

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 | nAPP2116730492 |
| 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) nAPP2116730492 |
| Contact mailing address: 600 N Marienfeld Street, Ste. 600 Midland, TX 79701 | |

Location of Release Source

Latitude 32.68828 _____ Longitude -103.59607 _____
(NAD 83 in decimal degrees to 5 decimal places)

| | |
|--------------------------------------|----------------------|
| Site Name: Pipeline Deep 6 Federal 1 | Site Type: Battery |
| Date Release Discovered: 6/14/2021 | API# (if applicable) |

| Unit Letter | Section | Township | Range | County |
|-------------|---------|----------|-------|--------|
| J | 6 | 19S | 34E | 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 type="checkbox"/> Crude Oil | Volume Released (bbls) | Volume Recovered (bbls) |
| <input checked="" type="checkbox"/> Produced Water | Volume Released (bbls) 118 | Volume Recovered (bbls) 116 |
| | 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: Mechanical Failure

A 2" check valve coming off a 3rd party water line riser failed, causing water from the pipeline to back flow into the water tank through a bypass line. All piping and valves have been replaced. Total calculated spilled 118 barrels water. A vacuum truck recovered 116 barrels water and a hydrovac is scheduled to remove impacted gravel and properly dispose. A liner inspection will be 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? <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 release 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 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:  _____ Date: 6/16/2021 _____
 email: lluig@cimarex.com _____ Telephone: (432) 208-3035 _____

OCD Only
 Received by: Ramona Marcus _____ Date: 7/29/2021 _____

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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? | _243_ (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 not 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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| | |
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Printed Name: Laci Luig _____ Title: ESH Specialist _____

Signature: Laci Luig _____ Date: 7/26/2021 _____

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

OCD Only

Received by: Ramona Marcus _____ Date: 7/29/2021 _____

| | |
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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:  Date: 7/26/2021

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

OCD Only

Received by: Ramona Marcus Date: 7/29/2021

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:  Date: 08/30/2021

Printed Name: Chad Hensley Title: Environmental Specialist Advanced

NAPP2116730492

From: [Laci Luig](#)
To: [Mike Bratcher, EMNRD](#); [Chad Hensley, EMNRD](#); [Cristina Eads, EMNRD](#); [Robert Hamlet, EMNRD](#); [BLM NM CFO Spill](#)
Subject: Liner Inspection - Pipeline Deep 6 Federal 1
Date: Friday, July 2, 2021 11:40:58 AM

A liner inspection at the Pipeline Deep 6 Federal 1 Battery has been scheduled for Wednesday, July 7th at 2pm (MST).

Incident ID: nAPP2116730492
Coordinates: 32.68828, -103.59607

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: Pipeline Deep 6 Federal 1

Date of Spill: 6/14/2021

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:

If spill volumes from measurement, i.e. metering, tank volumes, etc. are known enter the volumes here: **OIL:** 0.0000 BBL **WATER:** 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 | | | | | | Standing Liquid Calculations | | | | | |
|-------------------------|---------|---------|----------------|---------|--|------------------------------|---------|---------|--------------|---------|--|
| Total Surface Area | width | length | wet soil depth | oil (%) | | Standing Liquid Area | width | length | liquid depth | oil (%) | |
| Rectangle Area #1 | 10 ft X | 65 ft X | 0.50 in | 0% | | Rectangle Area #1 | 10 ft X | 65 ft X | 4.00 in | 0% | |
| Rectangle Area #2 | 10 ft X | 65 ft X | 0.50 in | 0% | | Rectangle Area #2 | 10 ft X | 65 ft X | 4.00 in | 0% | |
| Rectangle Area #3 | 8 ft X | 36 ft X | 0.50 in | 0% | | Rectangle Area #3 | 8 ft X | 36 ft X | 4.00 in | 0% | |
| Rectangle Area #4 | 10 ft X | 36 ft X | 0.50 in | 0% | | Rectangle Area #4 | 10 ft X | 36 ft X | 4.00 in | 0% | |
| Rectangle Area #5 | 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 #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 #7 | 0 ft X | 0 ft X | 0.00 in | 0% | |
| Rectangle Area #8 | 0 ft X | 0 ft X | 0.00 in | 0% | | Rectangle Area #8 | 0 ft X | 0 ft X | 0.00 in | 0% | |

okay

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:
 Occurs 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.

