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	NCH1902835814
District RP	1RP-5301
Facility ID	
Application ID	pCH1902836088

Release Notification

Responsible Party

Responsible Party Cimarex Energy	OGRID 162683
Contact Name Christine Alderman	Contact Telephone 432-853-7059
Contact email calderman@cimarex.com	Incident # NCH1902835814 RED HILLS UNIT 16H @ 30-025-42324
Contact mailing address 600 N Marienfeld Ste 60, Midland, TX 79701	

Location of Release Source

Latitude 32.0911154 Longitude -103.5808688
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Red Hills Unit 16H	Site Type well pad
Date Release Discovered 12/5/2018	API# *(if applicable)* 30-025-42324

Unit Letter	Section	Township	Range	County
D	33	25S	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)

☐ Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
☒ Produced Water	Volume Released (bbls) 90	Volume Recovered (bbls) 60
	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
Approximately 90 bbls of produced water were released onto the pad due to the failure of both the automatic sand dump valves and the high level kill switch on the sand trap pit.

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

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? >25 bbls spilled.

If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?
Yes
Christine Alderman
Email – Olivia Yu, Christina Hernandez, Shelly Tucker, Jim Griswold

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: Christine Alderman Title: ESH Supervisor

Signature: Christine Alderman Date: 12/6/2018

email: calderman@cimarex.com Telephone: 432-853-7059

OCD Only

Received by: RECEIVED By CHernandez at 10:16 am, Jan 28, 2019

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

Location of spill: Red Hills 16 **Date of Spill:** 12/5/2018

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: [x]

Input Data:

	OIL:	WATER:
If spill volumes from measurement, i.e. metering, tank volumes, etc.are known enter the volumes here:	0.0000 BBL	0.0000 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	20 ft	X	50 ft	X	5 in	1%
Rectangle Area #2	20 ft	X	50 ft	X	4 in	1%
Rectangle Area #3	20 ft	X	50 ft	X	3 in	1%
Rectangle Area #4	20 ft	X	50 ft	X	3 in	1%
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

Did leak occur before the separator?: [ ] YES [x] N/A *(place an "X")*

Amount of Free Liquid Recovered: 60 BBL okay

Percentage of Oil in Free Liquid Recovered: 1% (percentage)

Liquid holding factor *: 0.14 gal per gal

Use the following when the spill wets the grains of the soil.
* sand = .08 gallon liquid per gallon volume of soil.
* gravelly (caliche) loam = .14 gallon liquid per gallon volume of soil.
* sandy clay loam soil = .14 gallon liquid per gallon volume of soil.
* clay loam = .16 gallon liquid per gallon volume of soil.

Use the following when the liquid completely fills the pore space of the soil:
Occures when the spill soaked soil is contained by barriers, natural (or not).
* gravelly (caliche) loam = .25 gallon liquid per gallon volume of soil.
* sandy loam = .5 gallon liquid per gallon volume of soil.

Saturated Soil Volume Calculations:

		H2O	OIL
Total Solid/Liquid Volume:	4,000 sq. ft.	1,238 cu. ft.	13 cu. ft.

Free Liquid Volume Calculations:

		H2O	OIL
Total Free Liquid Volume:	sq. ft.	.000 cu. ft.	.000 cu. ft.

Estimated Volumes Spilled

	H2O	OIL
Liquid in Soil:	30.9 BBL	0.3 BBL
Free Liquid:	58.2 BBL	1.8 BBL
Totals:	89.055 BBL	2.112 BBL
Total Liquid Spill Liquid:	90.000 BBL	2.112 BBL

Estimated Production Volumes Lost

	H2O	OIL
Estimated Production Spilled:	90.000000 BBL	0.000000 BBL

Estimated Surface Damage

Surface Area: 4,000 sq. ft.

Surface Area: .0918 acre

Recovered Volumes

Estimated oil recovered: 0.6 BBL check - okay

Estimated water recovered: 59.4 BBL check - okay

Estimated Weights, and Volumes

Saturated Soil =	140,000 lbs	1,250 cu.ft.	46 cu.yds.
Total Liquid =	92 BBL	3,868.69 gallon	32,188 lbs