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	NAPP2201032580
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party **TAP ROCK OPERATING**	OGRID **372043**
Contact Name **CHRISTIAN COMBS**	Contact Telephone **720-360-4028**
Contact email ccombs@taprk.com	Incident # *(assigned by OCD)*
Contact mailing address **523 Park Point Dr. #200 Golden CO, 80401**	

Location of Release Source

Latitude **32.1964378** Longitude **-103.583313**
(NAD 83 in decimal degrees to 5 decimal places)

Site Name **JACKSON UNIT #018H**	Site Type **PRODUCTION**
Date Release Discovered **01/07/2022**	API# *(if applicable)* ***30-025-40974***

Unit Letter	Section	Township	Range	County
M	**21**	**24S**	**33E**	**LEA COUNTY**

Surface Owner: ☒ State ☐ Federal ☐ Tribal ☒ Private (*Name:* NGL)

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 (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☐ Yes ☐ No
☒ Condensate	Volume Released (bbls) **6.04BBLS**	Volume Recovered (bbls) **1.5BBLS**
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release

A malfunction in the flare occurred causing the fluid to be released out of the top of the flare. Production was immediately shit in so that issues could be repaired. A vac truck was dispatched out to recover standing fluids. The standing fluids were found in the bermed area around the flare and the remaining fluids were sprayed out into the pasture area.

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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)? **An email was sent to the OCD online email, to Mike Bratcher, Chad Hensley and Robert Hamlet on 1/8/22 at 4:33pm.**	

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: **Natalie Gladden** Title: **Director of Environmental and Regulatory**

Signature: Natalie Gladden Date: **1/10/2022**

email: **natalie@energystaffingllc.com** Telephone: **575-390-6397**

OCD Only

Received by: Ramona Marcus Date: 1/10/2022

Soil Type	Porosity	Length	Width	Depth (.083 per inch)	Cubic Feet	Estimated Barrels	Soil Type
Clay	0.15	10	10	0.083	8.3	0.22	Clay
Peat	0.40	10	10	0.083	8.3	0.59	Peat
Glacial Sediments	0.13	10	10	0.083	8.3	0.19	Glacial Sediments
Sandy Clay	0.12	10	10	0.083	8.3	0.18	Sandy Clay
Silt	0.16	10	10	0.083	8.3	0.24	Silt
Loess	0.25	10	10	0.083	8.3	0.37	Loess
Fine Sand	0.16	255	10	0.083	211.65	6.04	Fine Sand
Medium Sand	0.25	10	10	0.083	8.3	0.37	Medium Sand
Coarse Sand	0.26	10	10	0.083	8.3	0.38	Coarse Sand
Gravely Sand	0.26	10	10	0.083	8.3	0.38	Gravely Sand
Fine Gravel	0.26	10	10	0.083	8.3	0.38	Fine Gravel
Medium Gravel	0.20	10	10	0.083	8.3	0.30	Medium Gravel
Coarse Gravel	0.18	10	10	0.083	8.3	0.27	Coarse Gravel
Sandstone	0.25	10	10	0.083	8.3	0.37	Sandstone
Siltstone	0.18	10	10	0.083	8.3	0.27	Siltstone
Shale	0.05	10	10	0.083	8.3	0.07	Shale
Limestone	0.13	10	10	0.083	8.3	0.19	Limestone
Basalt	0.19	10	10	0.083	8.3	0.28	Basalt
Volcanic Tuff	0.20	10	10	0.083	8.3	0.30	Volcanic Tuff
Standing Liquids	X	10	10	0.083	8.3	1.48	Standing Liquids

1	*2*	*3*	*4*	*5*	*6*
0.083	**0.166**	**0.250**	**0.332**	**0.415**	**0.500**
7	*8*	*9*	*10*	*11*	*12*
0.581	**0.664**	**0.750**	**0.830**	**0.913**	**1.000**

NOTE: This is an **estimate** tool designed for quick field estimates of whether a C-141 should be requred *(I.e. a release is estimated to be greater than or less than 5 barrel volumes)*

Choose the one prevailing ground type for estimating spill volumes at a single location.

Note that the depth should be measured in feet and tenths of feet (1 inch = .083)

Cubic Feet = L x W x D

Estimated Barrels = ((Cubic Feet x Porosity) / 5.61)

Site Ranking score

GW + WPA + SWB =

Depth to ground water (*GW*)

Less Than 50 feet	50-99 feet	Greater Than 100 feet
20	**10**	**0**

Remediation Action Levels

Total Ranking Score	>19	10 – 19	0 – 9
Benzene (ppm)		10	10
BTEX (ppm)		50	50
TPH (ppm)		100	1000

Wellhead protection area (*WPA*)

Less Than 1000 feet from a water source, or;
Less Than 200 feet from private domestic water source

Yes		No
20		**0**

Contaminated soils must be remediated until the contaminants are to the parts per million listed above.

