

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

Form C-141
Revised August 24, 2018
Submit to appropriate OCD District office

Incident ID	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party Hilcorp Energy	OGRID 372171
Contact Name Clara Cardoza	Contact Telephone 505-564-0733
Contact email ccardoza@hilcorp.com	Incident # (assigned by OCD) nCS1901627746
Contact mailing address 382 CR 3100 Aztec NM 87410	

Location of Release Source

Latitude 36.5982819 Longitude -107.5212479
(NAD 83 in decimal degrees to 5 decimal places)

Site Name San Juan 28-7 Unit 183M	Site Type Well Site
Date Release Discovered 01/15/2019	API# (if applicable) 30-039-25660

Unit Letter	Section	Township	Range	County
O	01	27N	07W	Rio Arriba

Surface Owner: ☐ State ☒ Federal ☐ Tribal ☐ Private (Name: _____)

Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

<input checked="" type="checkbox"/> Crude Oil	Volume Released (bbls) 150	Volume Recovered (bbls) 0
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 7	Volume Recovered (bbls) 0
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release

Leak in bottom of tank due to corrosion. Visible signs of the leak on surface are estimated to be 10 feet wide and 25 -30 feet across. Had visited location 1-11-19 and saw no signs of the leak. When operator returned on the 15th noticed

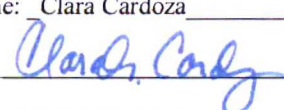
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Was this a major release as defined by 19.15.29.7(A) NMAC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release? Per 19.15.29.7 A - "Major release" means an unauthorized release of a volume, excluding gases, of 25 barrels or more
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? Cory Smith given by Clara Cardoza @ 7:15 a.m. on 1/16/2018 via phone and follow-up email (copied Vanessa Fields and Jim Griswold) Left voicemail for Whitney Thomas with BLMFFO @ 7:20 a.m. (government shutdown) and follow-up email (copied Emmanuel Adeloye)	

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why: 	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD 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 OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD 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.	
Printed Name: Clara Cardoza _____	Title: Environmental Specialist _____
Signature:  _____	Date: 1/28/2019 _____
email: ccardoza@hilcorp.com _____	Telephone: 505-564-0733 _____
<u>OCD Only</u> Received by: _____ Date: _____	

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Site Assessment/Characterization

This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release?	<u>>100 ft</u> (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

Characterization Report Checklist: *Each of the following items must be included in the report.*

- ☐ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- ☐ Field data
- ☐ Data table of soil contaminant concentration data
- ☐ Depth to water determination
- ☐ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- ☐ Boring or excavation logs
- ☐ Photographs including date and GIS information
- ☐ Topographic/Aerial maps
- ☐ Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

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Printed Name: Clara Cardoza Title: Environmental Specialist

Signature:  Date: 3/5/2019

email: ccardoza@hilcorp.com Telephone: 505.564.0733

OCD Only

Received by: 

Date: 3/8/19

Delimitation must be in compliance to R. 15.28.11 NMAC.



**TIMBERWOLF
ENVIRONMENTAL**

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Bryan, Texas 77807
979.324.2139
www.teamtimberwolf.com

March 5, 2019

Ms. Clara Cardoza
Environmental Specialist
Hilcorp Energy Company
1111 Travis Street
Houston, Texas 77002

Re: Site Characterization Plan
San Juan 28-7 #183M
Hilcorp Energy Company
Rio Arriba County, New Mexico

Dear Mr. Cardoza:

At the request of Hilcorp Energy Company (Hilcorp), Timberwolf Environmental, LLC (Timberwolf) presents this proposed site characterization plan for site assessment activities at the San Juan 28-7 #183M (Site). The Site is located approximately 26.8 miles east-southeast of Bloomfield, in Rio Arriba County, New Mexico.

The proposed activities are intended to 1) assess the magnitude and extent of soil impacts and 2) collect sufficient data to establish a remedial action plan to progress the site toward regulatory closure.

Environmental Setting

The Site is situated on federal land managed by the Bureau of Land Management (BLM). The area consists of sparse vegetative cover comprised primarily of scrub brush. Average elevation at the Site is approximately 6,523 feet (ft) above mean sea level. The closest surface water is a first order tributary of a significant waterway situated 1,500 ft southeast of the site. Groundwater at the site is expected to be greater than 100 ft below ground surface (bgs).

According to the U.S. Department of Agriculture – Natural Resources Conservation Service (USDA-NRCS), the Site soil consists of the Vessilla-Menefee-Orlie complex, 2 to 30 percent slopes. The surface layer is comprised of a sandy loam, underlain by bedrock encountered between 15 to 19 inches bgs. Native salinity of the soil is nonsaline to very slightly saline (0.0 to 2.0 millimhos per centimeter (mmhos/cm)).

Overview

Surface equipment includes: a wellhead, oil tank and produced water tank, separator, and gas meter.

Corrosion near the bottom of the oil tank resulted in the release of approximately 150 barrels (bbls) of oil and 7 bbls of produced water. Constituents of concern include: benzene, toluene, ethyl-benzene, and xylene (BTEX); total petroleum hydrocarbons (TPH); and chlorides.

Scope of Work

The proposed scope of work includes:

Task 1: Soil Investigation

Timberwolf has contracted with GeoMat, Inc. of Farmington, New Mexico to install soil borings at the Site. Soil borings will be installed at and surrounding the tank battery to assess the magnitude and extent of any petroleum hydrocarbon and/or chloride impacted soil. Approximately, five to six soil borings will be advanced to achieve horizontal delineation. Each boring will be installed with a rotary rig equipped with a hollow-stem auger. Soil borings will be advanced until vertical delineation is achieved or until auger refusal. Each boring will be plugged with a bentonite seal to prevent vertical migration of contaminants.

Borings will be continuously logged for lithologic characteristics and field screened for volatile organic compounds (VOCs) using a photoionization detector (PID). Soil samples will be collected from 1) the depth exhibiting the highest PID reading and 2) total depth of each boring.

All samples will be labeled, stored on ice, and transported to an environmental laboratory for the following chemical analyses:

- BTEX by USEPA Method 8260B
- TPH-GRO and TPH-DRO (extended range) by EPA Method 8015
- Chlorides by ion chromatography (Method 300)

Task 2: Assessment Report and Remedial Action Plan


Timberwolf will prepare an assessment report and remedial action plan documenting the soil investigation, analytical results, and recommended actions to bring the Site into regulatory compliance.

Schedule

Task 1 is scheduled for 03/12/19. The assessment report and remedial action plan can be prepared by 04/1/19.

Timberwolf appreciates the opportunity to provide Hilcorp with our professional consulting services. If you have any questions regarding this proposal, please contact us at (979) 324-2139.

Sincerely,
Timberwolf Environmental, LLC



Jim Foster
President