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	nAPP2121429384
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party: Cimarex Energy Co.	OGRID: 215099
Contact Name: Laci Luig	Contact Telephone: (432) 571-7800
Contact email: lluig@cimarex.com	Incident # *(assigned by OCD)* nAPP2121429384
Contact mailing address: 600 N Marienfeld Street, Ste. 600 Midland, TX 79701	

Location of Release Source

Latitude 32.23847 Longitude -103.62239

(NAD 83 in decimal degrees to 5 decimal places)

Site Name: Dos Equis 12 Federal Com	Site Type: Battery
Date Release Discovered: 8/1/2021	API# *(if applicable)*

Unit Letter	Section	Township	Range	County
A	12	24S	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) 110	Volume Recovered (bbls) 110
	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: Equipment Failure
The tanks at this facility high leveled, and the Protek safety system failed to shut down a water pump at the Dos Equis 11-1. The Dos Equis 11-1 was found in an alarm state, but communication failed. The water from the Dos Equis 11-1 is sent to the Dos Equis 12. Total released 110 barrels of produced water onto lined containment, all fluids were recovered. Protek and Klein Automation were called out to address the failure. The containment will be washed and a liner inspection scheduled.

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 of release 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, Robert Hamlet 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: 8/2/2021

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

OCD Only

Received by: Ramona Marcus Date: 9/13/2021

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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?	34 (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.

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Page 4

State of New Mexico
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Printed Name: Laci Luig Title: ESH Specialist

Signature: Laci Luig Date: 8/17/2021

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

OCD Only

Received by: Ramona Marcus Date: 9/13/2021

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Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

Closure Report Attachment Checklist: ***Each of the following items must be included in the closure report.***

☐ A scaled site and sampling diagram as described in 19.15.29.11 NMAC

☐ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)

☐ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)

☐ Description of remediation activities

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. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Laci Luig Title: ESH Specialist

Signature: Laci Luig Date: 8/17/2021

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

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Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: Chad Hensley Date: 10/06/2021

Printed Name: Chad Hensley Title: Environmental Specialist Advanced

NAPP2121429384

From: Laci Luig
To: Mike Bratcher, EMNRD; Chad Hensley, EMNRD; Robert Hamlet, EMNRD; BLM NM CFO Spill
Subject: Liner Inspection - Dos Equis 12 Fed Com Battery
Date: Monday, August 2, 2021 10:20:42 AM

A liner inspection at the Dos Equis 12 Federal Com Battery has been scheduled for Wednesday, August 4th at 10:00am (MST)

Incident ID: nAPP2121429384
Coordinates: 32.23847, -103.62239

Thank you,

Laci Luig
ESH Specialist
Cimarex Energy
Mobile (432) 208-3035
Office (432) 571-7810
lluig@cimarex.com

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

Location of spill: Dos Equis 12 Fed Com Battery **Date of Spill:** 8/1/2021

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:

	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	0 ft	X	0 ft	X	0.00 in	0%
Rectangle Area #2	0 ft	X	0 ft	X	0.00 in	0%
Rectangle Area #3	0 ft	X	0 ft	X	0.00 in	0%
Rectangle Area #4	0 ft	X	0 ft	X	0.00 in	0%
Rectangle Area #5	0 ft	X	0 ft	X	0.00 in	0%
Rectangle Area #6	0 ft	X	0 ft	X	0.00 in	0%
Rectangle Area #7	0 ft	X	0 ft	X	0.00 in	0%
Rectangle Area #8	0 ft	X	0 ft	X	0.00 in	0%

Standing Liquid Calculations

Standing Liquid Area	width		length		liquid depth	oil (%)
Rectangle Area #1	50 ft	X	283 ft	X	0.52 in	0%
Rectangle Area #2	0 ft	X	0 ft	X	0.00 in	0%
Rectangle Area #3	0 ft	X	0 ft	X	0.00 in	0%
Rectangle Area #4	0 ft	X	0 ft	X	0.00 in	0%
Rectangle Area #5	0 ft	X	0 ft	X	0.00 in	0%
Rectangle Area #6	0 ft	X	0 ft	X	0.00 in	0%
Rectangle Area #7	0 ft	X	0 ft	X	0.00 in	0%
Rectangle Area #8	0 ft	X	0 ft	X	0.00 in	0%

ERROR - Standing Liquid Area larger than Total Area, Review Data Input

Production Data NOT Required

Average Daily Production: Oil 0 BBL Water 0 BBL

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

Amount of Free Liquid Recovered: 0 BBL okay

Percentage of Oil in Free Liquid Recovered: 0% (percentage)

Liquid holding factor *: 0.16 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:	sq. ft.	cu. ft.	cu. ft.

Free Liquid Volume Calculations:

		H2O	OIL
Total Free Liquid Volume:	14,150 sq. ft.	616.704 cu. ft.	.000 cu. ft.

