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	nAPP2122123399
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party: Cimarex Energy Co. of Colorado	OGRID: 162683
Contact Name: Laci Luig	Contact Telephone: (432) 571-7800
Contact email: lluig@cimarex.com	Incident # *(assigned by OCD)* nAPP2122123399
Contact mailing address: 600 N Marienfeld Street, Ste. 600 Midland, TX 79701	

Location of Release Source

Latitude 32.33921 Longitude -103.68561

(NAD 83 in decimal degrees to 5 decimal places)

Site Name: Red Tank 4 Federal 1	Site Type: Battery
Date Release Discovered: 8/5/2021	API# *(if applicable)*

Unit Letter	Section	Township	Range	County
D	4	23S	32E	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) 75	Volume Recovered (bbls) 0
	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: Material Failure
A poly flow line developed a hole causing the release. Spilled 75 barrels of produced water outside containment (according to production numbers), recovered 0. A small amount of produced water did get off the pad.

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? Total amount released is greater than 25 barrels.

If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?
By: Gloria Garza
To: Mike Bratcher, Cristina Eads, Jim Griswold, Robert Hamlet, District 1 Spills and BLM
By: Email

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: Laci Luig Title: ESH Specialist

Signature: Laci Luig Date: 8/9/2021

email: lluig@cimarex.com Telephone: (432) 208-3035

OCD Only

Received by: Ramona Marcus Date: 8/20/2021

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2122123399
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Site Assessment/Characterization

This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release?	486 (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☒ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☒ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☒ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☒ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☒ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☒ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☒ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☒ No
Did the release impact areas **not** on an exploration, development, production, or storage site?	☐ Yes ☒ No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

Characterization Report Checklist: ***Each of the following items must be included in the report.***

- ☐ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- ☐ Field data
- ☐ Data table of soil contaminant concentration data
- ☐ Depth to water determination
- ☐ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- ☐ Boring or excavation logs
- ☐ Photographs including date and GIS information
- ☐ Topographic/Aerial maps
- ☐ Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

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Printed Name: Laci Luig Title: ESH Specialist

Signature: Laci Luig Date: 8/20/2021

email: lluig@cimarex.com Telephone: (432) 208-3035

OCD Only

Received by: Ramona Marcus Date: 8/20/2021

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Remediation Plan

Remediation Plan Checklist: ***Each of the following items must be included in the plan.***

- ☐ Detailed description of proposed remediation technique
- ☒ Scaled sitemap with GPS coordinates showing delineation points
- ☐ Estimated volume of material to be remediated
- ☐ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- ☐ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

Deferral Requests Only: ***Each of the following items must be confirmed as part of any request for deferral of remediation.***

☐ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.

☐ Extents of contamination must be fully delineated.

☐ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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Printed Name: Laci Luig Title: ESH Specialist

Signature: Laci Luig Date: 8/20/2021

email: lluig@cimarex.com Telephone: (432) 208-3035

OCD Only

Received by: Ramona Marcus Date: 8/20/2021

☐ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

Signature: Date:


Red Tank 4 Fed 1
API #30-025-40534
Cimarex Energy Co. of Colorado
Lea County, NM
Site Assessment Map
Legend
Red Tank 4
Spill
BG-6
BG-7
BG-5
S-3
S-8
S-4
Red Tank 4
S-7
S-2
S-5
BG-2
BG-1
BG-3
S-6
BG-4
N
200 ft
Google Earth

