

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	nAPP2233652589
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):
Contact mailing address: 600 N. Marienfeld, Suite 1000, Midland, TX 79701	

Location of Release Source

Latitude 32.552269 Longitude -103.5325623
(NAD 83 in decimal degrees to 5 decimal places)

Site Name: Laguna 23 Federal Com #003H	Site Type Wellhead
Date Release Discovered November 23, 2022	API# (if applicable) 30-025-41946

Unit Letter	Section	Township	Range	County
N	23	20S	34E	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): 8.1	Volume Recovered (bbls): 7
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls): 15	Volume Recovered (bbls): 13
	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 appears to be a mischievous act as there were vehicle tracks noted driving to the well and all the bolts had been removed from the wellhead packing assembly, allowing the rubber packing to leak.

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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>Rebecca Haskell</u>	Date: <u>12/2/22</u>
email: <u>bhaskell@ntglobal.com</u>	Telephone: <u>432-766-1918</u>
<u>OCD Only</u>	
Received by: <u>Jocelyn Harimon</u>	Date: <u>12/02/2022</u>

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

Location of spill: Laguna 23 Federal Com #003H

Date of Spill: 23-Nov-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

Total Surface Area	width	length	wet soil depth	oil (%)
Rectangle Area #1	57 ft	264 ft	X	0.10 in 35%
Rectangle Area #2	0 ft	X	0 ft	X 0 in 0%
Rectangle Area #3	0 ft	X	0 ft	X 0 in 0%
Rectangle Area #4	0 ft	X	0 ft	X 0 in 0%
Rectangle Area #5	0 ft	X	0 ft	X 0 in 0%
Rectangle Area #6	0 ft	X	0 ft	X 0 in 0%
Rectangle Area #7	0 ft	X	0 ft	X 0 in 0%
Rectangle Area #8	0 ft	X	0 ft	X 0 in 0%

Standing Liquid Calculations

Standing Liquid Area	width	length	liquid depth	oil (%)
Rectangle Area #1	0 ft	X	0 ft	X 0 in 0%
Rectangle Area #2	0 ft	X	0 ft	X 0 in 0%
Rectangle Area #3	0 ft	X	0 ft	X 0 in 0%
Rectangle Area #4	0 ft	X	0 ft	X 0 in 0%
Rectangle Area #5	0 ft	X	0 ft	X 0 in 0%
Rectangle Area #6	0 ft	X	0 ft	X 0 in 0%
Rectangle Area #7	0 ft	X	0 ft	X 0 in 0%
Rectangle Area #8	0 ft	X	0 ft	X 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.
 * Gravelly (caliche) loam = 0.14 gal. liquid per gal. volume of soil.
 * Sandy clay loam soil = 0.14 gal liquid per gal. volume of soil.
 * Clay loam = 0.16 gal. liquid per gal. volume of soil.

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

Total Solid/Liquid Volume: 15,048 sq. ft. 82 cu. ft. 44 cu. ft.

Total Free Liquid Volume: sq. ft. cu. ft. cu. ft.

Estimated Volumes Spilled

	H2O	OIL
Liquid in Soil:	2.0 BBL	1 BBL
Free Liquid:	0.0 BBL	0.0 BBL
Totals:	2.0 BBL	1 BBL

Estimated Production Volumes Lost

	H2O	OIL
Estimated Production Spilled:	0.0 BBL	0.0 BBL

Estimated Surface Damage

Surface Area: 15,048 sq. ft.
 Surface Area: .3455 acre

Total Liquid Spill Liquid: 2.0 BBL 1.1 BBL

Recovered Volumes

Estimated oil recovered: BBL check - okay
 Estimated water recovered: BBL check - okay

Estimated Weights, and Volumes

Saturated Soil = 14,045 lbs 125 cu. ft. 5 cu. yds.
 Total Liquid = 3 BBL 131 gallon 1,093 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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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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CONDITIONS

Action 163458

CONDITIONS

Operator: Earthstone Operating, LLC 1400 Woodloch Forest; Ste 300 The Woodlands, TX 77380	OGRID: 331165
	Action Number: 163458
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jharimon	None	12/6/2022