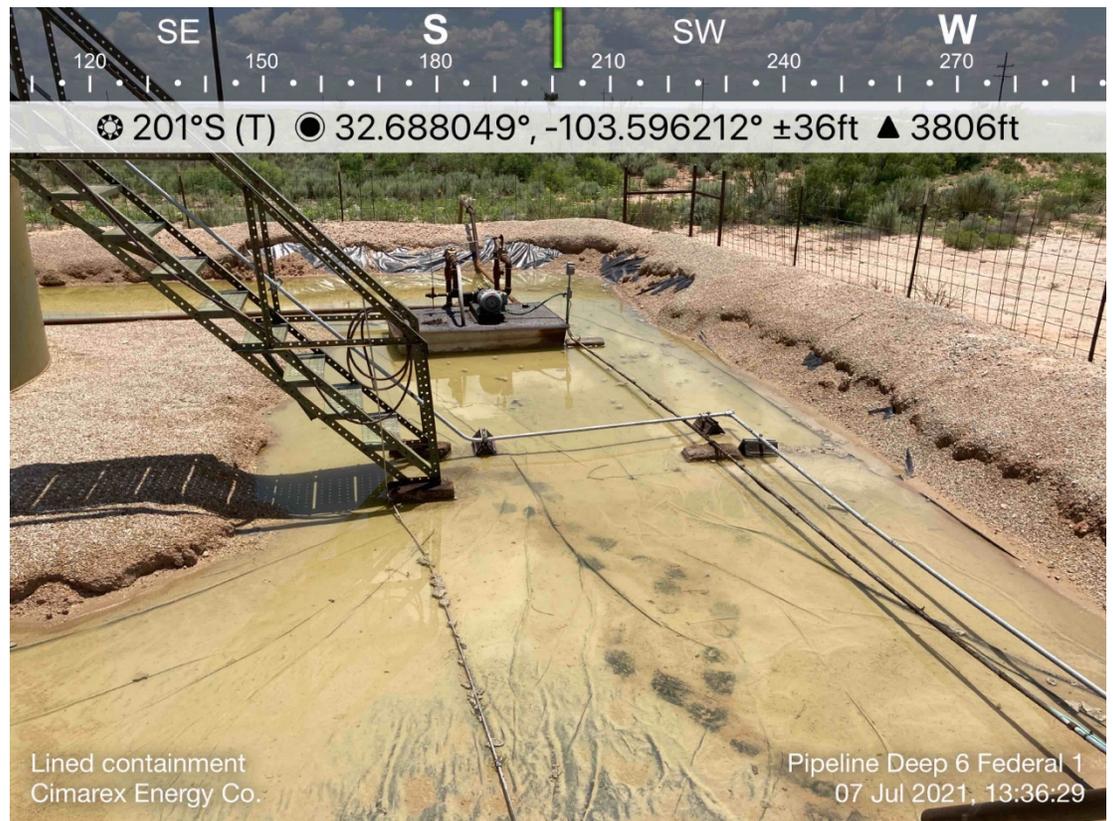
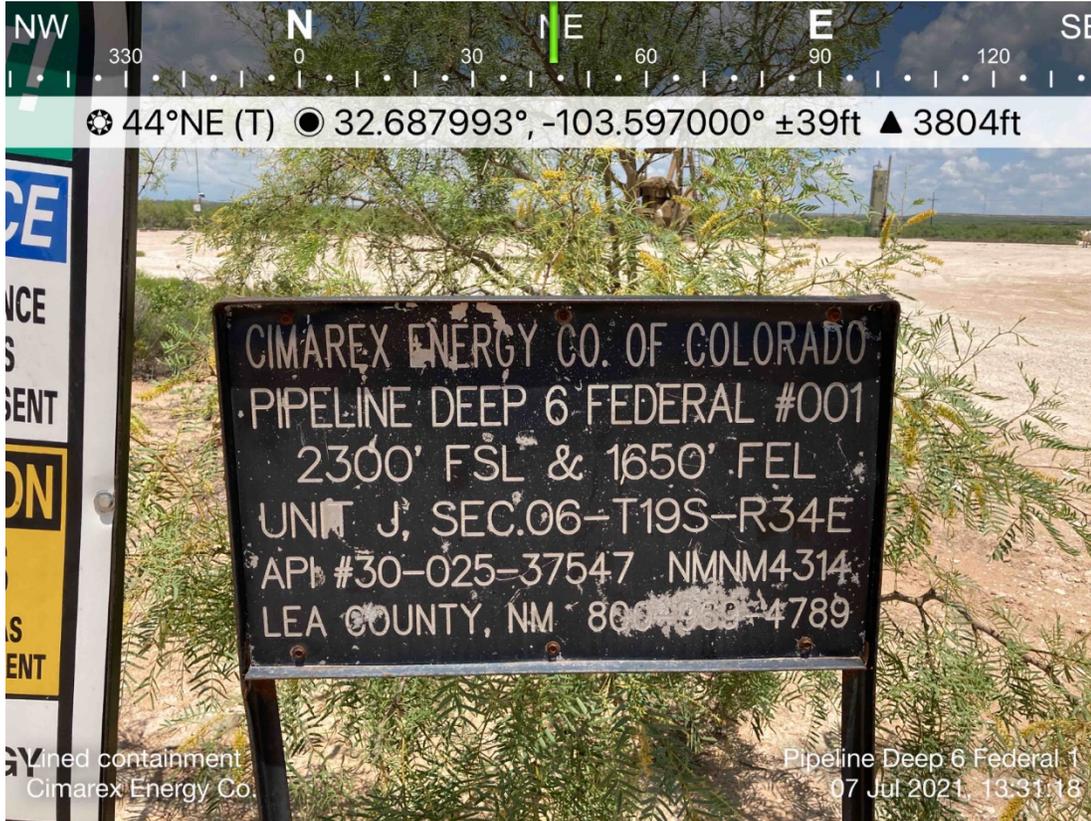
| <u>Saturated Soil Volume Calculations:</u> | | | <u>Free Liquid Volume Calculations:</u> | | |
|--------------------------------------------|--------------------|---------------------|------------------------------------------|------------------------|------------------------|
| Total Solid/Liquid Volume: | <u>H2O</u> | <u>OIL</u> | Total Free Liquid Volume: | <u>H2O</u> | <u>OIL</u> |
| 1,948 sq. ft. | 81 cu. ft. | cu. ft. | 1,948 sq. ft. | 649.333 cu. ft. | .000 cu. ft. |
| <u>Estimated Volumes Spilled</u> | | | <u>Estimated Production Volumes Lost</u> | | |
| Liquid in Soil: | <u>2.3</u> BBL | <u>0.0</u> BBL | Estimated Production Spilled: | <u>0.000000</u> BBL | <u>0.000000</u> BBL |
| Free Liquid: | <u>115.6</u> BBL | <u>0.0</u> BBL | <u>Estimated Surface Damage</u> | | |
| Totals: | 117.956 BBL | 0.000 BBL | Surface Area: | <u>1,948</u> sq. ft. | |
| Total Liquid Spill Liquid: | 117.956 BBL | 0.000 BBL | Surface Area: | <u>.0447</u> acre | |
| <u>Recovered Volumes</u> | | | <u>Estimated Weights, and Volumes</u> | | |
| Estimated oil recovered: | <u>0.0</u> BBL | check - okay | Saturated Soil = | <u>9,091</u> lbs | <u>81</u> cu.ft. |
| Estimated water recovered: | <u>0.0</u> BBL | check - okay | Total Liquid = | <u>118</u> BBL | <u>4,954.15</u> gallon |
| | | | | | <u>3</u> cu.yds. |
| | | | | | <u>41,219</u> lbs |



