

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 | NCH1829036262 |
| District RP | |
| Facility ID | |
| Application ID | |

Release Notification

Responsible Party

| | |
|---|---------------------------------|
| Responsible Party: BTA Oil Producers | OGRID: 260297 |
| Contact Name: John Allen | Contact Telephone: 432-701-5808 |
| Contact email: jallen@btaoil.com | Incident # NCH1829036262 |
| Contact mailing address: 104 S Pecos St., Midland, TX 79701 | |

Location of Release Source

Latitude: 32.064033 Longitude: -103.653242
(NAD 83 in decimal degrees to 5 decimal places)

| | |
|----------------------------------|------------------------------------|
| Site Name: Mesa 2H | Site Type: Production Facility |
| Date Release Discovered: 10/1/18 | API# (if applicable): 30-025-41289 |

| Unit Letter | Section | Township | Range | County |
|-------------|---------|----------|-------|--------|
| D | 11 | 26S | 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)

| | | |
|--|---|---|
| <input type="checkbox"/> Crude Oil | Volume Released (bbls) | Volume Recovered (bbls) |
| <input checked="" type="checkbox"/> Produced Water | Volume Released (bbls): 17.91 Spill was 22 feet in diameter x 1 inch deep. $(\pi 11)^2 * (1/12) = 91.52 \text{ ft}^3$ $91.52 \text{ ft}^3 * 0.18 \text{ bbl/ft}^3 = 17.91 \text{ bbl}$ | Volume Recovered (bbls): 17.91 |
| | Is the concentration of dissolved chloride in the produced water >10,000 mg/l? | <input checked="" 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

A Victaulic clamp on the three stage vessel failed and leaked produced water to containment. No produced water leaked outside of the containment.

Produced water was immediately removed with vacuum truck and Victaulic clamp replaced.

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)? | |

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: John Allen Title: Environmental Manager

Signature: _____

Date: 10/9/18

email: jallen@btaoil.com

Telephone: 432-701-5808

OCD Only

RECEIVED

Received by: _____

By CHernandez at 8:00 am, Oct 17, 2018

Date: _____

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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? | 125 (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 checked="" 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.

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Printed Name: John Allen Title: Environmental Manager

Signature:  Date: 10/9/18

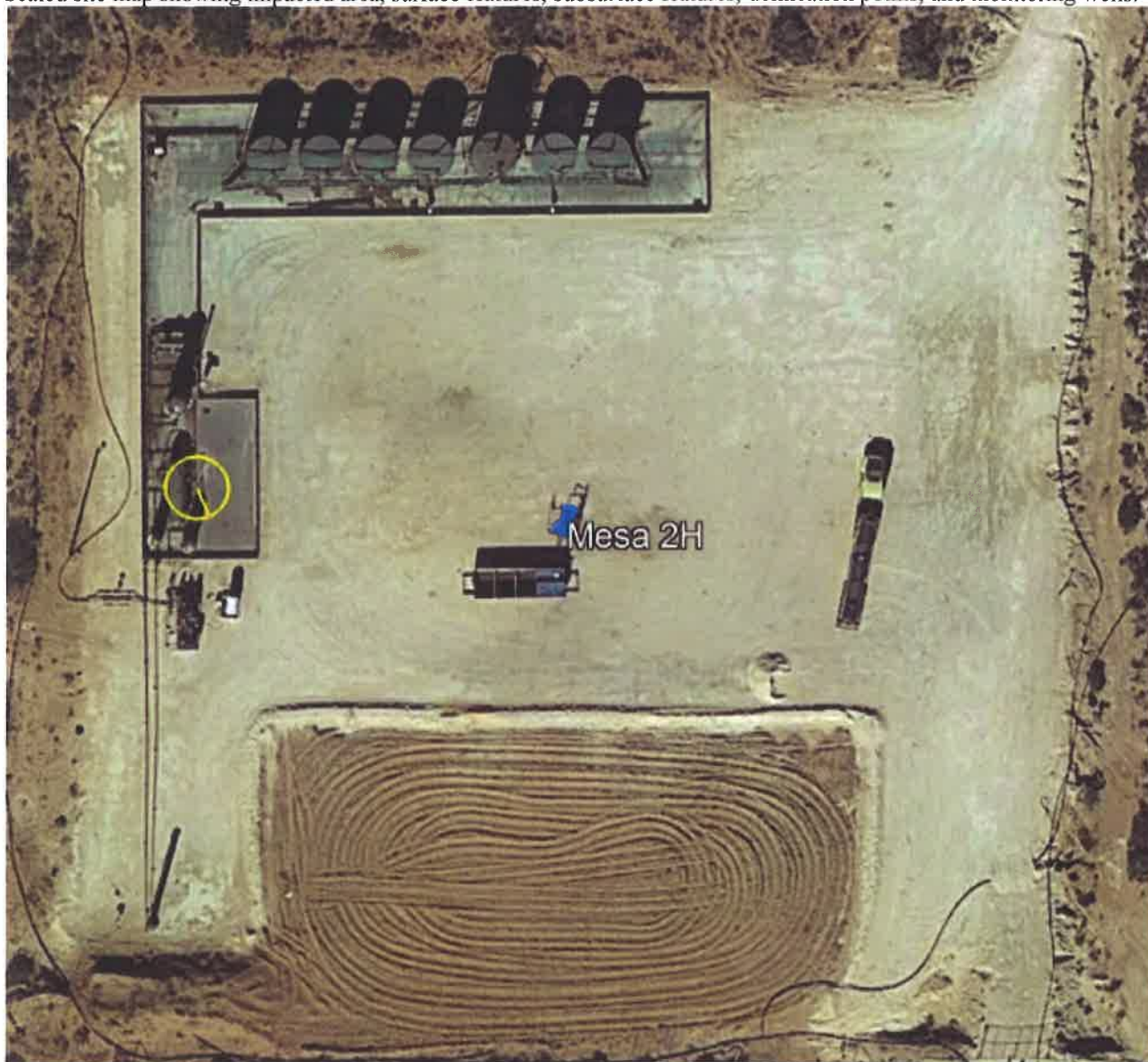
Email: jallen@btaoil.com Telephone: 432-701-5808