Estimated Volumes Spilled

	H2O	OIL
Liquid in Soil:	0.0 BBL	0.0 BBL
Free Liquid:	109.8 BBL	0.0 BBL
Totals:	109.832 BBL	0.000 BBL
Total Liquid Spill Liquid:	109.832 BBL	0.000 BBL

Estimated Production Volumes Lost

	H2O	OIL
Estimated Production Spilled:	0.000000 BBL	0.000000 BBL

Estimated Surface Damage

Surface Area: 14,150 sq. ft.

Surface Area: .3248 acre

Recovered Volumes

Estimated oil recovered: 0.0 BBL check - okay

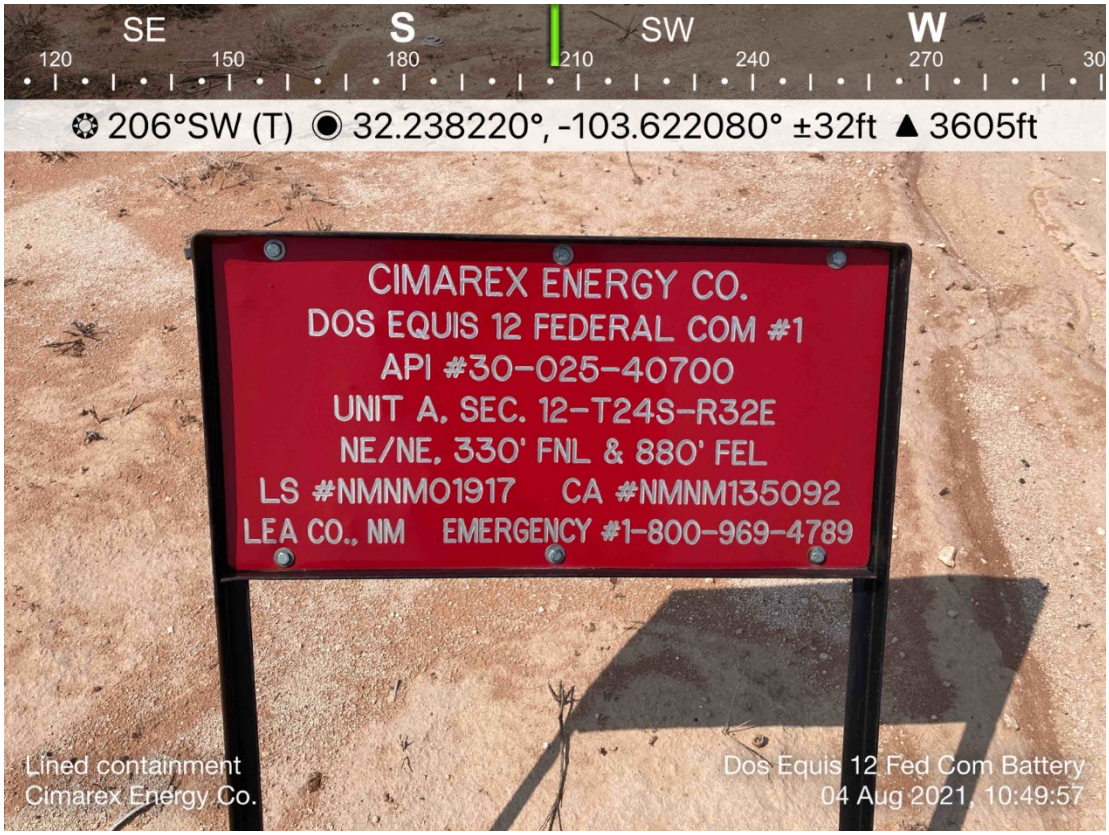
Estimated water recovered: 0.0 BBL check - okay

