

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	nAPP2114748831
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: llug@cimarex.com	Incident # (assigned by OCD) nAPP2114748831
Contact mailing address: 600 N Marienfeld Street, Ste. 600 Midland, TX 79701	

### Location of Release Source

Latitude 32.111807 Longitude -103.60132  
(NAD 83 in decimal degrees to 5 decimal places)

Site Name: Vaca Draw 20-17 Federal	Site Type: Battery
Date Release Discovered: 5/26/2021	API# (if applicable)

Unit Letter	Section	Township	Range	County
M	20	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)

<input checked="" type="checkbox"/> Crude Oil	Volume Released (bbls) 126	Volume Recovered (bbls) 126
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 314	Volume Recovered (bbls) 314
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release: Corrosion

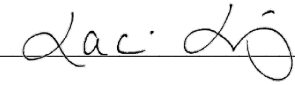
A hole developed on the bottom side of a welded spool on back of the gun barrel tank. Released 126 barrels oil and 314 barrels water into the lined containment. A vacuum truck recovered all fluids and pumped back into a tank. The tank was then gauged to determine the total loss of 440 barrels. The gun barrel has been taken out of service for inspection and repairs. The containment is scheduled to be cleaned.

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Was this a major release as defined by 19.15.29.7(A) NMAC?  <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release? Total 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: Laci Luig To: Mike Bratcher, Chad Hensley, 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*

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> 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: 	Date: 5/27/2021
email: llug@cimarex.com	Telephone: (432) 208-3035
<b><u>OCD Only</u></b>	
Received by: Ramona Marcus	Date: 7/7/2021

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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?	<u>233</u> (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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.

State of New Mexico  
Oil Conservation Division

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Printed Name: Laci Luig\_\_\_\_\_ Title: ESH Specialist\_\_\_\_\_

Signature: Laci Luig\_\_\_\_\_ Date: 7/6/2021\_\_\_\_\_

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

**OCD Only**Received by: Ramona Marcus\_\_\_\_\_ Date: 7/7/2021\_\_\_\_\_

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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: 7/6/2021 \_\_\_\_\_

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

### OCD Only

Received by: Ramona Marcus \_\_\_\_\_ Date: 7/7/2021 \_\_\_\_\_

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: 07/21/2021 \_\_\_\_\_

Printed Name: Chad Hensley \_\_\_\_\_ Title: Environmental Specialist Advanced \_\_\_\_\_

**From:** [Laci Luig](#)  
**To:** [Mike Bratcher, EMNRD](#); [Cristina Eads, EMNRD](#); [Robert Hamlet, EMNRD](#); [BLM NM CFO Spill](#); [Hensley, Chad, EMNRD](#)  
**Cc:** [Gloria Garza](#); [Christian Carnott](#)  
**Subject:** Liner Inspection - Vaca Draw 20-17 Federal Battery  
**Date:** Monday, June 28, 2021 9:26:40 AM

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A liner inspection at the Vaca Draw 20-17 Battery has been scheduled for Thursday, July 1<sup>st</sup> at 8:00 am (MST)

Incident ID: nAPP2114748831  
Coordinates: 32.111807, -103.60132

Thank you,

Laci Luig  
(432) 208-3035

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**From:** Laci Luig <lluig@cimarex.com>  
**Sent:** Thursday, May 27, 2021 3:58 PM  
**To:** Mike Bratcher, EMNRD <mike.bratcher@state.nm.us>; Cristina Eads, EMNRD <cristina.eads@state.nm.us>; Robert Hamlet, EMNRD <robert.hamlet@state.nm.us>; BLM NM CFO Spill <BLM\_NM\_CFO\_Spill@blm.gov>; Hensley, Chad, EMNRD <Chad.Hensley@state.nm.us>  
**Cc:** Gloria Garza <ggarza@cimarex.com>; Christian Carnott <CCarnott@cimarex.com>  
**Subject:** Cimarex Reportable - Vaca Draw 20-17 Federal Battery

All,

We had a reportable release at our Vaca Draw 20-17 Federal battery. A hole developed on the bottom side of a welded spool on back of the gun barrel tank. Released 126 barrels oil and 314 barrels water into the lined containment. A vacuum truck recovered all fluids and pumped back into a tank. The tank was then gauged to determine the total loss of 440 barrels. The gun barrel has been taken out of service for inspection and repairs. The containment is scheduled to be cleaned.