CIMAREX ENERGY
PIPELINE DEEP 6 FEDERAL
1 BATTERY
LEA, NM

NAPP2116730492

RAIN WATER INSIDE CONTAINMENT

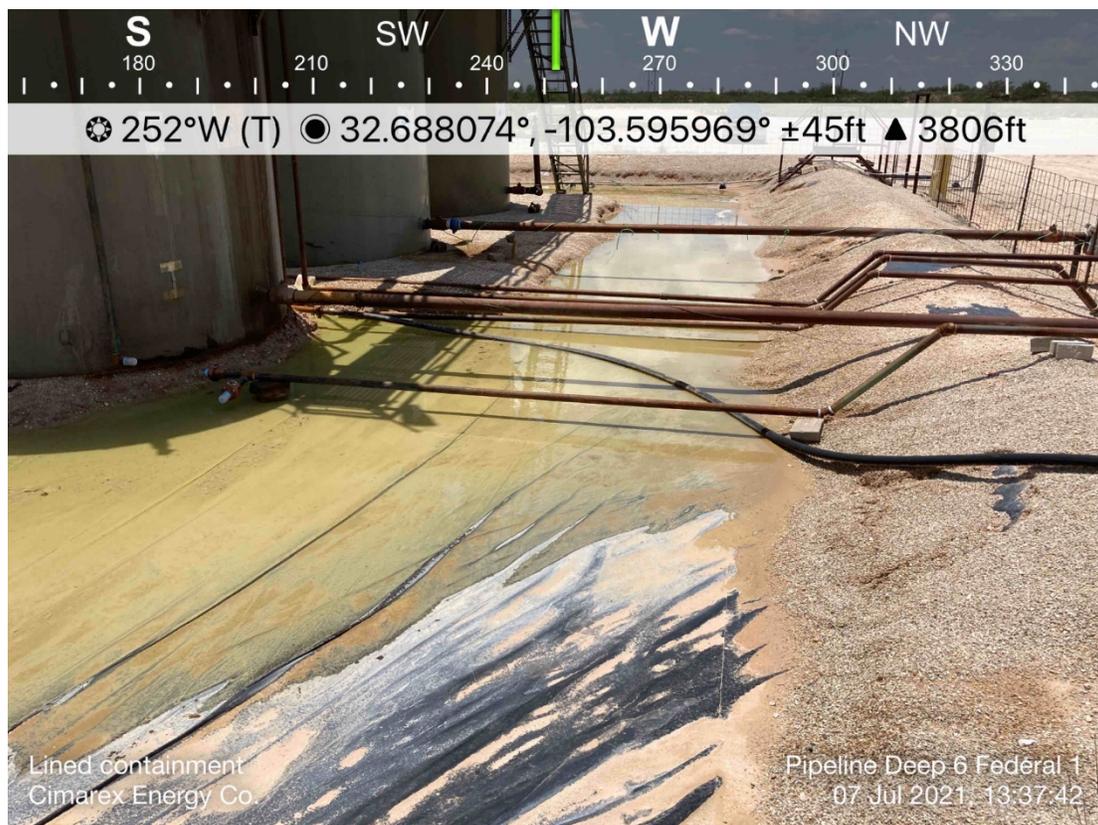
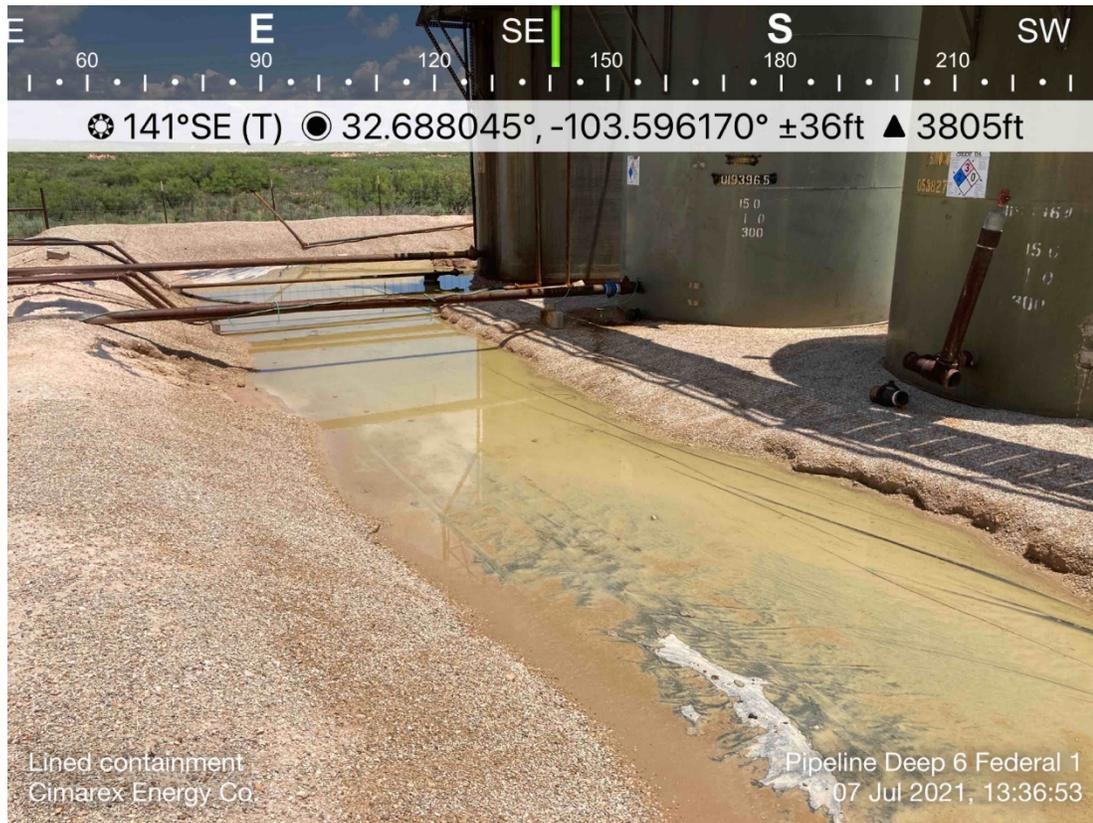