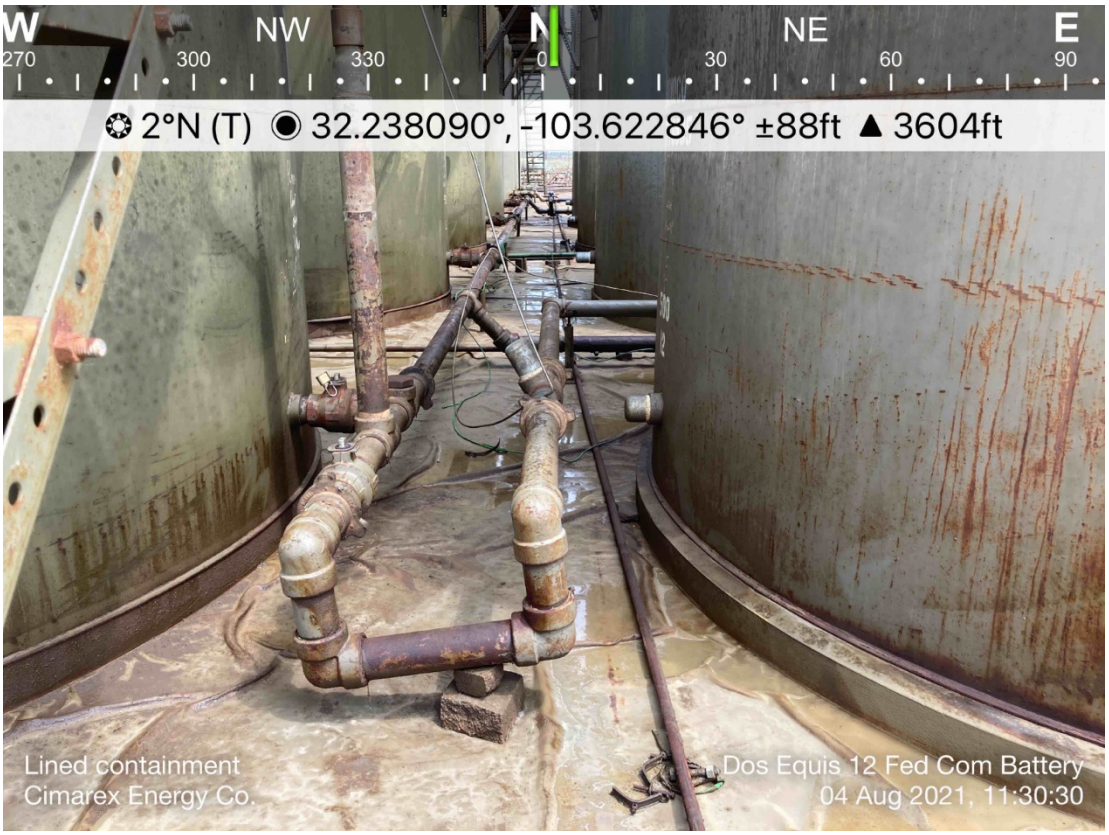
Estimated Weights, and Volumes

Saturated Soil =	lbs	cu.ft.	cu.yds.
Total Liquid =	110 BBL	4,612.95 gallon	38,380 lbs

CIMAREX ENERGY
DOS EQUIS 12 FEDERAL COM
BATTERY
LEA, NM

NAPP2121429384





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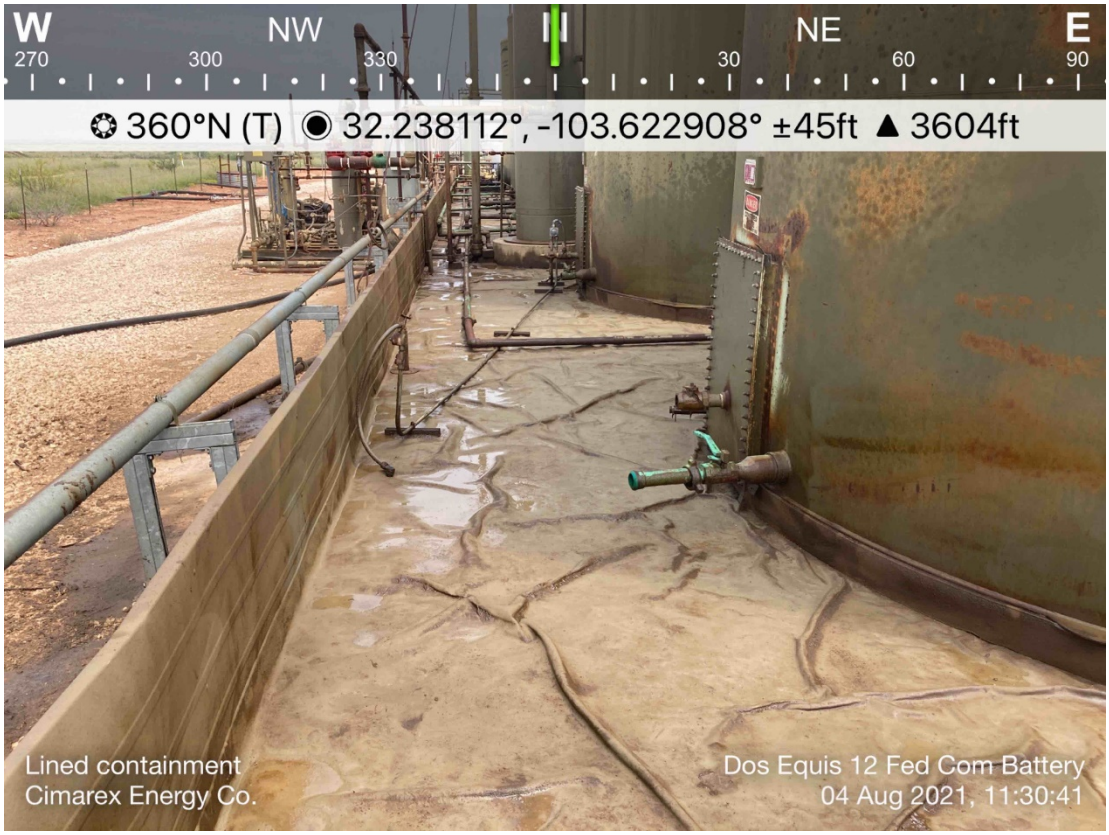