OCD Only

Received by: _____ Date: _____

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Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.



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Depth to water determination



New Mexico Office of the State Engineer Water Column/Average Depth to Water

(A CLW##### in the
POD suffix indicates the
POD has been replaced
& no longer serves a
water right file.)

(R=POD has
been replaced,
O=orphaned,
C=the file is
closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest) (NAD83 UTM in meters)

(In feet)

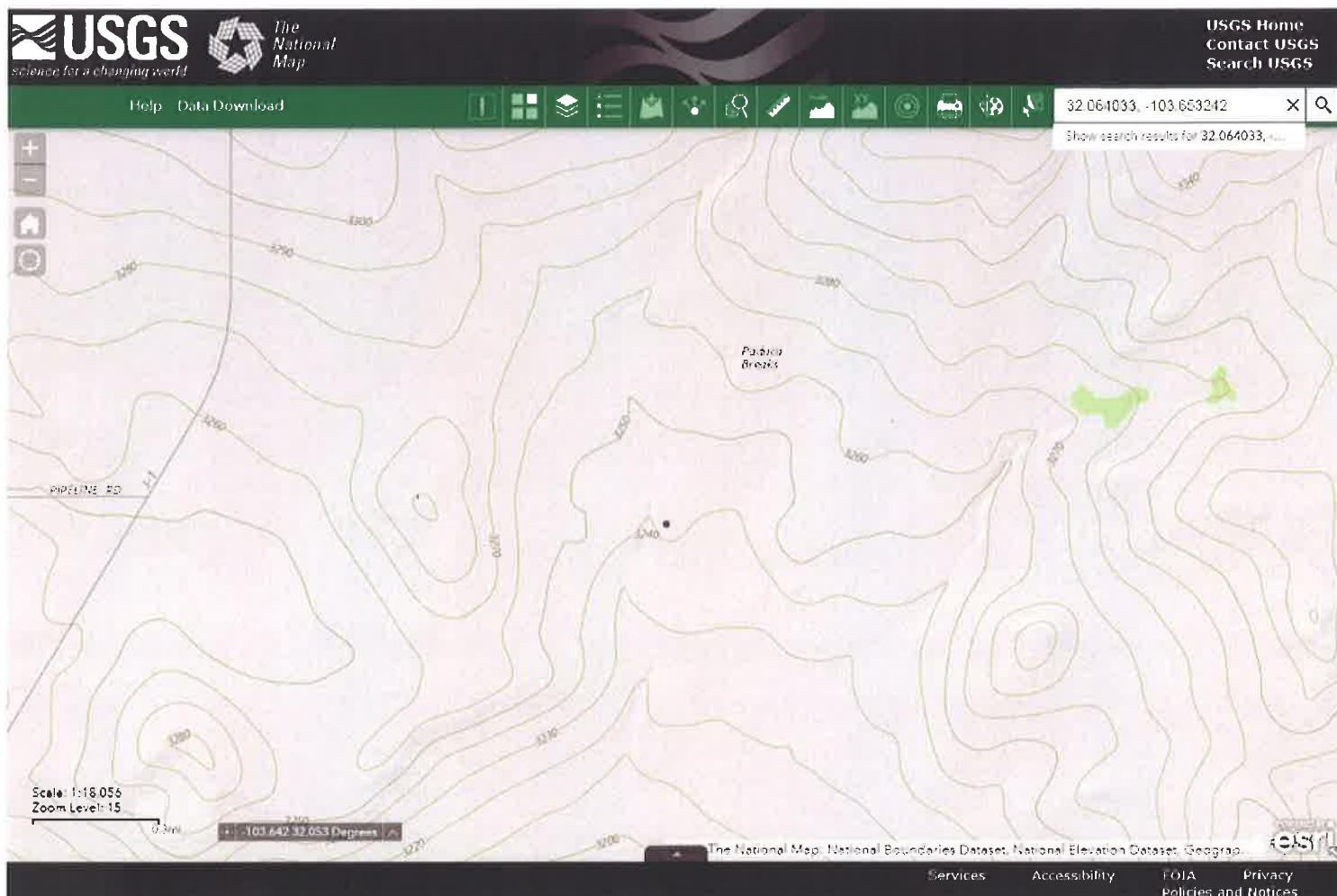
| POD Number | Code | POD Sub-basin | County | Q 64 | Q 16 | Q 4 | Sec | Tws | Rng | X | Y | Distance | Depth Well | Depth Water | Water Column |
|------------------------------|------|---------------|--------|------|------|-----|-----|-----|-----|--------|----------|----------|------------|-------------|--------------|
| C 02271 | R | CUB | LE | 2 | 3 | 21 | 26S | 32E | | 624449 | 3544111* | 4992 | 150 | 125 | 25 |
| C 03595 POD1 | | CUB | LE | 4 | 2 | 3 | 21 | 26S | 32E | 624423 | 3544045 | 5061 | 280 | 180 | 100 |
| C 02271 POD2 | | CUB | LE | 3 | 2 | 3 | 21 | 26S | 32E | 624348 | 3544010* | 5131 | 270 | 250 | 20 |
| C 02323 | | C | LE | 3 | 2 | 3 | 21 | 26S | 32E | 624348 | 3544010* | 5131 | 405 | 405 | 0 |
