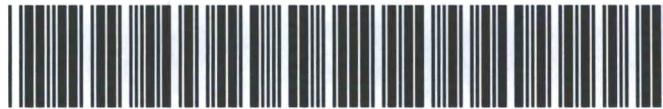




AE Order Number Banner

Report Description

This report shows an AE Order Number in Barcode format for purposes of scanning. The Barcode format is Code 39.



App Number: pCS1507831688

3RP - 1024

DJR OPERATING, LLC

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: DJR Operating, LLC	Contact: Amy Archuleta
Address: PO BOX 156 Bloomfield, NM 87413	Telephone No.: 505-632-3476 x201
Facility Name: S. Lybrook 9, 11, and 15 Flowline	Facility Type: Flowline
Surface Owner: Federal	Mineral Owner: N/A
	API No.: N/A

LOCATION OF RELEASE

Unit Letter NE/SE (I)	Section 18	Township 23N	Range 06W	Feet from the N/A	North/South Line	Feet from the N/A	East/West Line	County Rio Arriba
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Latitude 36.222833 Longitude -107.505378 NAD83

NATURE OF RELEASE

Type of Release Gas Flowline leak	Volume of Release 412 MCF	Volume Recovered 40 Yrds Soil
Source of Release 1 1/2" split in flowline	Date and Hour of Occurrence 2-27-18	Date and Hour of Discovery 4:30 PM
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Cory Smith, Vanessa Fields, Whitney Thomas	
By Whom? Amy Archuleta	Date and Hour 2-27-18 6:41PM via Email.	
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.*

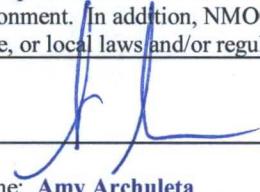
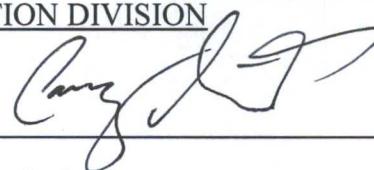
A midstream operator was doing some work around this area and his gas meter detected gas. He immediately shut the 3 wells that flow through that pipeline in and began investigating this leak. On 3-2-18 (after one-call) they excavated 40 bbls of soil and took it to IEI's land farm. They discovered a split in the flowline approx. 1-1/2" long. This area has a total ranking score of 10.

Describe Area Affected and Cleanup Action Taken.*

NMOCD

MAR 12 2018

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: Amy Archuleta	Approved by Environmental Specialist: 	
Title: Regulatory Supervisor	Approval Date: 5/4/18	Expiration Date:
E-mail Address: aarchuleta@djrlc.com	Conditions of Approval: Sample Fee	Attached <input checked="" type="checkbox"/>
Date: 3-09-18 Phone: 505-632-3476 x201	TPH, Btex	

* Attach Additional Sheets If Necessary

#NCS 1812442954

8

Operator/Responsible Party,

The OCD has received the form C-141 you provided on 3/12/18 regarding an unauthorized release. The information contained on that form has been entered into our incident database and remediation case number NCS 1812442954 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 III office in Aztec on or before N/A. 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



S. Lybrook 9, 11, and 15 Flowline Release
Lat: 36.222833 Long: -107.505378
Rio Arriba County, NM
215' to nearest wash
Total Ranking Score **10 - 19**
Benzene(ppm)* **10**
BTEX(ppm)* **50**
TPH(ppm)** **1000**



Survey
Google Earth

©2018 Google

200 ft

Project DJR Leak		TECHNICAL TOOLBOXES
Location NM	Date 3/8/2018	

Weymouth [Flow Rate]

PIPE AND OPERATIONAL DATA:

Temperature base [° F]	60
Pressure base [psia]	11.6
Gas flowing temperature [° F]	60
Gas specific gravity	0.60
Compressibility factor	1.0
Pipeline efficiency factor	0.98
Upstream pressure [psig]	20
Downstream pressure [psig]	0
Internal pipe diameter [inches]	.3
Length of pipeline [feet]	100
Upstream elevation [feet]	4600
Downstream elevation [feet]	4600

RESULTS OF CALCULATION:

Flow rate [MCFH]	0.39	$\times 24 \times 55 = 514 \times .80 = 412 \text{ MCF}$
Transmission factor	9.15	
Velocity [ft/sec]	139.24	

Notes: 1 1/2" long split, 1/16" wide - approx equivalent to .306 diameter hole

Reference: A.G.A. GEOP Pipelines Planning and Economics, Book T-1

Prepared By John Smith	Approved By	Revision: 10.0.0
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Select Sites From Group