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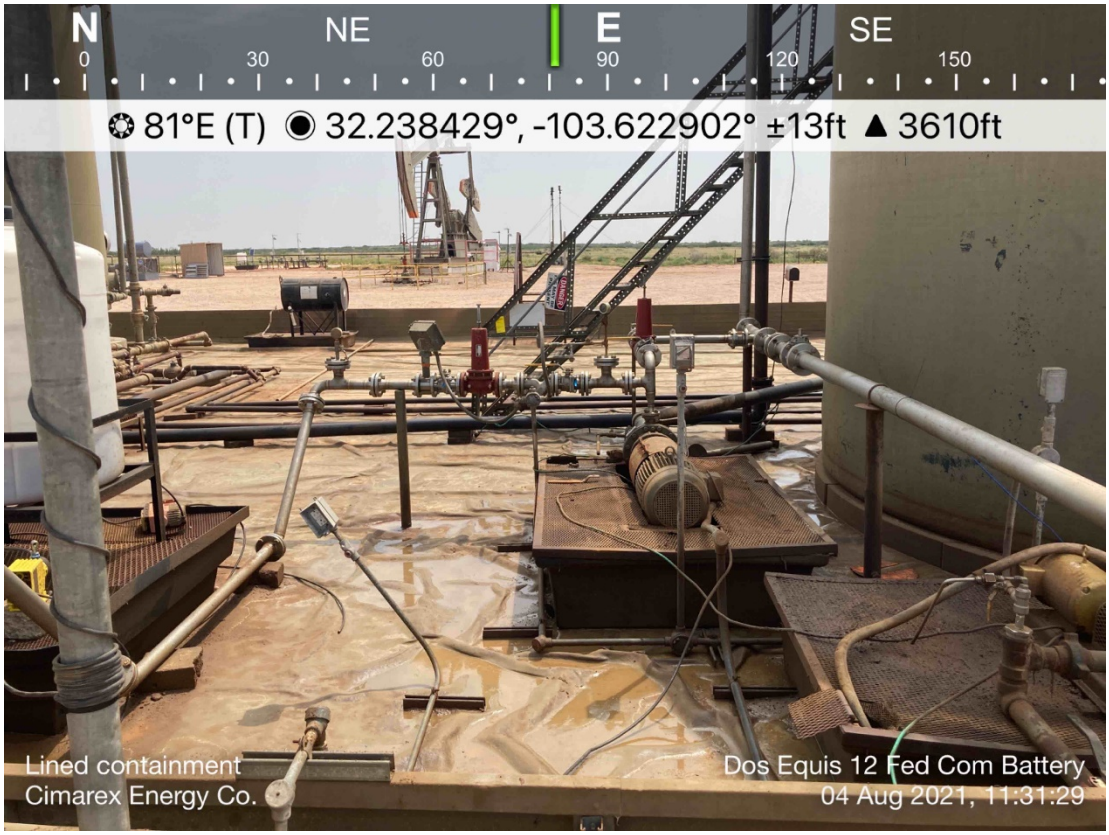