Thank you,

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

NAPP2114748831

Vaca Draw 20-17 Federal 5/6 Battery

Release Date: 5/26/2021

Gun Barrel Size	750 bbls			
	2.76 bbls/in.			
	<b>Ft.</b>	<b>In.</b>	<b>Total In.</b>	<b>Total Bbls</b>
Top Gauge	13	3.5	159.5	440
Oil Cut			28.53%	126
Water Cut			71.47%	315

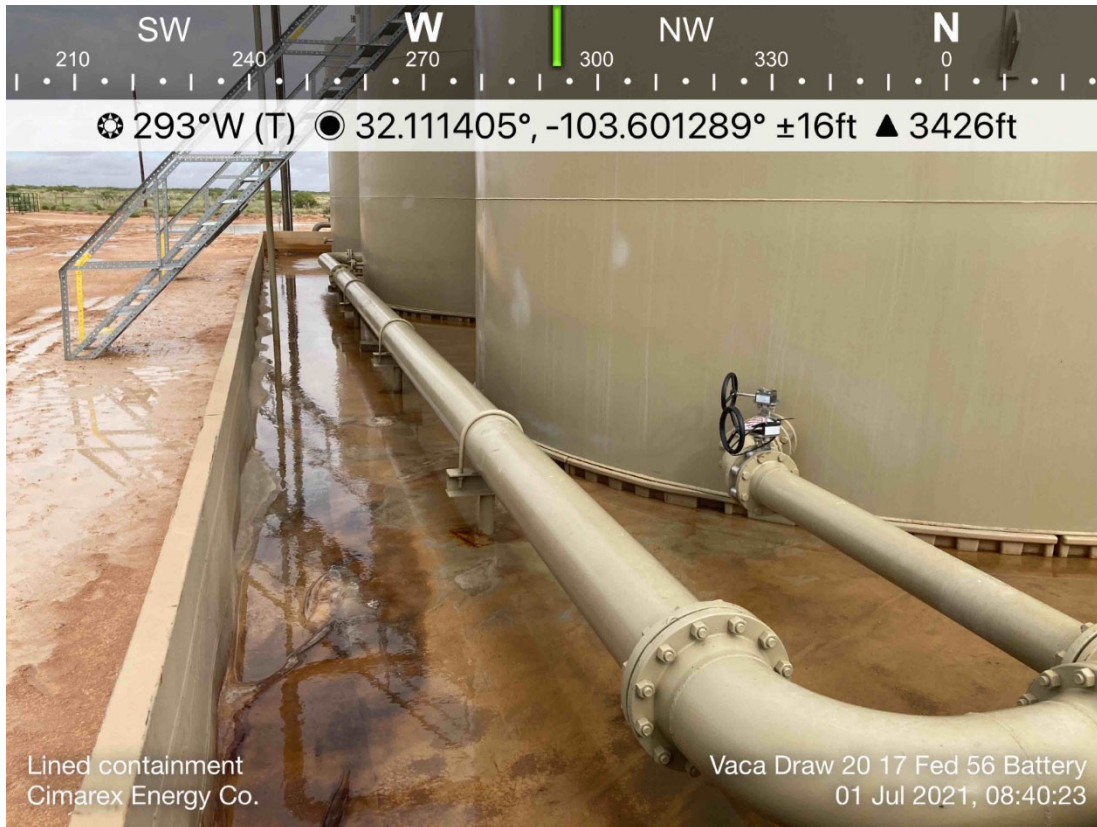




CIMAREX ENERGY  
VACA DRAW 20-17 FEDERAL  
5H-6H,43H-45H,71H-73H BATTERY  
LEA, NM

NAPP2114748831

**RAIN WATER INSIDE CONTAINMENT**



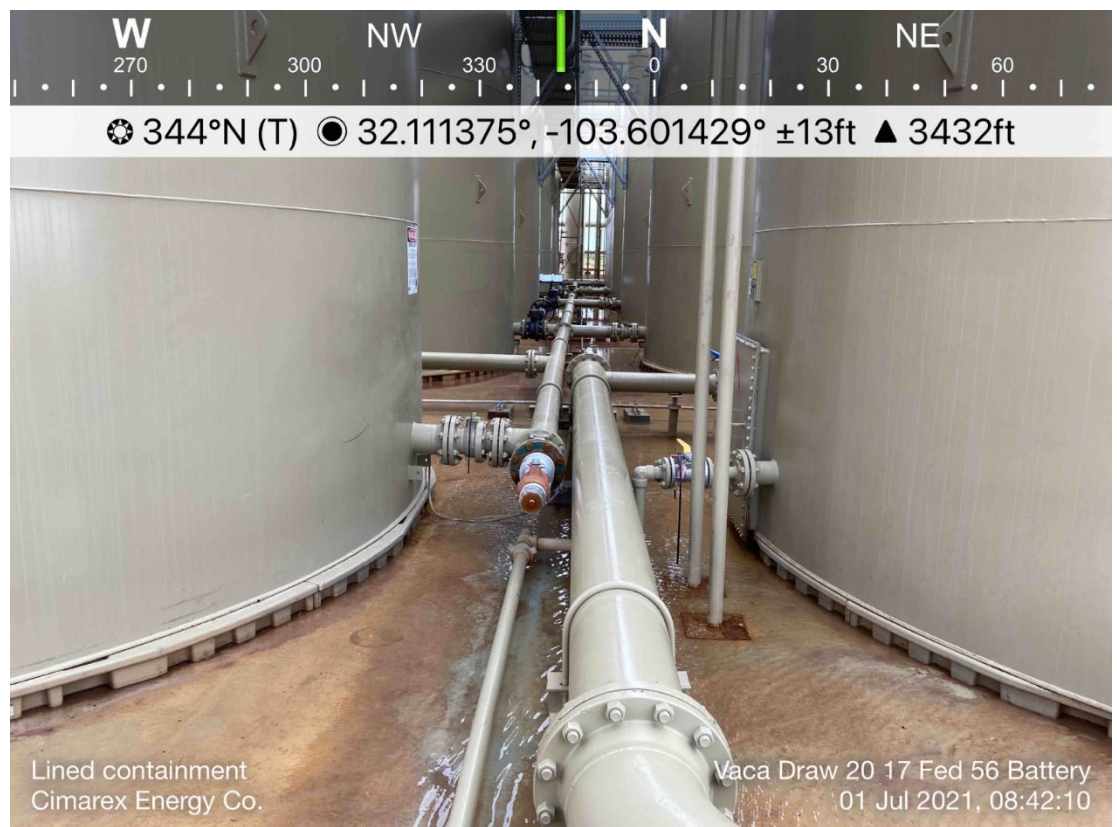