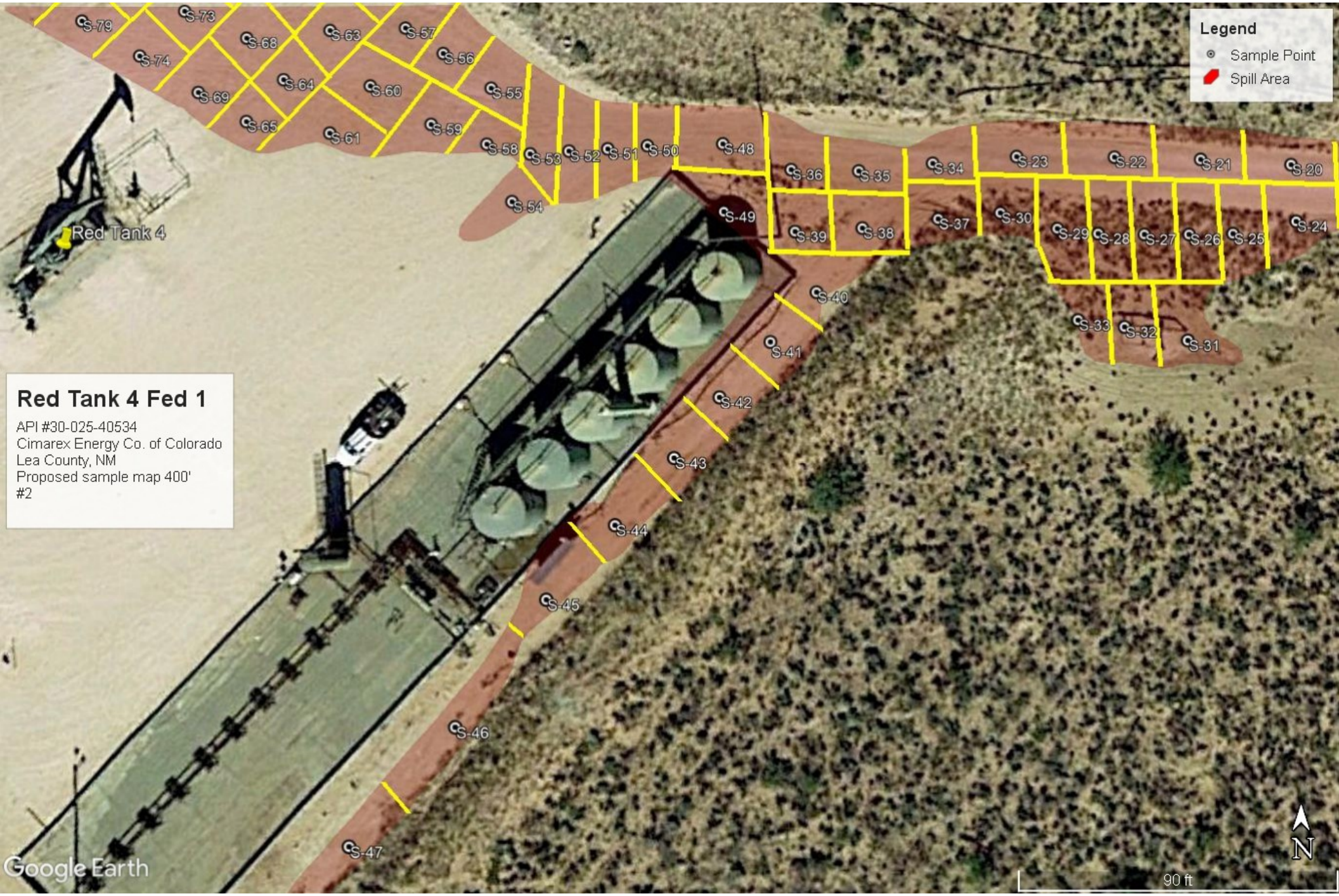
Sample ID	Sample Date	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
NMOCD Table 1 Closure Criteria 19.15.29 NMAC			50 mg/kg	10 mg/kg	DRO + GRO combined = 100 mg/kg			100 mg/kg	600 mg/kg
S-1	8/6/2021	0-1'	ND	ND	ND	ND	ND	0	4800
	8/6/2021	2'	ND	ND	ND	ND	ND	0	940
S-2	8/6/2021	0-1'	ND	ND	ND	ND	ND	0	2600
	8/6/2021	2'	ND	ND	ND	ND	ND	0	92
S-3	8/6/2021	0-1'	ND	ND	ND	ND	ND	0	4600
	8/6/2021	2'	ND	ND	ND	ND	ND	0	4500
	8/6/2021	3'	ND	ND	ND	ND	ND	0	7000
	8/17/2021	4'	ND	ND	ND	ND	ND	0	390
S-4	8/6/2021	0-1'	ND	ND	ND	ND	ND	0	2300
	8/6/2021	2'	ND	ND	ND	ND	ND	0	3900
	8/6/2021	3'	ND	ND	ND	ND	ND	0	4500
	8/17/2021	4'	ND	ND	ND	ND	ND	0	ND
S-5	8/6/2021	0-1'	ND	ND	ND	ND	ND	0	3300
	8/6/2021	2'	ND	ND	ND	ND	ND	0	3300
	8/6/2021	3'	ND	ND	ND	ND	ND	0	2900
	8/17/2021	4'	ND	ND	ND	ND	ND	0	330
	8/17/2021	5'	ND	ND	ND	ND	ND	0	ND
S-6	8/6/2021	0-1'	ND	ND	ND	ND	ND	0	2300
	8/6/2021	2'	ND	ND	ND	ND	ND	0	270
	8/6/2021	3'	ND	ND	ND	ND	ND	0	84
S-7	8/6/2021	0-1' R	ND	ND	ND	ND	ND	0	7100
S-8	8/6/2021	0-1'	ND	ND	ND	ND	ND	0	4300
	8/6/2021	2' R	ND	ND	ND	ND	ND	0	980
BG-1	8/6/2021	0-1'	ND	ND	ND	ND	ND	0	1000
BG-2	8/6/2021	0-1'	ND	ND	ND	ND	ND	0	ND
BG-3	8/6/2021	0-1'	ND	ND	ND	ND	ND	0	ND
BG-4	8/6/2021	0-1'	ND	ND	ND	ND	ND	0	ND
BG-5	8/6/2021	0-1'	ND	ND	ND	ND	ND	0	ND
BG-6	8/6/2021	0-1'	ND	ND	ND	ND	ND	0	1300
	8/17/2021	2'	ND	ND	ND	ND	ND	0	ND
BG-7	8/17/2021	0-1'	ND	ND	ND	ND	ND		71