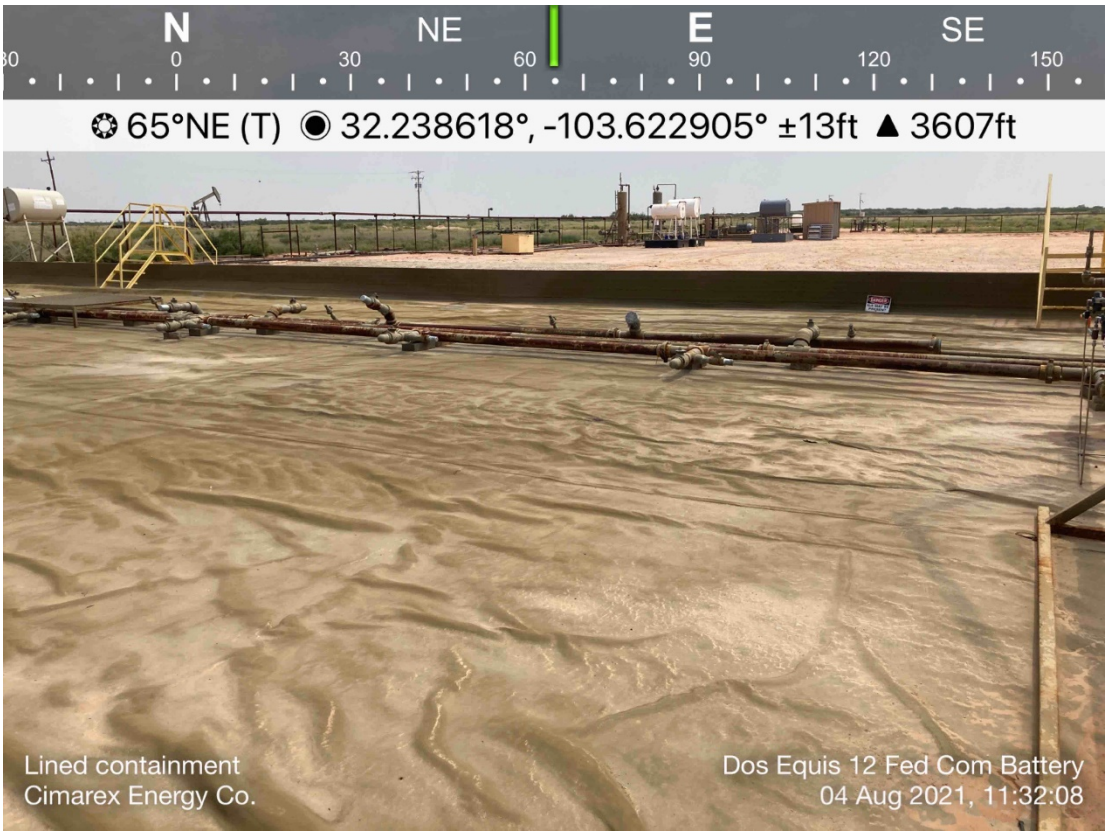

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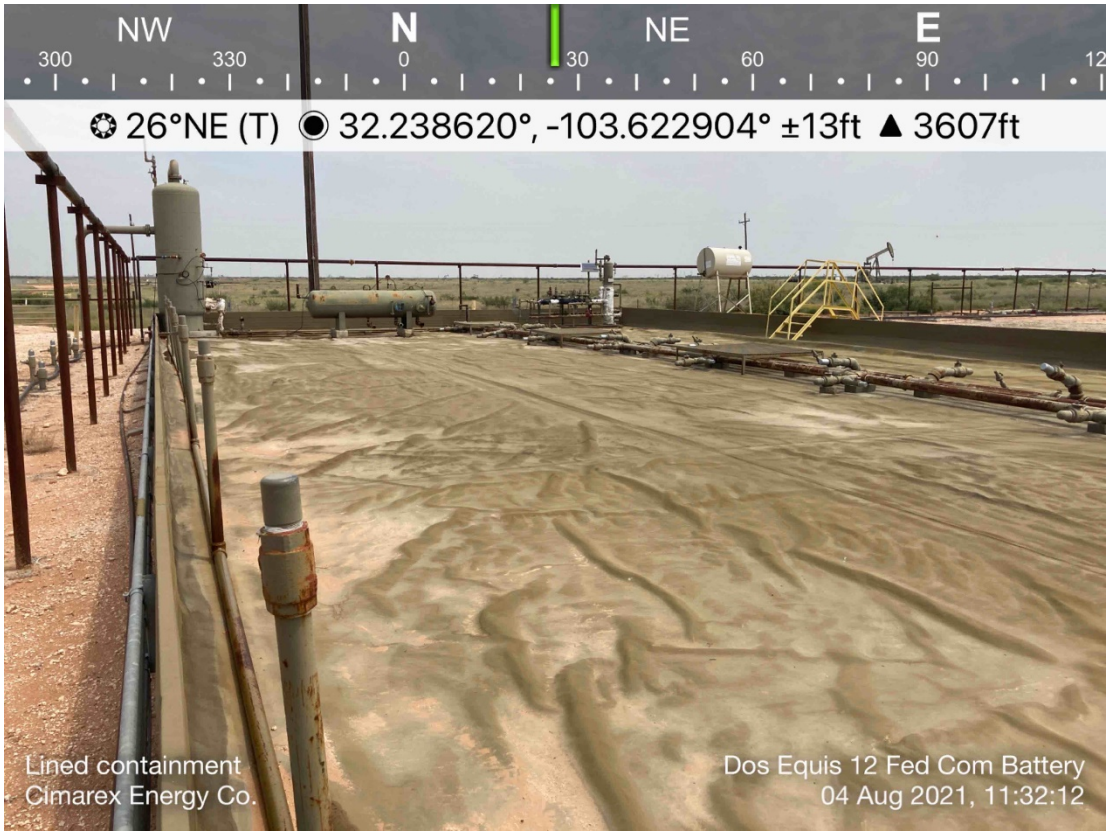