CIMAREX ENERGY  
VACA DRAW 20-17 FEDERAL  
5H-6H,43H-45H,71H-73H BATTERY  
LEA, NM

NAPP2114748831

**RAIN WATER INSIDE CONTAINMENT**







CIMAREX ENERGY  
VACA DRAW 20-17 FEDERAL  
5H-6H,43H-45H,71H-73H BATTERY  
LEA, NM

NAPP2114748831

**RAIN WATER INSIDE CONTAINMENT**



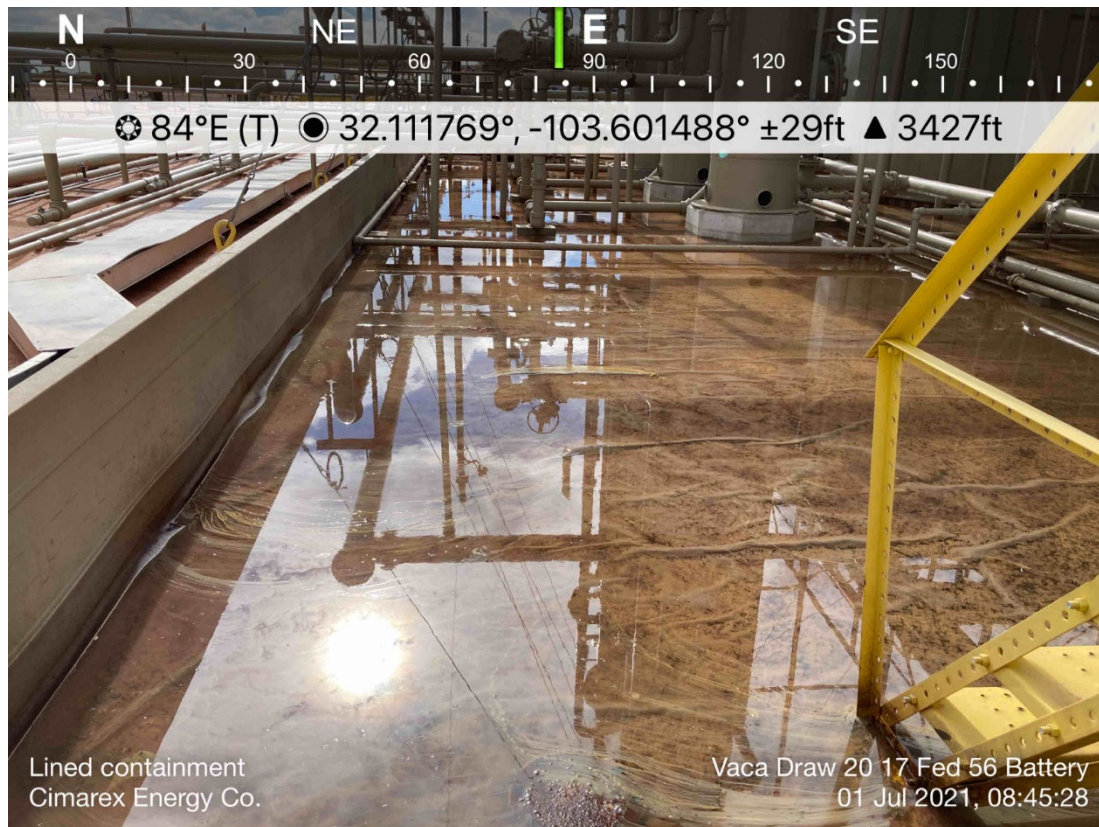




CIMAREX ENERGY  
VACA DRAW 20-17 FEDERAL  
5H-6H,43H-45H,71H-73H BATTERY  
LEA, NM

NAPP2114748831

**RAIN WATER INSIDE CONTAINMENT**



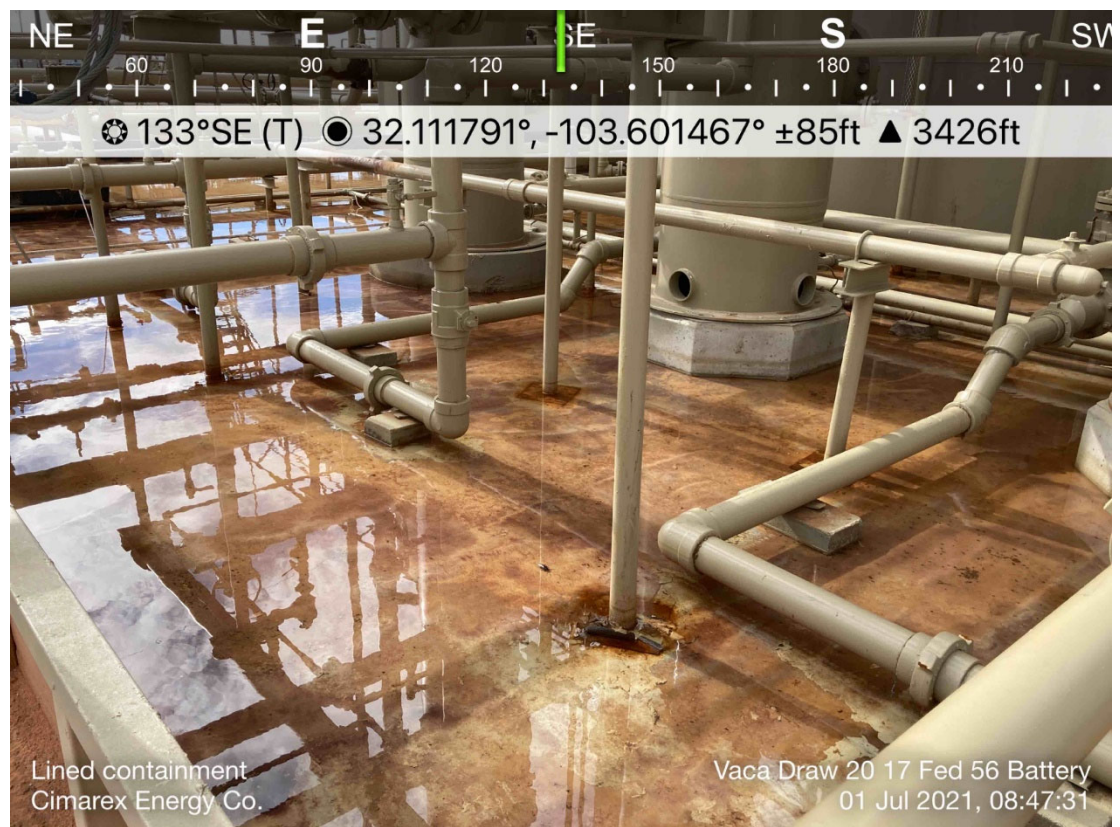
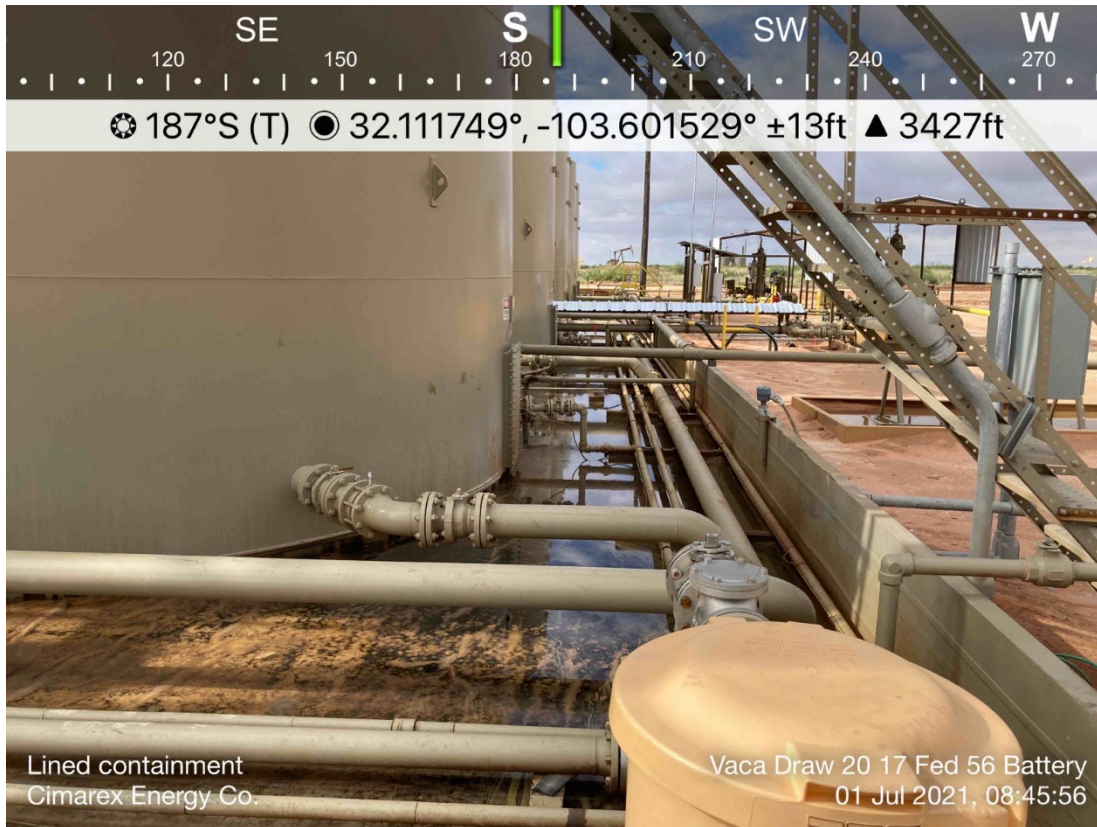




