

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

JAN 06 2017

Form C-141
Revised August 8, 2011

Submit 1 Copy to appropriate District Office in
accordance with 19.15.29 NMAC.

RECEIVED

Release Notification and Corrective Action

PAB 1702028290
NAB 17023410109

OPERATOR ☒ Initial Report ☐ Final Report

Name of Company Rover Operating LLC	Contact Kirk Faries (Production Foreman)
Address 17304 Preston Road Ste. 740 Dallas, TX 75252	Telephone No. 575-513-3198
Facility Name Hastie Federal Battery	Facility Type oil & water production

Surface Owner BLM	Mineral Owner Rover Operating	API No. Facility
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LOCATION OF RELEASE

Unit Letter N/A	Section 18	Township 17S	Range 28E	Feet from the N/A	North/South Line N/A	Feet from the N/A	East/West Line N/A	County EDDY
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Latitude N/A Longitude N/A

32.8302

NATURE OF RELEASE 104.2221

Type of Release Salt Water	Volume of Release 5-10 BBLs	Volume Recovered 2 BBLs
Source of Release Flowline Leak (small bullet hole)	Date and Hour of Occurrence 1/1/2017 Hour ?	Date and Hour of Discovery 1/1/2017 APPROX. 9 AM
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? Mike Feezel w/Rover Operating Shelly Tucker w/BLM Mike Bratcher w/NMOCD (left message at office)	
By Whom? Kirk Faries (Production Foreman)	Date and Hour 1/1/2017 Approx. 11:30 AM	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*

Flowline was punctured by bullet, there were dead rabbits and shell casings directly west of leak beside road (have photos). Pumper Oscar Molina clamped leak immediately then called supervisor Kirk Faries. It was mostly spray but Kenamore welding sucked up approx.. 2 bbls with vac truck, then 6 sacks of BIOSORB was spread over the area. Kirk Faries then took Rovers company backhoe out immediately after and scraped up contaminated soil & placed on plastic liner. Proper people were notified.

Describe Area Affected and Cleanup Action Taken.*

An area approx.. 36' x 60' was sprayed over from transfer line Approx 1 mile south of Hastie Fed. Battery running toward Berry Fed. Battery for Rover. Vac truck sucked up approx.. 2 bbls of fluid, then 6 sacks of Biosorb was spread over leak. Used backhoe to remove all contaminated soil to plastic liner same day.

Samples were collected and taken to Cardinal Labs in Hobbs to be tested for Chlorides, B-tex & TPH. Will send analytical data from lab results to BLM & NMOCD and if necessary will take contaminated soil to solid waste disposal, backfill with approved soil and reseed area with approved seeding material.

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.

Kirk Faries Signature:	OIL CONSERVATION DIVISION	
Printed Name: Kirk Faries	Signed By <u>Mike Bratcher</u> Approved by Environmental Specialist:	
Title: Production Foreman	Approval Date: <u>1/18/17</u>	Expiration Date: <u>N/A</u>
E-mail Address: kfaries@roverpetro.com	Conditions of Approval:	
Date: 1/5/2017 3198	Phone: 575-513-3198	Attached ☐

See attached

* Attach Additional Sheets If Necessary

200-408

Operator/Responsible Party,

The OCD has received the form C-141 you provided on 1/6/17 regarding an unauthorized release. The information contained on that form has been entered into our incident database and remediation case number 2RP-4084 has been assigned. Please refer to this case number in all future correspondence.

It is the Division's obligation under both the Oil & Gas Act and Water Quality Act to provide for the protection of public health and the environment. Our regulations (19.15.29.11 NMAC) state the following,

The responsible person shall complete division-approved corrective action for releases that endanger public health or the environment. The responsible person shall address releases in accordance with a remediation plan submitted to and approved by the division or with an abatement plan submitted in accordance with 19.15.30 NMAC. [emphasis added]

Release characterization is the first phase of corrective action unless the release is ongoing or is of limited volume and all impacts can be immediately addressed. Proper and cost-effective remediation typically cannot occur without adequate characterization of the impacts of any release. Furthermore, the Division has the ability to impose reasonable conditions upon the efforts it oversees. As such, the Division is requiring a workplan for the characterization of impacts associated with this release be submitted to the OCD District 2 office in ARTESIA on or before 3/8/17. If and when the release characterization workplan is approved, there will be an associated deadline for submittal of the resultant investigation report. Modest extensions of time to these deadlines may be granted, but only with acceptable justification.