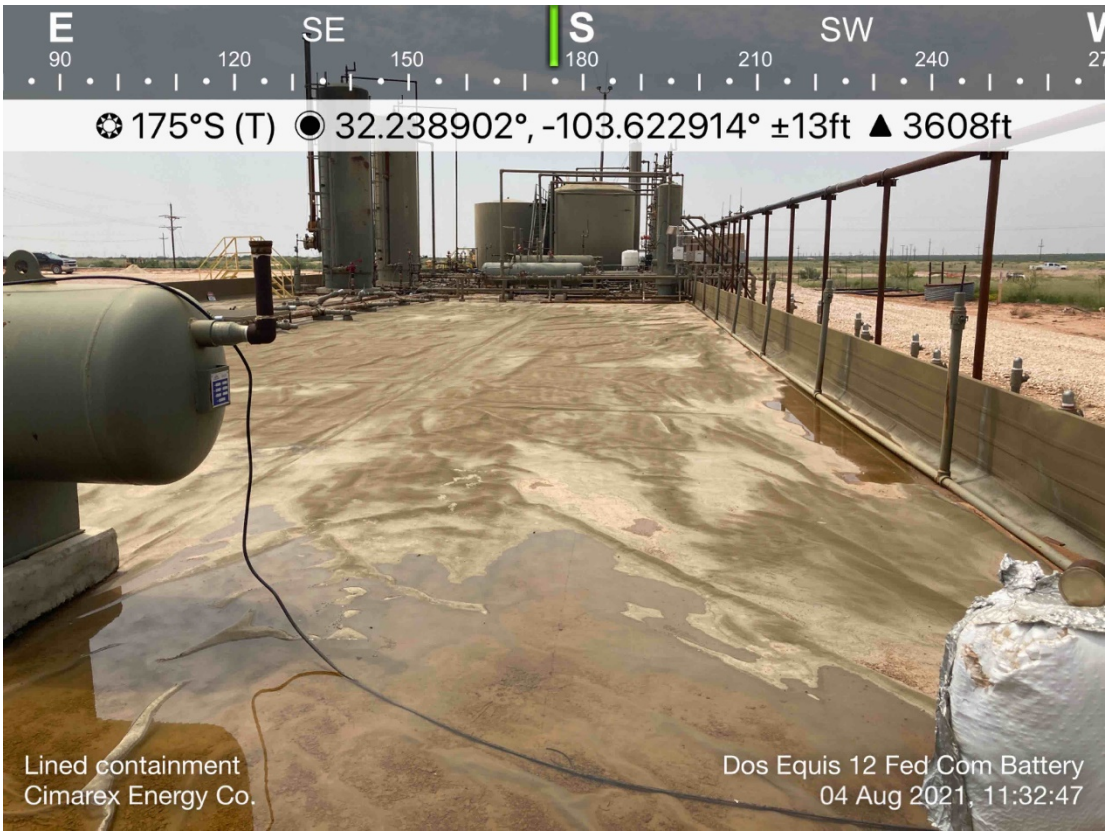

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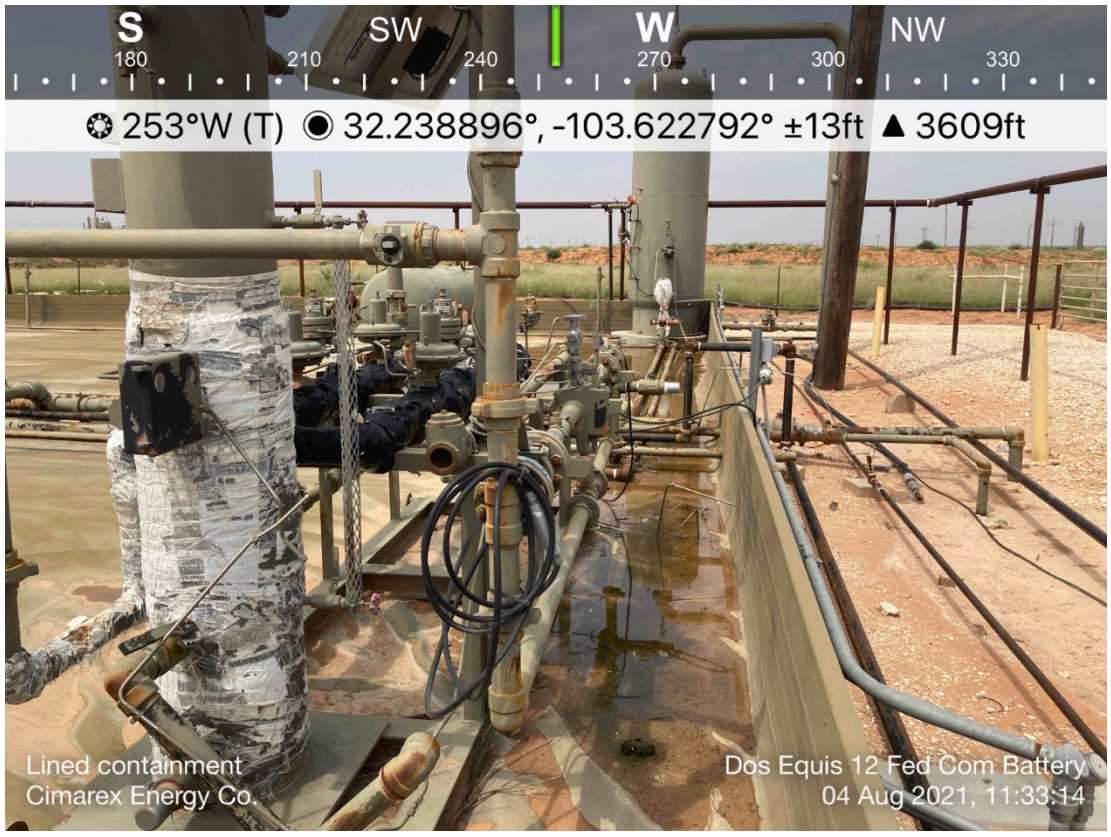

