

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

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

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

Incident ID	nAPP2236449532
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party: Earthstone Operating, LLC	OGRID: 331165
Contact Name: Chris Martin	Contact Telephone: 432-253-9998 Ext. 2653
Contact email: cmartin@earthstoneenergy.com	Incident # (assigned by OCD): nAPP2236449532
Contact mailing address: 600 N. Marienfeld, Suite 1000, Midland, TX 79701	

Location of Release Source

Latitude 32.668533 Longitude -103.612933
(NAD 83 in decimal degrees to 5 decimal places)

Site Name: Buffalo 12 1 Federal 2BS Com #005H	Site Type Production Equipment
Date Release Discovered December 17, 2022	API# (if applicable) 30-025-45161

Unit Letter	Section	Township	Range	County
O	12	19S	33E	Lea

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): 4.02	Volume Recovered (bbls): 4
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls): 17	Volume Recovered (bbls): 16
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input checked="" 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: The release was due to a hole in the fire tube. Fluid was squeegeed into a central location and recovered with a vacuum truck. The area was scraped and the soil was disposed of at a NM approved disposal facility.

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Was this a major release as defined by 19.15.29.7(A) NMAC? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release?
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?	

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: <u>Rebecca Haskell</u> Title: <u>Senior Project Manager</u> Signature: <u></u> Date: <u>12/30/22</u> email: <u>bhaskell@ntglobal.com</u> Telephone: <u>432-766-1918</u>
OCD Only Received by: <u>Jocelyn Harimon</u> Date: <u>01/03/2023</u>

***** LIQUID SPILLS - VOLUME CALCULATIONS *****

Location of spill: Buffalo 12-1 Federal Com 2BS 5H

Date of Spill: 17-Dec-2022

If the leak/spill is associated with production equipment, i.e. - wellhead, stuffing box, flowline, tank battery, production vessel, transfer pump, or storage tank place an "X" here:

Input Data:

If spill volumes from measurement, i.e. metering, tank volumes, etc. are known enter the volumes here: OIL: 0.0 BBL WATER: 0.0 BBL

If "known" spill volumes are given, input data for the following "Area Calculations" is optional. The above will override the calculated volumes.

Total Area Calculations						Standing Liquid Calculations						
Total Surface Area	width	length	wet soil		oil (%)	Standing Liquid Area	width	length	liquid depth	oil (%)		
Rectangle Area #1	22.5 ft	40 ft	X	0.50 in	2%	Rectangle Area #1	0 ft	X	0 ft	0 in	0%	
Rectangle Area #2	0 ft	X	0 ft	X	0 in	0%	Rectangle Area #2	0 ft	X	0 ft	0 in	0%
Rectangle Area #3	0 ft	X	0 ft	X	0 in	0%	Rectangle Area #3	0 ft	X	0 ft	0 in	0%
Rectangle Area #4	0 ft	X	0 ft	X	0 in	0%	Rectangle Area #4	0 ft	X	0 ft	0 in	0%
Rectangle Area #5	0 ft	X	0 ft	X	0 in	0%	Rectangle Area #5	0 ft	X	0 ft	0 in	0%
Rectangle Area #6	0 ft	X	0 ft	X	0 in	0%	Rectangle Area #6	0 ft	X	0 ft	0 in	0%
Rectangle Area #7	0 ft	X	0 ft	X	0 in	0%	Rectangle Area #7	0 ft	X	0 ft	0 in	0%
Rectangle Area #8	0 ft	X	0 ft	X	0 in	0%	Rectangle Area #8	0 ft	X	0 ft	0 in	0%

okay

production system leak - DAILY PRODUCTION DATA REQUIRED

Average Daily Production: Oil 0 BBL Water 0 BBL 0 Gas (MCFD) Total Hydrocarbon Content in gas: 0% (percentage)

Did leak occur before the separator?: YES N/A (place an "X") H2S Content in Produced Gas: 0 PPM H2S Content in Tank Vapors: 0 PPM

Amount of Free Liquid Recovered: 0 BBL okay Percentage of Oil in Free Liquid Recovered: 0% (percentage)

Liquid holding factor *: 0.14 gal per gal Use the following when the spill wets the grains of the soil. Use the following when the liquid completely fills the pore space of the soil:

* Sand = 0.08 gallon (gal.) liquid per gal. volume of soil. Occurs when the spill soaked soil is contained by barriers, natural (or not).
 * Gravelly (caliche) loam = 0.14 gal. liquid per gal. volume of soil. * Clay loam = 0.20 gal. liquid per gal. volume of soil.
 * Sandy clay loam soil = 0.14 gal liquid per gal. volume of soil. * Gravelly (caliche) loam = 0.25 gal. liquid per gal. volume of soil.
 * Clay loam = 0.16 gal. liquid per gal. volume of soil. * Sandy loam = 0.5 gal. liquid per gal. volume of soil.

Total Solid/Liquid Volume: 900 sq. ft. 37 cu. ft. 1 cu. ft.	Total Free Liquid Volume: sq. ft. cu. ft. cu. ft.
Estimated Volumes Spilled	Estimated Production Volumes Lost
Liquid in Soil: H2O 0.9 BBL OIL 0 BBL	Estimated Production Spilled: H2O 0.0 BBL OIL 0.0 BBL
Free Liquid: 0.0 BBL 0.0 BBL	
Totals: 0.9 BBL 0 BBL	Estimated Surface Damage
Total Liquid Spill Liquid: 0.9 BBL 0.02 BBL	Surface Area: 900 sq. ft. .0207 acre
Recovered Volumes	Estimated Weights, and Volumes
Estimated oil recovered: BBL check - okay	Saturated Soil = 4,200 lbs 38 cu. ft. 1 cu. yds.
Estimated water recovered: BBL check - okay	Total Liquid = 1 BBL 39 gallon 327 lbs

Air Emission from flowline leaks:

Volume of oil spill: - BBL
 Separator gas calculated: - MCF
 Separator gas released: - MCF
 Gas released from oil: - lb
 H2S released: - lb
 Total HC gas released: - lb
 Total HC gas released: - MCF

Air Emission of Reporting Requirements:

New Mexico Texas
 HC gas release reportable? NO NO
 H2S release reportable? NO NO

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 1625 N. French Dr., Hobbs, NM 88240
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 Phone:(575) 748-1283 Fax:(575) 748-9720

District III
 1000 Rio Brazos Rd., Aztec, NM 87410
 Phone:(505) 334-6178 Fax:(505) 334-6170

District IV
 1220 S. St Francis Dr., Santa Fe, NM 87505
 Phone:(505) 476-3470 Fax:(505) 476-3462

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Santa Fe, NM 87505

CONDITIONS

Action 171402

CONDITIONS

Operator: Earthstone Operating, LLC 1400 Woodloch Forest; Ste 300 The Woodlands, TX 77380	OGRID: 331165
	Action Number: 171402
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jharimon	None	1/3/2023