Other contaminants, not listed, must be remediated to WQCC, EPA, RCRA or other standards for those specific contaminants.

Distance to nearest surface water body (*SWB*)

Less Than 200 Horizontal Feet	200-1000 Horizontal Feet	Greater Than 1000 Horizontal Feet
20	**10**	**0**

Contaminant Dileneation by observation

Provide brief label for each area (i.e. wellhead, SE corner, inside berm, pasture, etc.)

Length times Width = Square Feet

	Highly Contaminated / Saturated Soils	Unsaturated Contaminated Soils
Area 1_____Approximate area:	L w sq ft	L w sq ft
Area 2_____Approximate area:	L w sq ft	L w sq ft
Area 3_____Approximate area:	L w sq ft	L w sq ft
Area 4_____Approximate area:	L w sq ft	L w sq ft

Estimate of Volume of impacted Soils and liquid volume

Provide total square feet for each area, multiply by average detph and fill in cubic feet

Square Feet times Average Depth = Cubic Feet

1 inch = 0.083 feet

	Highly Contaminated / Saturated Soils	Unsaturated Contaminated Soils
Area 1: _____ Sq Ft _____ Ft Avg Depth	CUBIC FEET	CUBIC FEET
Area 2: _____ Sq Ft _____ Ft Avg Depth	CUBIC FEET	CUBIC FEET
Area 3: _____ Sq Ft _____ Ft Avg Depth	CUBIC FEET	CUBIC FEET
Area 4: _____ Sq Ft _____ Ft Avg Depth	CUBIC FEET	CUBIC FEET

To calculate an estimate of liquid volume released use the following formula

(Note: This formula does not calculate free-standing liquids and is based on unsaturated, contaminated soils. Highly saturated soils may be higher volumes. However, use the sum af all soils that are visibly contaminated, whether saturated or unsaturated to obtain the low-end estimate.)

Square Feet times Average Depth equals Cubic Feet times Porosity divided by 5.61 equals estimated volume (bbl) of spill.

Area No.	Square Feet	X	Average Depth	=	Cubic Feet	X	Porosity	/	5.61	=	Volume (bbl)
1									5.61		bbl
2									5.61		bbl
3									5.61		bbl
4									5.61		bbl

(Note: Releases greater than 5 bbl must be reported using Form C-141)

Total Estimated Volume =

Example	*300*	*0.5 (6 inches)*	*150*	*0.2*	*5.61*	*5.35 bbl*

Soil Types & Porosity Values:

High Clay Content Soils = 0.15 | Silty Soils and Fine Sand = 0.16 | Sand/Sandy Soils = 0.26 | Gravel = 0.26 | Rocky Soils = 0.4

Areas on a well maintained, hard packed caliche location should use porosity value of 0.18.

Use only one value for the predominate soil type in each area. Local variations may apply (sinkholes, crevices, caves, steep slope…)

You are encouraged to use the OCD publication entitled "Remediation of Leaks, Spills and Releases" as a guide during remediation operations. This guide contains a full discussion of site assessment and required remediation action levels and can be found on the OCD website at http://www.emnrd.state.nm.us/emnrd/ocd/EH-MiscGuidelines.htm

Soil	Dry Bulk Density	Total Porosity	Effective Porosity
Clay	1.00-2.40	0.34-0.60	0.01-0.2
Peat	x	x	0.3-0.5
Glacial Sediments	1.15-2.10	x	0.05-0.2
Sandy Clay	x	x	0.03-0.2
Silt	x	0.34-0.61	0.01-0.3
Loess	0.75-1.60	x	0.15-0.35
Fine Sand	1.37-1.81	0.26-0.53	0.01-0.3
Medium Sand	1.37-1.81	x	0.15-0.3
Coarse Sand	1.37-1.81	0.31-0.46	0.2-0.35
Gravely Sand	1.37-1.81	x	0.2-0.35
Fine Gravel	1.36-2.19	0.25-0.38	0.2-0.35
Medium Gravel	1.36-2.19	x	0.15-0.25
Coarse Gravel	1.36-2.19	0.24-0.36	0.1-0.25
Sandstone	1.60-2.68	0.05-0.30	0.1-0.4
Sitstone	x	0.21-0.41	0.01-0.35
Shale	1.54-3.17	0.0-0.10	x
Limestone	1.74-2.79	0.0-0.50	0.01-0.24
Granite	2.24-2.46	x	x
Basalt	2.00-2.70	0.03-0.35	x
Volcanic Tuff	x	x	0.02-0.35

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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 71191

CONDITIONS

Operator: TAP ROCK OPERATING, LLC 523 Park Point Drive Golden, CO 80401	OGRID: 372043
	Action Number: 71191
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
rmarcus	None	1/10/2022