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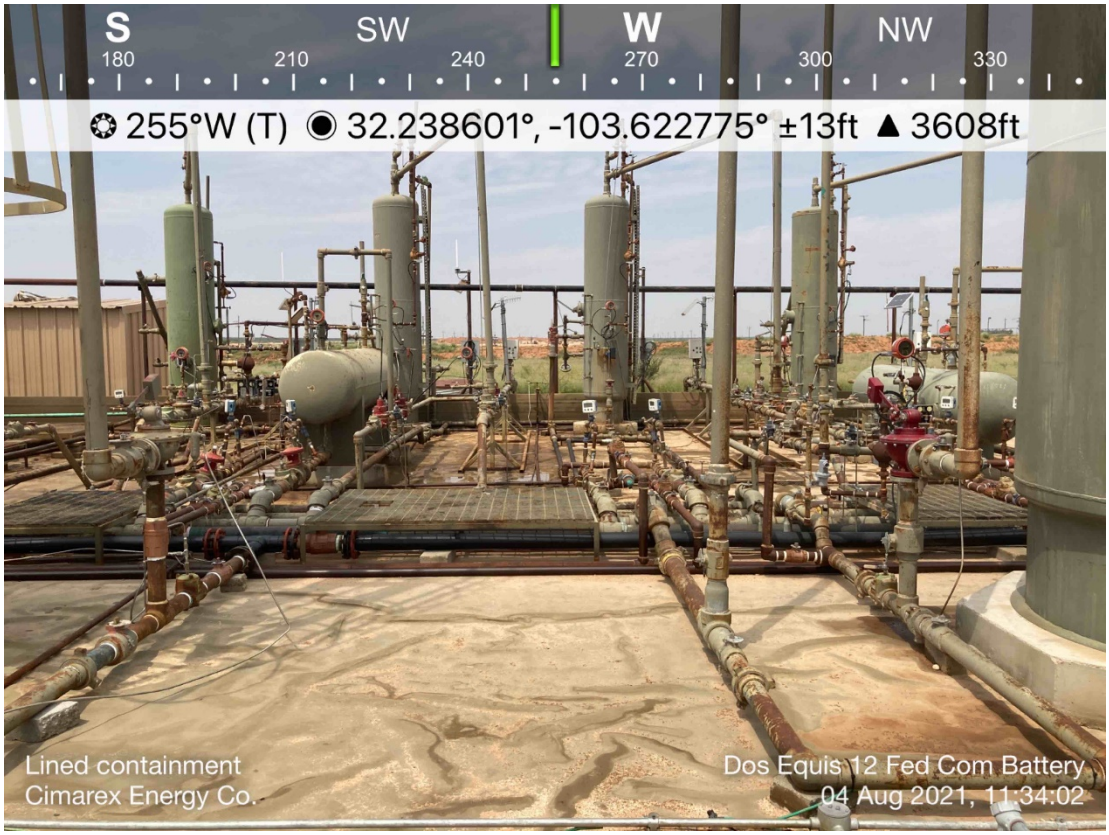

