



2350 W Marland Blvd Hobbs, NM 88240

Closure Request

September 11, 2019

Re: EM ELLIOTT 20 FEDERAL #001
API# 30-025-41442
Case # 1RP-5881

W9VK1-190912-C-1410

To: Dylan Rose-Coss
Environmental Specialist-New Mexico Oil Conservation Division Energy, Minerals and
Natural Resources Department 1625 N. French Drive Hobbs, New Mexico 88240

On June 13, 2019 a release occurred due to corrosion on a fire tube attached to a heater treater resulting in the loss of 5 barrels of oil and 15 barrels of produced water. A vacuum truck was utilized to retrieve all fluids found within the containment area. The containment is lined with gravel on top of the liner and at no point did any of the release exit the containment area. An initial C-141 was submitted to NMOCD and approved on June 20, 2019. The release is located south of Eunice New Mexico (GPS: 32.37977, -103.19229) in unit letter E section 20 township 22S range 37E. Groundwater data was collected utilizing USGS and NMOSE wells of record. The nearest well with recorded data was found 1.88 miles away with a depth of 65 feet below ground surface.

This is a lined facility with gravel found on top of the liner. This release did not exit the containment area. We did retrieve all fluids and the contaminated gravel was disposed of at a NMOCD approved facility. On August 9, 2019 NMOCD was notified of our intent to conduct a Liner Integrity Inspection at the Elliott EM Federal 20 #001. Apache did conduct this inspection on August 12, 2019 during which time we did find the liner to be intact and free of any damage that would allow this release to exit the containment area. GPS photographs for documentation can be found in this report. At this time Apache respectfully requests that Case # 1RP-5881 be closed. If you have any questions, please feel free to contact us with any questions.

Enclosed: C-141, Correspondence, Groundwater Data, Maps, and Photos

Submitted by;

Environmental Technician

Jeffrey.Broom@apachecorp.com

Cell# 432-664-4677

Off# 575-393-7106

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 | NDHR1917860607 |
| District RP | 1RP-5581 |
| Facility ID | |
| Application ID | pDHR1917860306 |

Release Notification

Responsible Party

| | |
|--|-----------------------------------|
| Responsible Party: Apache Corporation | OGRID 873 |
| Contact Name: Bruce Baker | Contact Telephone: (432) 631-6982 |
| Contact email: Larry.Baker@apachecorp.com | Incident # (assigned by OCD) |
| Contact Mailing Address: 2350 W. Marland Blvd. Hobbs, NM 88240 | |

Location of Release Source

Latitude: W 32.37977 Longitude: N -103.19229

(NAD 83 in decimal degrees to 5 decimal places)

| | |
|--|------------------|
| Site Name: Elliott EM 20 Federal #001 | Site Type: Well |
| Date Release Discovered: June 13, 2019 | API # 3002541442 |

| Unit Letter | Section | Township | Range | County |
|-------------|---------|----------|-------|--------|
| E | 20 | 22S | 37E | LEA |

Surface Owner: ☒ State ☐ Federal ☐ Tribal ☐ Private (Name: Not Applicable)

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 (5 bbls) | Volume Recovered (5 bbls) |
| <input checked="" type="checkbox"/> Produced Water | Volume Released (15 bbls) | Volume Recovered (15 bbls) |
| | Is the concentration of dissolved chloride in the produced water >10,000 mg/l? | <input type="checkbox"/> Yes <input checked="" 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

Hole developed in fire tube on a heater treater.

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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No | If YES, for what reason(s) does the responsible party consider this a major release? |
| If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? Via email given to NM OCD by Bruce Baker, Senior Environmental Technician, Apache Corporation | |

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: Jeff Broom

Title: Environmental Technician

Signature: 

Date: 06/19/2019

Email: Jeffrey.Broom@apachecorp.com

Telephone: (432) 664-4677

OCD Only

Received by: Dylan Rose-Coss

Date: 06/27/2019

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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?

