

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	nAPP2232138798
District RP	
Facility ID	fAPP2128533545
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): nAPP2232138798
Contact mailing address: 600 N. Marienfeld, Suite 1000, Midland, TX 79701	

### Location of Release Source

Latitude 32.487557Longitude -103.613716

(NAD 83 in decimal degrees to 5 decimal places)

Site Name: Sombrero 18 Federal Com Tank Battery	Site Type Flare
Date Release Discovered November 5, 2022	API# (if applicable)

Unit Letter	Section	Township	Range	County
N	7	21S	33E	Lea

Surface Owner:  State  Federal  Tribal  Private (Name: T Over V Ranch Land LLLP)

### 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): 22	Volume Recovered (bbls): 0
<input type="checkbox"/> Produced Water	Volume Released (bbls):	Volume Recovered (bbls):
	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: Another operator was fracking in the area and communicated with an on-site well which caused fluid to be released from the flare. The on-site wells were shut in.

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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>11/17/22</u>
email: <u>bhaskell@ntglobal.com</u>	Telephone: <u>432-766-1918</u>
<b>OCD Only</b> Received by: <u>Jocelyn Harimon</u> Date: <u>11/17/2022</u>	

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

Location of spill: Sombrero 18 Federal Com Tank Battery

Date of Spill: 5-Jan-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					Standing Liquid Area								
	width	length	wet soil depth	oil (%)		width	length	liquid depth	oil (%)				
Rectangle Area #1	33 ft	1,000 ft	X	0.10 in	100%	Rectangle Area #1	0 ft	X	0 ft	X	0 in	0%	
Rectangle Area #2	50 ft	X	220 ft	X	0.5 in	100%	Rectangle Area #2	0 ft	X	0 ft	X	0 in	0%
Rectangle Area #3	2 ft	X	930 ft	X	1 in	100%	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 #4	0 ft	X	0 ft	X	0 in	0%
Rectangle Area #5	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 #6	0 ft	X	0 ft	X	0 in	0%
Rectangle Area #7	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%	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: 45,860 sq. ft. cu. ft. 888 cu. ft.

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

Estimated Volumes Spilled

	H2O	OIL
Liquid in Soil:	<u>0.0</u> BBL	<u>22</u> BBL
Free Liquid:	<u>0.0</u> BBL	<u>0.0</u> BBL
Totals:	<u>0.0</u> BBL	<u>22</u> BBL

Estimated Production Volumes Lost

	H2O	OIL
Estimated Production Spilled:	<u>0.0</u> BBL	<u>0.0</u> BBL

Estimated Surface Damage

Surface Area: 45,860 sq. ft.  
Surface Area: 1.0528 acre

Total Liquid Spill Liquid: 0.0 BBL 22 BBL

Recovered Volumes

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

Estimated Weights, and Volumes

Saturated Soil = 99,493 lbs 888 cu. ft. 33 cu. yds.  
Total Liquid = 22 BBL 930 gallon 7,740 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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**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

**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

CONDITIONS

Action 159720

**CONDITIONS**

Operator: Earthstone Operating, LLC 1400 Woodloch Forest; Ste 300 The Woodlands, TX 77380	OGRID: 331165
	Action Number: 159720
	Action Type: [C-141] Release Corrective Action (C-141)

**CONDITIONS**

Created By	Condition	Condition Date
jharimon	None	11/17/2022