CIMAREX ENERGY
PIPELINE DEEP 6 FEDERAL
1 BATTERY
LEA, NM

NAPP2116730492

RAIN WATER INSIDE CONTAINMENT

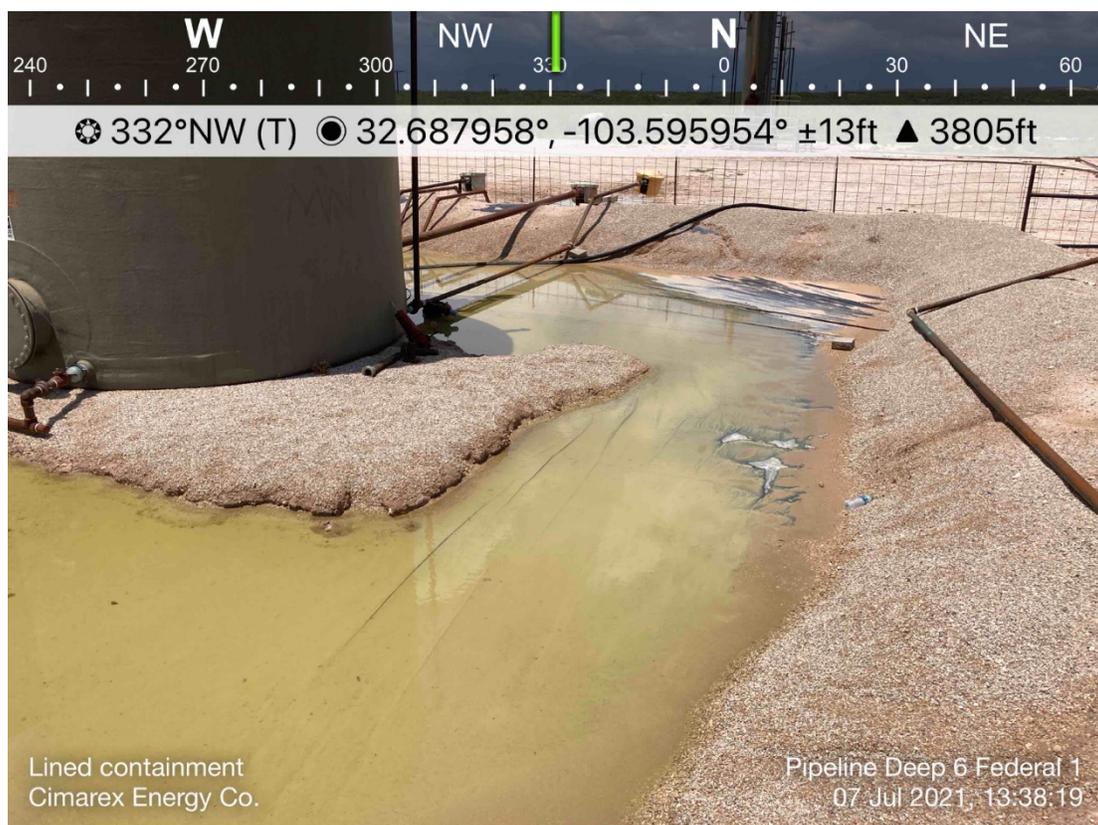




CIMAREX ENERGY