65 (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 (N/A)
- ☐ Data table of soil contaminant concentration data (N/A)
- ☒ 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 (N/A)
- ☒ Photographs including date and GIS information
- ☒ Topographic/Aerial maps
- ☐ Laboratory data including chain of custody (N/A)

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: Jeff BroomTitle: Environmental TechnicianSignature: Date: 09/11/2019Email: Jeffrey.Broom@apachecorp.comTelephone: 432.664.4677**OCD Only**

Received by: _____

Date: _____

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Oil Conservation Division

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Closure**W9VK1-190912-C-1410**


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

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Printed Name: Jeff Broom Title: Environmental Technician

Signature:  Date: 09/11/2019

Email: Jeffrey.Broom@apachecorp.com Telephone: 432.664.4677

OCD Only

Received by: Victoria Venegas Date: 09/12/2019

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: 11/27/2019

Printed Name: Victoria Venegas Title: Engineering Tech. III

Broom, Jeffrey

From: Broom, Jeffrey
Sent: Friday, August 9, 2019 5:31 PM
To: Dylan H EMNRD Rose-Coss
Cc: Baker, Larry
Subject: Elliott EM 20 Federal #001 1RP-5581

Dylan,

I just wanted to let you know we will be conducting a liner integrity test / inspection on Monday, August 12, 2019 at the above mentioned location. Please let us know if you have any questions.

Thanks,
Jeff

Sent from my iPhone

Broom, Jeffrey

From: Rose-Coss, Dylan H, EMNRD <DylanH.Rose-Coss@state.nm.us>
Sent: Friday, August 9, 2019 5:43 PM
To: Broom, Jeffrey
Subject: [EXTERNAL] RE: Elliott EM 20 Federal #001 1RP-5581

Jeff,

Thanks for the heads up. Let me know how it goes.

Best,

Dylan Rose-Coss

Environmental Scientist
Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

(505) 476-3488

-----Original Message-----

From: Broom, Jeffrey <Jeffrey.Broom@apachecorp.com>
Sent: Friday, August 9, 2019 4:31 PM
To: Rose-Coss, Dylan H, EMNRD <DylanH.Rose-Coss@state.nm.us>
Cc: Baker, Larry <Larry.Baker@apachecorp.com>
Subject: Elliott EM 20 Federal #001 1RP-5581

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Jeff

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New Mexico Office of the State Engineer

Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters)

| | | | | |
|-----------------|-------------------|-------------------------------|----------|----------|
| Well Tag | POD Number | Q64 Q16 Q4 Sec Tws Rng | X | Y |
| CP 00503 | | 4 4 21 22S 37E | 672965 | 3583144* |