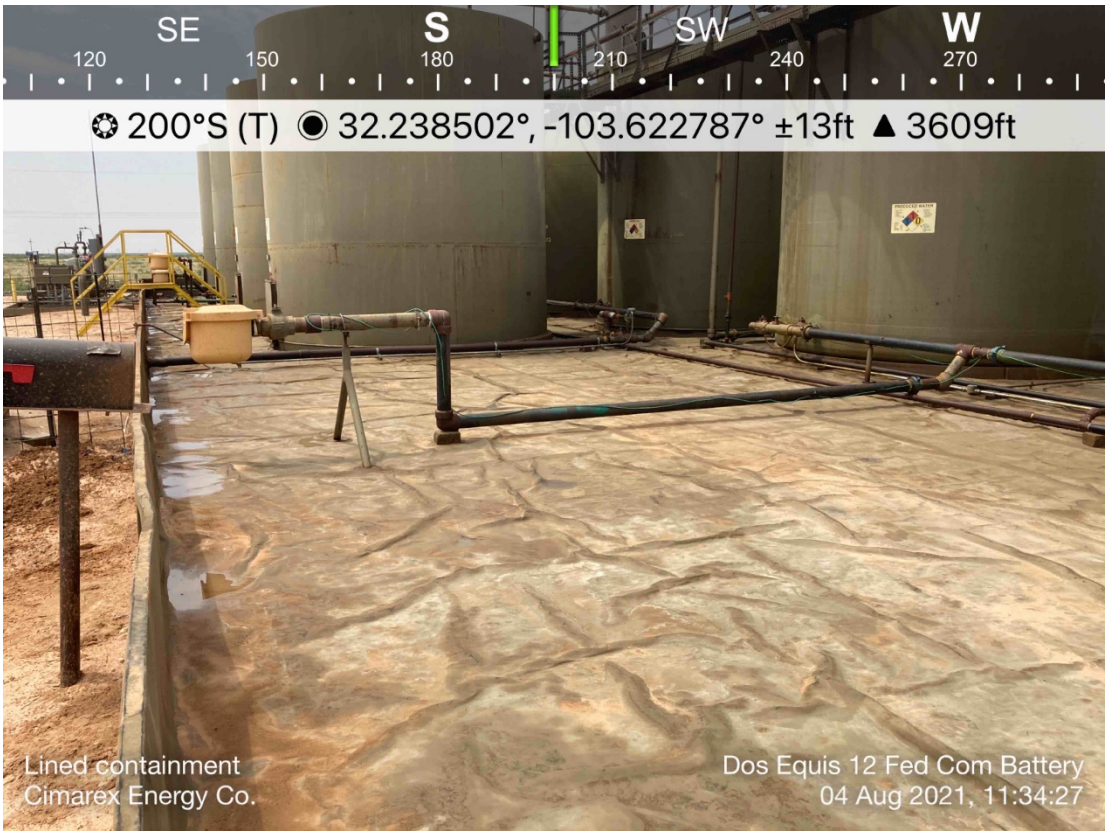

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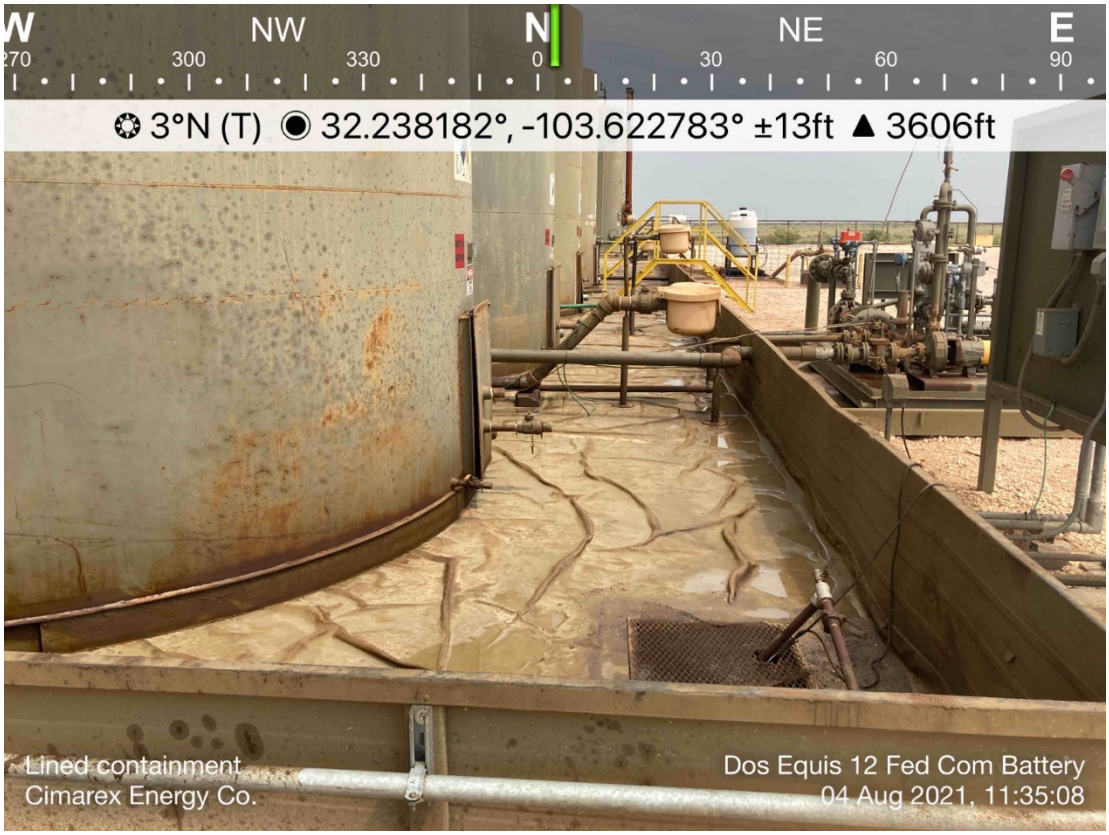

District I
1625 N. French Dr., Hobbs, NM 88240
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811 S. First St., Artesia, NM 88210
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1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., 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

Operator: CIMAREX ENERGY CO. 600 N. Marienfeld Street Midland, TX 79701	OGRID: 215099
	Action Number: 47931
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
chensley	None	10/6/2021