The goals of a characterization effort are: 1) determination of the lateral and vertical extents along with the magnitude of soil contamination. 2) determine if groundwater or surface waters have been impacted. 3) If groundwater or surface waters have been impacted, what are the extents and magnitude of that impact. 4) The characterization of any other adverse impacts that may have occurred (examples: impacts on vegetation, impacts on wildlife, air quality, loss of use of property, etc.). To meet these goals as quickly as possible, the following items must, at a minimum, be addressed in the release characterization workplan and subsequent reporting:

- Horizontal delineation of soil impacts in each of the four cardinal compass directions. Adsorbed soil contamination must be characterized for the following constituents using the associated laboratory methods: benzene, toluene, ethylbenzene, and total xylenes by either Method 8260 or 8021, total petroleum hydrocarbons by Method 8015 extended range (GRO+DRO+MRO; C₆ thru C₃₆), and for chloride by Method 300. This is not an exclusive list of potential contaminants. Analyzed parameters should be modified based on the nature of the released substance(s). Soil sampling must be both within the impacted area and beyond.
- Vertical delineation of soil impacts. Adsorbed soil contamination must be characterized for the following constituents using the associated laboratory methods: benzene, toluene, ethylbenzene, and total xylenes by either Method 8260 or 8021, total petroleum hydrocarbons by Method 8015 extended range (GRO+DRO+MRO; C₆ thru C₃₆), and for chloride by Method 300. As above, this is not an exclusive list of potential contaminants and can be modified. Vertical characterization samples should be taken at depth intervals no greater than five feet apart. Lithologic description of encountered soils must also be provided. At least ten vertical feet of soils with contaminant concentrations at or below these values must be demonstrated as existing above the water table.
- Nominal detection limits for field and laboratory analyses must be provided.
- Composite sampling is not generally allowed.
- Field screening and assessment techniques are acceptable (headspace, titration, EC [include algorithm for validation purposes], EM, etc.), but the sampling and assay procedures must be clearly defined. Copies of field notes are highly desirable. A statistically significant set of split samples must be submitted for confirmatory laboratory analysis, including the laterally farthest and vertically deepest sets of soil samples. Make sure there are at least two soil samples submitted

for laboratory analysis from each borehole or test pit (highest observed contamination and deepest depth investigated). Copies of the actual laboratory results must be provided including chain of custody documentation.

- Probable depth to shallowest protectable groundwater and lateral distance to nearest surface water. If there is an estimate of groundwater depth, the information used to arrive at that estimate must be provided. If there is a reasonable assumption that the depth to protectable water is 50 feet or less, the responsible party should anticipate the need for at least one groundwater monitoring well to be installed in the area of likely maximum contamination.

- If groundwater contamination is encountered, an additional investigation workplan may be required to determine the extents of that contamination. Groundwater and/or surface water samples, if any, must be analyzed by a competent laboratory for volatile organic hydrocarbons (typically Method 8260 full list), total dissolved solids, pH, major anions and cations including chloride and sulfate, dissolved iron, and dissolved manganese. The investigation workplan must provide the groundwater sampling method(s) and sample handling protocols. To the fullest extent possible, aqueous analyses must be undertaken using nominal method detection limits. As with the soil analyses, copies of the actual laboratory results must be provided including chain of custody documentation.

- Accurately scaled and well-drafted site maps must be provided providing the location of borings, test pits, monitoring wells, potentially impacted areas, and significant surface features including roads and site infrastructure that might limit either the release characterization or remedial efforts. Field sketches may be included in subsequent reporting, but should not be considered stand-alone documentation of the site's layout. Digital photographic documentation of the location and fieldwork is recommended, especially if unusual circumstances are encountered.

Nothing herein should be interpreted to preclude emergency response actions or to imply immediate remediation by removal cannot proceed as warranted. Nonetheless, characterization of impacts and confirmation of the effectiveness of remedial efforts must still be provided to the OCD before any release incident will be closed.

Jim Griswold
OCD Environmental Bureau Chief
1220 South St. Francis Drive
Santa Fe, New Mexico 87505
505-476-3465
jim.griswold@state.nm.us

Bratcher, Mike, EMNRD

From: Kirk Faries <kfaries@roverpetro.com>
Sent: Friday, January 6, 2017 11:20 AM
To: Bratcher, Mike, EMNRD
Cc: Michael Feezel; Keri Clarke; Amanda Barringer
Subject: Rover Operating Hastie Fed. leak
Attachments: C-14120110808.doc

Mike, here is the C-141 on the leak we had on the Hastie Fed. Battery flowline. I will send the analytical data to you as soon as we get it back from Cardinal Labs. If I need to change anything please let me know. I also sent proper paperwork to Shelly Tucker with BLM.

Thanks, Kirk Faries
Rover Operating Production Foreman
575-513-3198