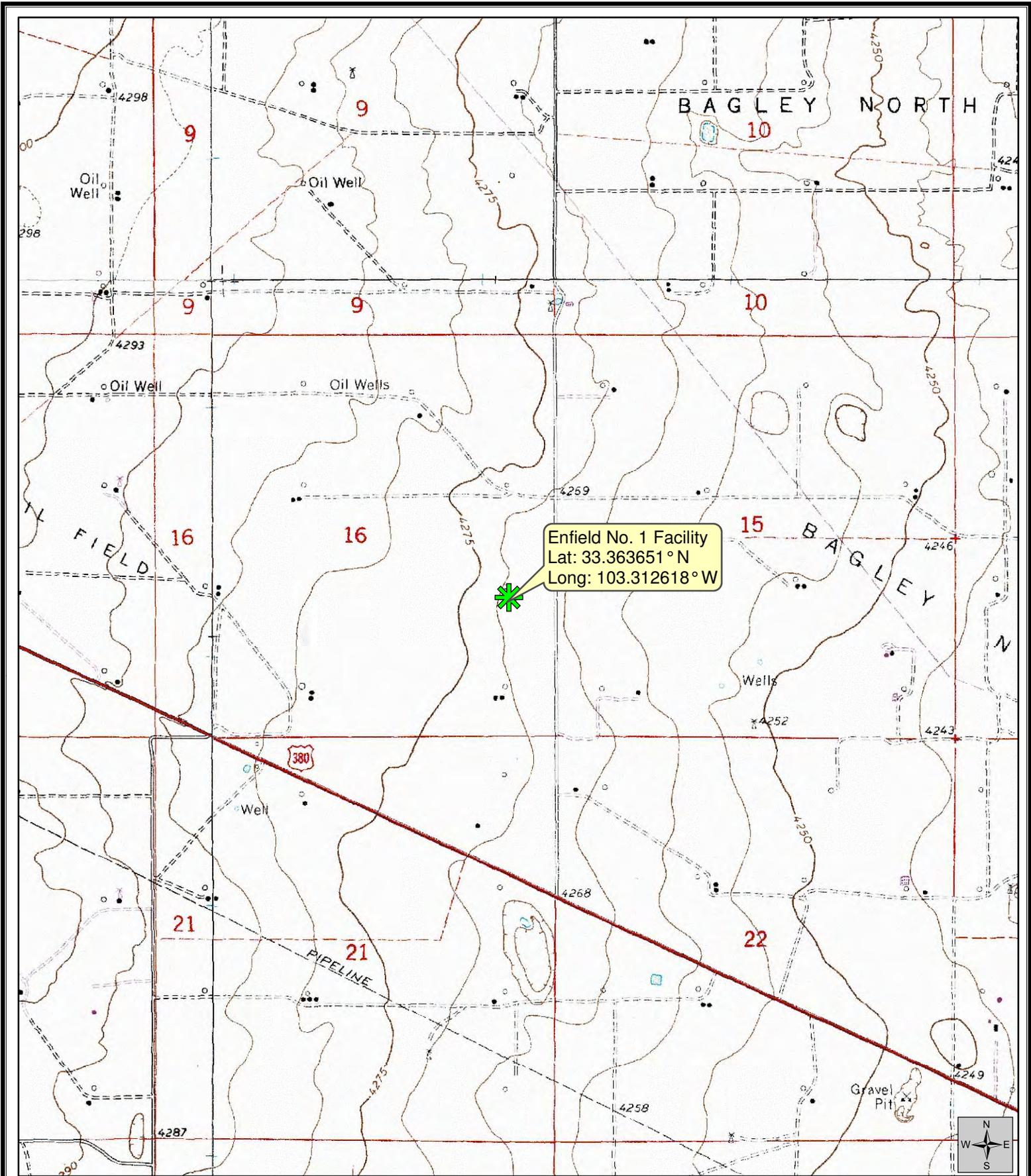


Figure 2
Topographic Map

Work Plan for Site Characterization

August 4, 2017



Created By:
Russell Greer
TE Project No.: ISR-170054

1:24,000 Feet
0 1,000 2,000 3,000 4,000 5,000
Enfield No. 1 Facility Storage Tank Release
Jay Management, LLC
Lea County, New Mexico

Datum: NAD83
Imagery Source: USGS
Quads: Soldier Hill &
Dallas Store
Vector Source: TE

 Site



Enfield No. 1 Well

Enfield No. 1 Facility Storage Tank Release

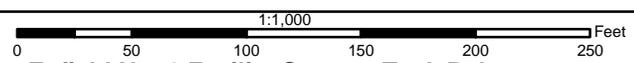


Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

Figure 3
2016 Aerial Map

Work Plan for Site Characterization

August 4, 2017



Enfield No. 1 Facility Storage Tank Release
Jay Management, LLC
Lea County, New Mexico

Created By:
Russell Greer
TE Project No.: ISR-170054

Datum: NAD83
Imagery Source: ESRI
Vector Source: TE

 Point of Release

Form C-141

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

Form C-141
Revised April 3, 2017

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

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: Jay Management Company	Contact: Jim Foster
Address: 2425 W Loop South, Ste. 810, Houston, Texas 77027	Telephone No.: 979-324-2139
Facility Name: Enfield No. 1	Facility Type: Well with Tank Battery
Surface Owner: Fee land	Mineral Owner: State of New Mexico
API No.: 30-025-21932	

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
I	16	11S	33E	1,980	South	660	East	Lea

Latitude 33.363651° N Longitude 103.612618° W NAD83

NATURE OF RELEASE

Type of Release: Oil and Produced Water	Volume of Release: 27 bbls	Volume Recovered: 22 bbls
Source of Release: Tank overfilling due to fuse pulled from electrical box.	Date and Hour of Occurrence: 06/02/2017	Date and Hour of Discovery: 06/02/2017 1455
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Olivia Yu	
By Whom? Amir Sanker	Date and Hour: 06/02/2017 1526	
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.*
No watercourse was impacted.

Describe Cause of Problem and Remedial Action Taken.*

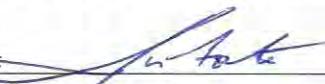
The release was caused by someone removing a pump fuse; the fuse was found on the ground beside the electrical box. The fuse was replaced. All equipment is in good repair.

Describe Area Affected and Cleanup Action Taken.*

Release occurred within the secondary containment area of the tank battery. None of the released fluids left the site. Approximately 22 bbls of fluid was recovered with a vacuum truck for off-site disposal.

Site conditions are documented in the attached photographs (e.g., Photographs 1 – 4).

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: Jim Foster		Approved by Environmental Specialist:	
Title: Environmental Consultant	Approval Date:	Expiration Date:	
E-mail Address: jim@teamtiberwolf.com	Conditions of Approval:		Attached <input type="checkbox"/>
Date: 06/05/17	Phone: 979-324-2139		

* Attach Additional Sheets If Necessary

Photographic Documentation
Enfield No. 1 Release
Jay Management Company, Lea County, New Mexico



Photograph 1 - A view looking at the released fluids within tank battery secondary containment.



Photograph 2 - A second view looking at the released fluids within tank battery secondary containment.

Photographic Documentation
Enfield No. 1 Release
Jay Management Company, Lea County, New Mexico



Photograph 3 - A third view looking at the released fluids within tank battery secondary containment.



Photograph 4 - A fourth view looking at the released fluids within tank battery secondary containment.