View by: Site Name | Unit Ref

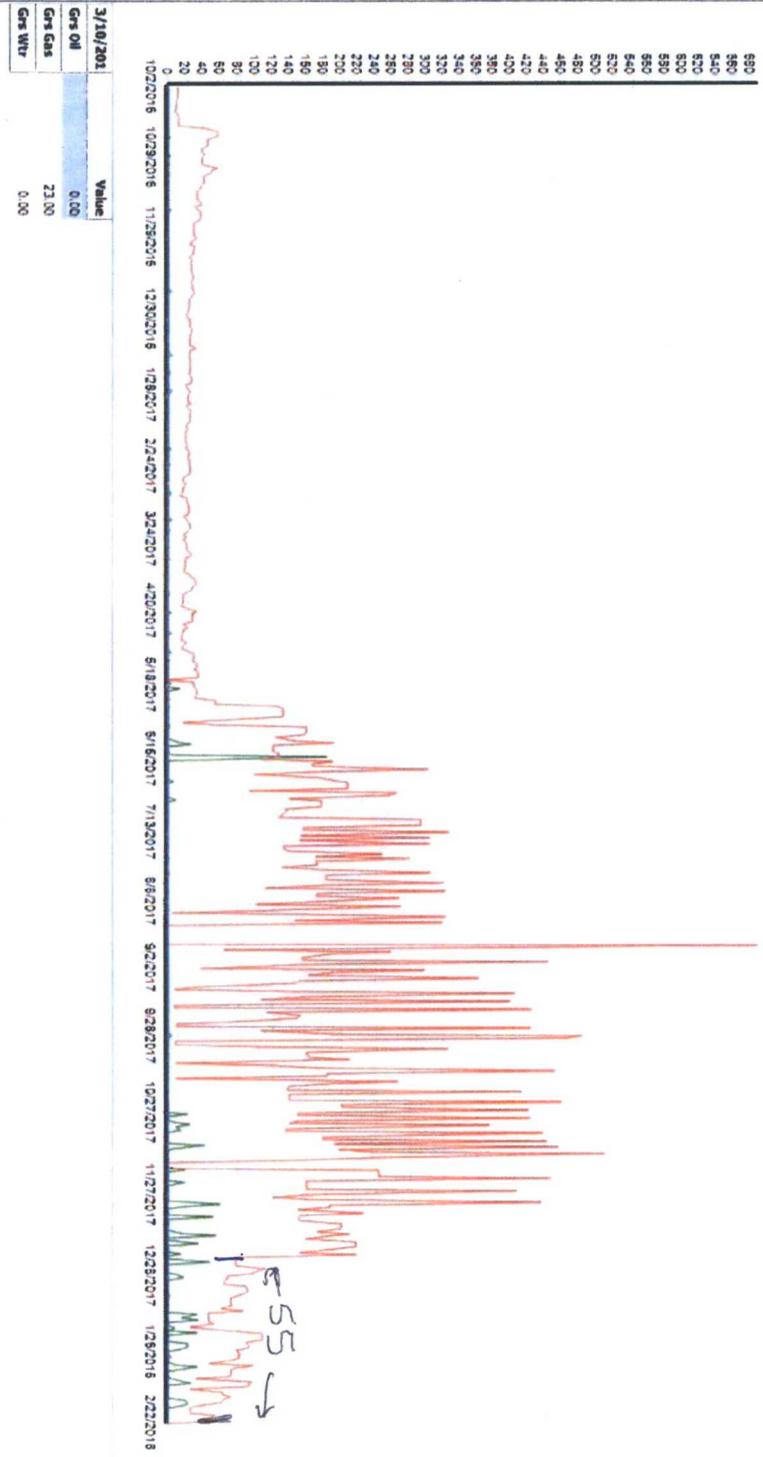
- LYBROOK South
- LYBROOK SOUTH 10
- LYBROOK SOUTH 11
- LYBROOK SOUTH 12
- LYBROOK SOUTH 14
- LYBROOK SOUTH 15
- LYBROOK SOUTH 16
- LYBROOK SOUTH 3
- LYBROOK SOUTH 5
- LYBROOK SOUTH 6
- LYBROOK SOUTH 7
- LYBROOK SOUTH 8
- LYBROOK SOUTH 9

South Lybroom wells

Summary

Layout: Monthly View Daily View

Edit Groups



10/2/2016 to 1/29/2018 (368 days)

30d 60d 90d 180d All





New Mexico Office of the State Engineer
Water Column/Average Depth to Water

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters)

No records found.

PLSS Search:

Q16: NE **Q4:** SE **Section(s):** 18 **Township:** 23N **Range:** 06W

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

3/9/18 9:02 AM

WATER COLUMN/ AVERAGE
DEPTH TO WATER



New Mexico Office of the State Engineer
Active & Inactive Points of Diversion
(with Ownership Information)

No PODs found.

POD Search:

POD Basin: San Juan

PLSS Search:

Q16: NE **Q4:** SE **Section(s):** 18 **Township:** 23N **Range:** 06W

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

3/9/18 9:06 AM

ACTIVE & INACTIVE POINTS OF DIVERSION