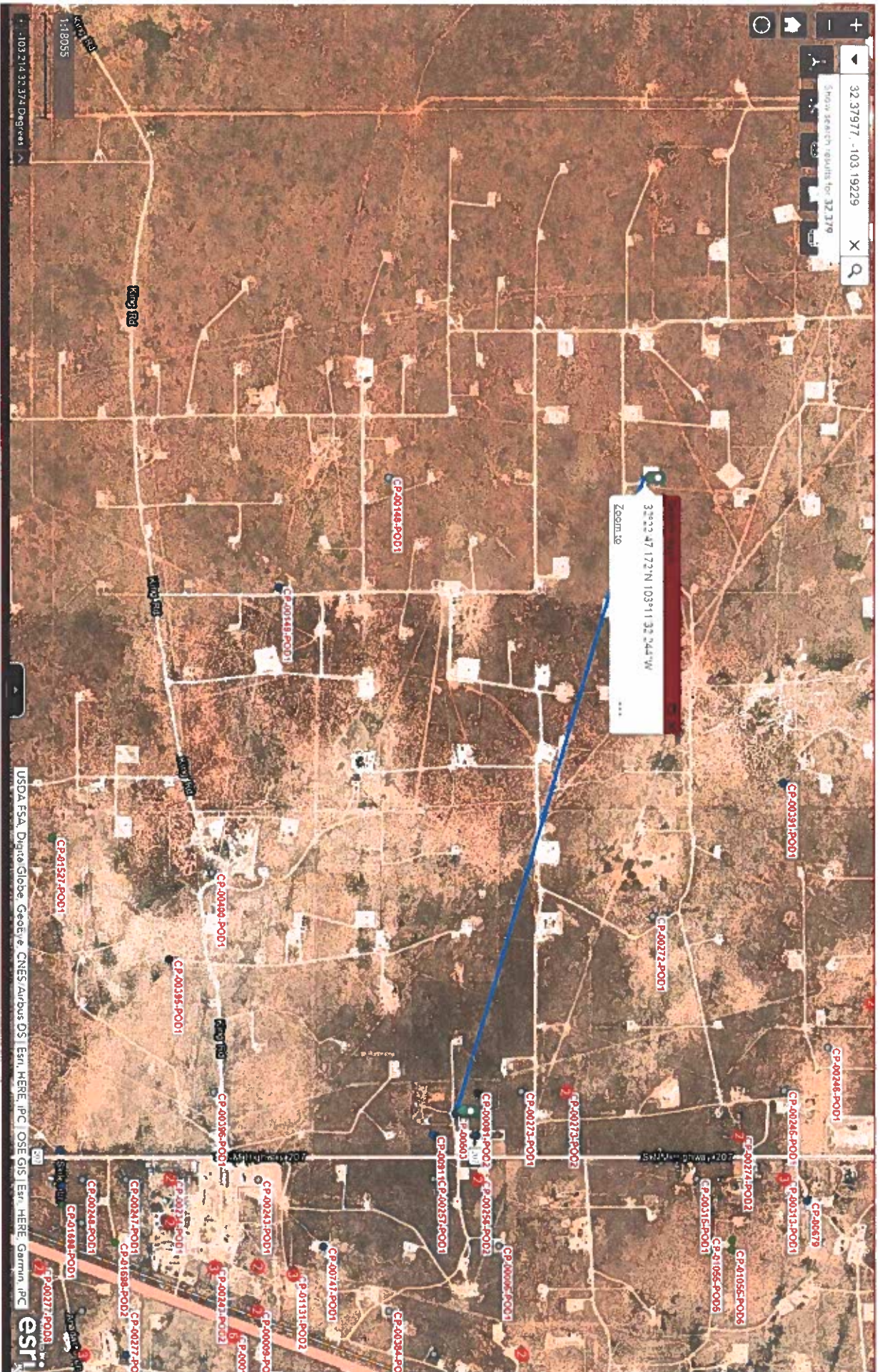
| | | |
|-------------------------------------|---------------------------------------|-----------------------------|
| Driller License: 208 | Driller Company: VAN NOY, W.L. | |
| Driller Name: VAN NOY, W.L. | | |
| Drill Start Date: 09/12/1972 | Drill Finish Date: 09/15/1972 | Plug Date: |
| Log File Date: 09/25/1972 | PCW Rcv Date: | Source: Shallow |
| Pump Type: | Pipe Discharge Size: | Estimated Yield: |
| Casing Size: 5.00 | Depth Well: 115 feet | Depth Water: 65 feet |

| | | | |
|---------------------------------------|------------|---------------|-------------------------------|
| Water Bearing Stratifications: | Top | Bottom | Description |
| | 70 | 110 | Sandstone/Gravel/Conglomerate |

| | | |
|-----------------------------|------------|---------------|
| Casing Perforations: | Top | Bottom |
| | 85 | 110 |

*UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.





Google earth

EM ELLIOTT #1RP-5881 LINER INSPECTION PHOTOS



EM ELLIOTT #1RP-5881 LINER INSPECTION PHOTOS



EM ELLIOTT #1RP-5881 LINER INSPECTION PHOTOS