ND = Analyte Not Detected R = Refusal with Hand Auger

1


Red Tank 4 Fed 1
API #30-025-40534
Cimarex Energy Co. of Colorado
Lea County, NM
Proposed sample map 400'
#1
Legend
Sample Point
Spill Area
S-21
S-20
S-19
S-18
S-17
S-16
S-15
S-14
S-13
S-12
S-11
S-10
S-9
S-8
S-7
S-6
S-5
S-4
S-3
S-2
S-1
S-24
S-25
S-26
S-27
S-31
Google Earth
N
90 ft

2


Legend
Sample Point
Spill Area
Red Tank 4
Red Tank 4 Fed 1
API #30-025-40534
Cimarex Energy Co. of Colorado
Lea County, NM
Proposed sample map 400'
#2
S-79
S-73
S-74
S-68
S-63
S-57
S-69
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S-32
S-31
S-41
S-42
S-43
S-44
S-45
S-46
S-47
Google Earth
N
90 ft

3


Red Tank 4 Fed 1
API #30-025-40534
Cimarex Energy Co. of Colorado
Lea County, NM
Proposed sample map 400'
#3
Legend
Sample Point
Spill Area
S-85
S-86
S-80
S-91
S-87
S-81
S-75
S-88
S-92
S-89
S-82
S-76
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S-69
S-65
S-61
S-59
S-58
S-53
S-52
S-51
S-50
S-54
Red Tank 4
Google Earth
N
90 ft

District I
1625 N. French Dr., Hobbs, NM 88240
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
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 43586

CONDITIONS

Operator: CIMAREX ENERGY CO. OF COLORADO 600 N. Marienfeld Street Midland, TX 79701	OGRID: 162683
	Action Number: 43586
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
chensley	Variance is approved to 400 sq/ft on composite samples. Please include variance sampling plan in your final report for approval.	9/20/2021
chensley	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141	9/20/2021