PIPELINE DEEP 6 FEDERAL
1 BATTERY
LEA, NM

NAPP2116730492

RAIN WATER INSIDE CONTAINMENT

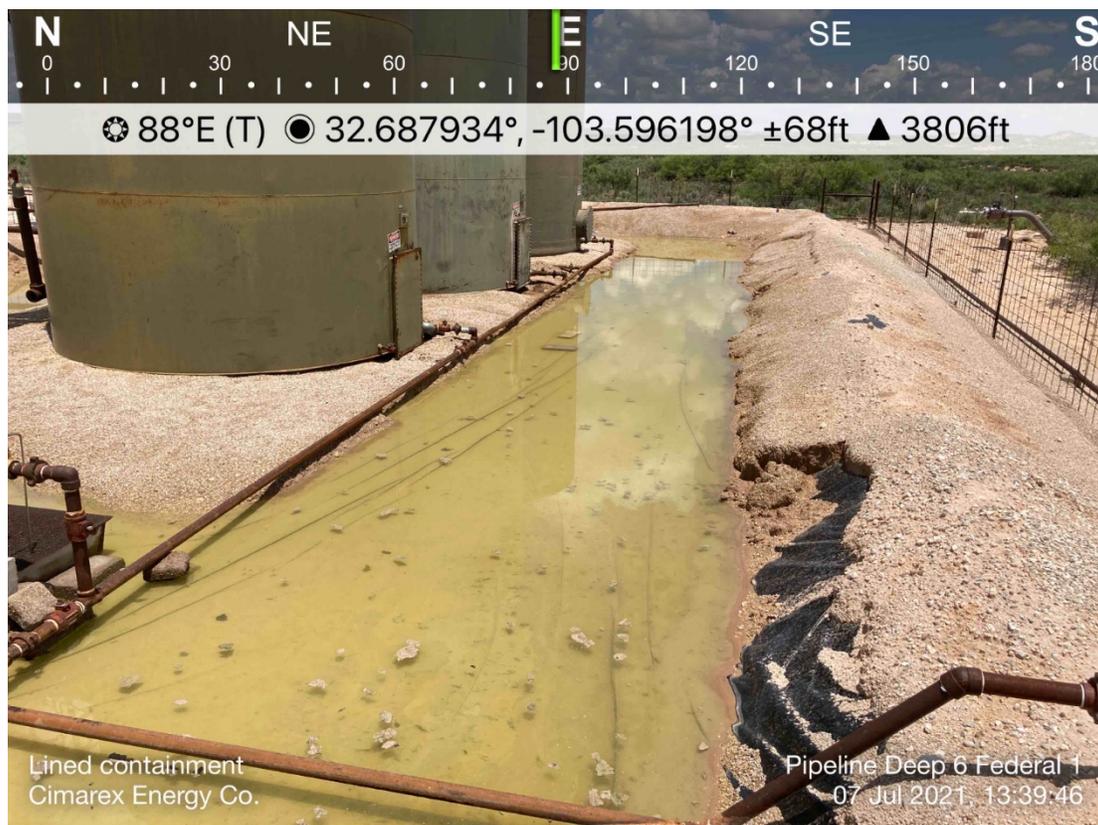
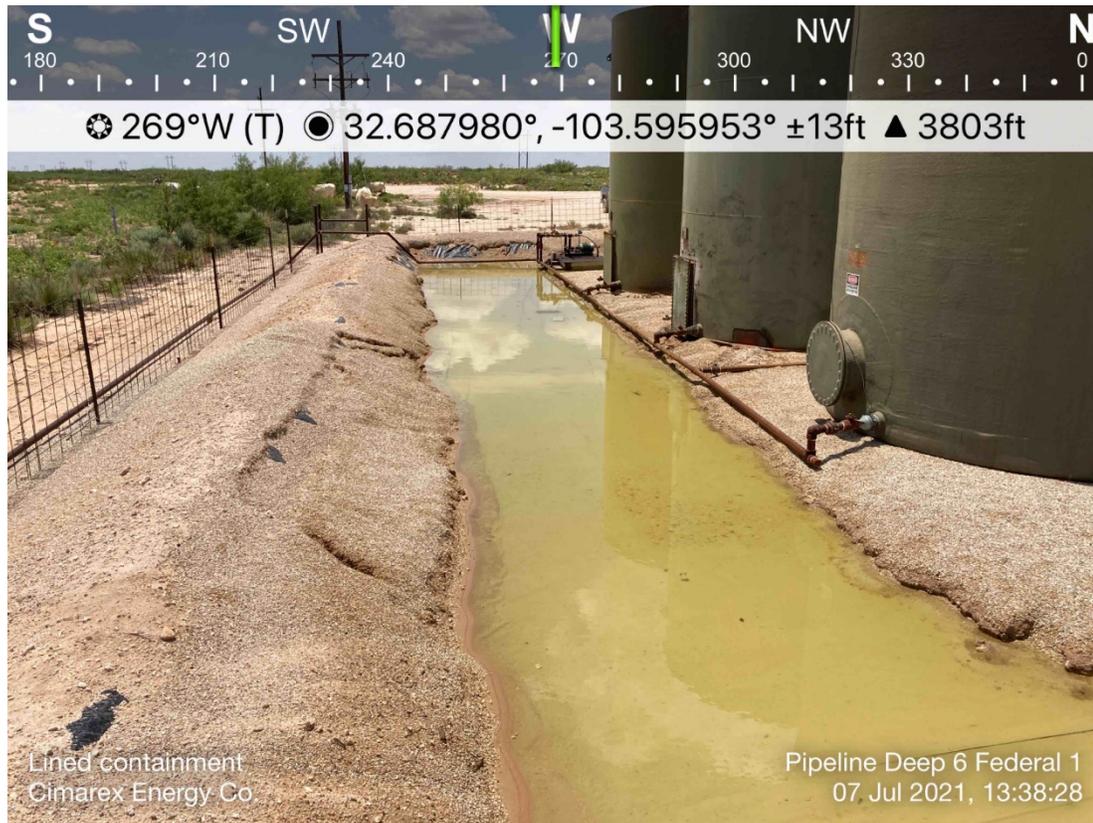