CIMAREX ENERGY  
VACA DRAW 20-17 FEDERAL  
5H-6H,43H-45H,71H-73H BATTERY  
LEA, NM

NAPP2114748831

**RAIN WATER INSIDE CONTAINMENT**



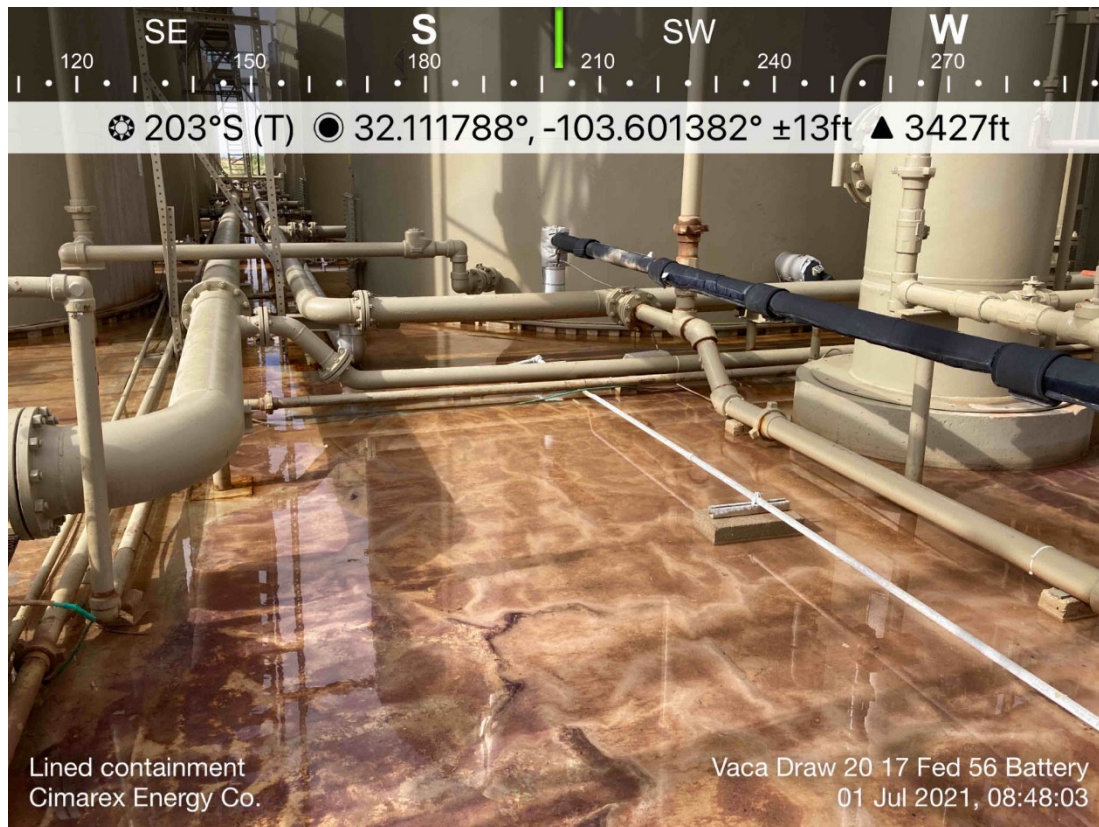




CIMAREX ENERGY  
VACA DRAW 20-17 FEDERAL  
5H-6H,43H-45H,71H-73H BATTERY  
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**RAIN WATER INSIDE CONTAINMENT**





CIMAREX ENERGY  
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LEA, NM

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**RAIN WATER INSIDE CONTAINMENT**





**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 35054

**CONDITIONS**

Operator: CIMAREX ENERGY CO. 600 N. Marienfeld Street Midland, TX 79701	OGRID: 215099
	Action Number: 35054
	Action Type: [C-141] Release Corrective Action (C-141)

**CONDITIONS**

Created By	Condition	Condition Date
chensley	None	7/21/2021