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	NAPP2231259277
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party Spur Energy Partners	OGRID 328947
Contact Name Braidy Moulder	Contact Telephone 713-264-2517
Contact email bmoulder@spurepllc.com	Incident # *(assigned by OCD)*
Contact mailing address 919 Milam Street Suite 2475 Houston, TX 77002	

Location of Release Source

Latitude 32.8358383 Longitude -103.9736481
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Rose 2 & 3 Battery	Site Type Production
Date Release Discovered 10-14-22	API# 30-015-45114

Unit Letter	Section	Township	Range	County
D	07	19S	26E	Eddy

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)

☐ Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
☒ Produced Water	Volume Released 15 (bbls)	Volume Recovered 10 (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☐ Yes ☒ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release

4" ball valve on Coleman water line from the separators discharge to water tank developed a pin hole due to internal corrosion causing a 15 barrel spill.

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Page 2

State of New Mexico
Oil Conservation Division

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Was this a major release as defined by 19.15.29.7(A) NMAC? ☐ Yes ☒ 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

☒ The source of the release has been stopped.
☒ The impacted area has been secured to protect human health and the environment.
☒ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.
☒ All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not 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: Braidy Moulder — Title: HSE Manager

Signature: _____ Date:

email: bmoulder@spurenergy.com — Telephone: 713-264-2517

OCD Only

Received by: Jocelyn Harimon Date: 11/15/2022

Spill Volume(Bbls) Calculator		
Inputs in Green , Outputs in Red		
Length(Ft)	Width(Ft)	Depth(In)
55.000	18.000	4.000
Cubic Feet Impacted		330.000
Barrels		58.77
Soil Type		Pea Gravel
Bbls Assuming 100% Saturation		29.39
Saturation	Fluid present when squeezed	
Estimated Barrels Released		14.70000

Instructions
1.Input spill measurements below. Length and width need to be input in feet and depth in inches.
2. Select a soil type from the drop down menu.
3. Select a saturation level from the drop down menu.
(For data gathering instructions see appendix tab)

Measurements	
Length (ft)	200
Width (ft)	120
Depth (in)	6

Lined Containment
Clay
Clay/Sand
Sand
Pea Gravel
Fluid present with shovel/backhoe
Fluid present when squeezed
Damp no fluid when squeezed

To adequately estimate the volume of a release to soils, a three step process will be utilized. Step 1: determining the spill area impacted by the release, Step 2: determining the soil porosity and Step 3: determining the soil saturation. Below is a brief description of each and an example calculation.

Step 1: Spill Area

First determine the total volume of soils impacted by a release. Measure the surface area and determine the depth of penetration. For the purposes of this calculation make all measurements in feet. If the depth is less than one foot, divide the depth in inches by 12 and that will give you the decimal equivalent.

Length (L) x Width (W) x Depth (D) = Cubic Feet (CF) impacted

Now convert the area volume to a liquid volume in barrels. This is done by dividing the CF by a conversion factor of 5.61.

CF / 5.61 = Barrels if no soil were present

Step 2: Soil Porosity

Soil porosity determines the maximum volume of liquid a specific soil type can hold. This is calculated using a percentage. Soil type information is not always readily available, so three basic soil types will be used in this calculation. Clay which has a porosity of 10%, Clay/Sand mix has a porosity of 15% and Sand has a soil porosity of 20%. Multiply the barrels calculated in Step 1 by the soil porosity that most closely represents the soil type impacted by the release.

Barrels x Soil Porosity (SP) % = Barrels if soil is 100% saturated

Step 3: Saturation

Saturation determines the quantity of liquid in the soil. If liquids run from the soil during excavation with a shovel or backhoe assume 100% saturation. If liquids run from the soil after squeezing a sample by hand assume 50% saturation. If soils are damp but liquids cannot be squeezed out assume 10% saturation. Multiply the barrels calculated in Step 2 by percent saturation.

Barrels x Saturation % = ESTIMATED BARRELS OF RELEASE

Example: A release covered an area 100 feet by 50 feet at a depth of 8 inches. The soil type was Clay/Sand mix (15%) and the soil is damp but liquids could not be squeezed out by hand (10%). The calculation for estimating the amount of release is as follows:

Step 1: 100' x 50' x (8"/12) = 3333.3 CF / 5.61 = 594.1 Bls

Step 2: 594.1 Bls x 15% = 89.1 Bls

Step 3: 89.1 Bls x 10% = 8.9 Bls estimated release

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Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
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

State of New Mexico
Energy, Minerals and Natural Resources
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CONDITIONS

Action 158844

CONDITIONS

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 158844
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jharimon	None	11/15/2022