CIMAREX ENERGY
PIPELINE DEEP 6 FEDERAL
1 BATTERY
LEA, NM

NAPP2116730492

RAIN WATER INSIDE CONTAINMENT

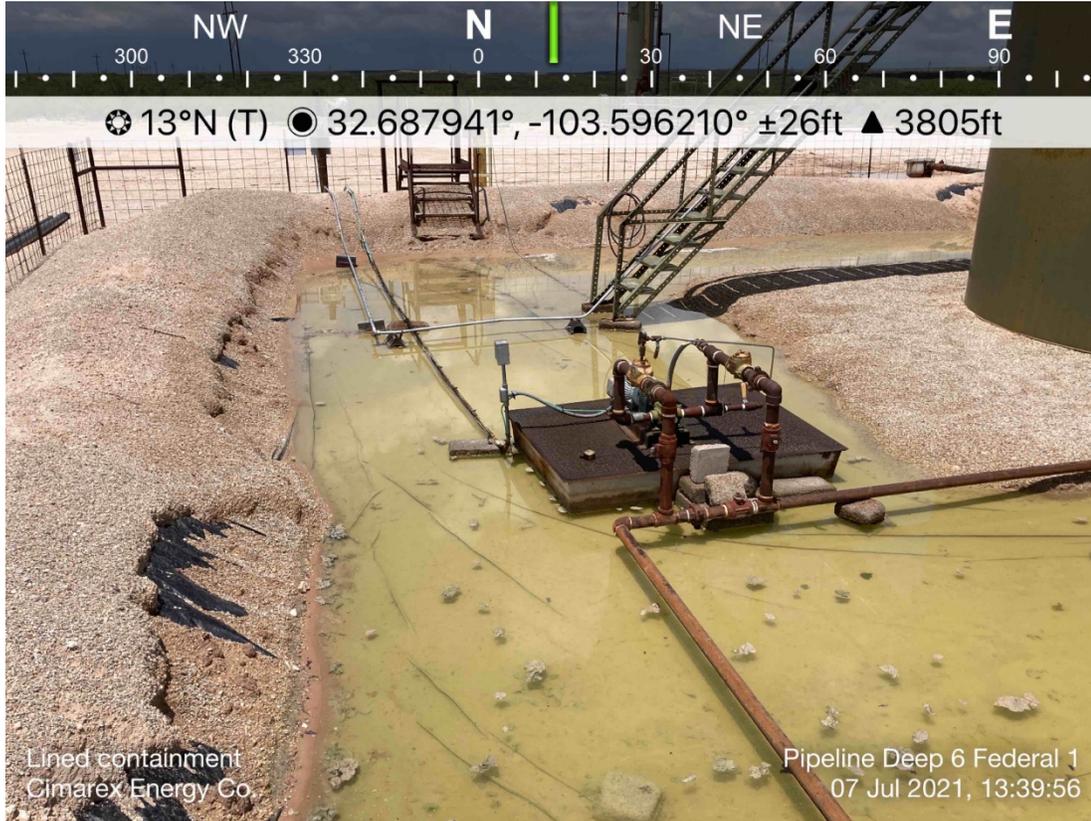




CIMAREX ENERGY
PIPELINE DEEP 6 FEDERAL
1 BATTERY
LEA, NM

NAPP2116730492

RAIN WATER INSIDE CONTAINMENT



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 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 38207

CONDITIONS

| | |
|----------------------------------------------------------------------------------------------|-----------------------------------------------------------|
| Operator: CIMAREX ENERGY CO. OF COLORADO 600 N. Marienfeld Street Midland, TX 79701 | OGRID: 162683 |
| | Action Number: 38207 |
| | Action Type: [C-141] Release Corrective Action (C-141) |

CONDITIONS

| Created By | Condition | Condition Date |
|------------|-----------|----------------|
| chensley | None | 8/30/2021 |