| C 03537 POD1 | | CUB | LE | 3 | 2 | 3 | 21 | 26S | 32E | 624250 | 3543985 | 5205 | 850 | | |
| C 04209 POD1 | | CUB | LE | 2 | 3 | 3 | 06 | 26S | 32E | 620903 | 3548619 | 6228 | 360 | 155 | 205 |
| C 04209 POD2 | | C | LE | 2 | 3 | 3 | 06 | 26S | 32E | 620818 | 3548657 | 6315 | 340 | 155 | 185 |
| C 03829 POD1 | | CUB | LE | 3 | 3 | 1 | 06 | 26S | 32E | 620628 | 3549186 | 6552 | 646 | 350 | 296 |
| C 03554 POD1 | | CUB | ED | 2 | 1 | 4 | 01 | 26S | 31E | 620547 | 3549148 | 6628 | 630 | 300 | 330 |
| C 02090 | | C | ED | 4 | 4 | 01 | 26S | 31E | | 620329 | 3548533* | 6798 | 350 | 335 | 15 |
| C 04256 POD1 | | C | ED | 4 | 4 | 2 | 01 | 26S | 31E | 620384 | 3549257 | 6804 | 666 | 340 | 326 |
| C 03639 POD1 | | CUB | ED | 3 | 4 | 2 | 01 | 26S | 31E | 620168 | 3549279 | 7021 | 700 | 365 | 335 |
| C 02273 | | CUB | LE | 1 | 2 | 21 | 26S | 33E | | 634549 | 3545134* | 8081 | 160 | 120 | 40 |
| C 02274 | | CUB | LE | 2 | 1 | 2 | 31 | 26S | 32E | 621742 | 3541730* | 8513 | 300 | 295 | 5 |
| C 02287 | | C | LE | 3 | 4 | 4 | 03 | 26S | 33E | 636427 | 3548708 | 9310 | 220 | | |
| C 02286 | | CUB | LE | 3 | 4 | 4 | 03 | 26S | 33E | 636470 | 3548714 | 9353 | 220 | 175 | 45 |
| C 02290 | | CUB | LE | 4 | 4 | 4 | 03 | 26S | 33E | 636538 | 3548770 | 9424 | 200 | 160 | 40 |
| C 02289 | | CUB | LE | 4 | 4 | 4 | 03 | 26S | 33E | 636612 | 3548675* | 9494 | 200 | 160 | 40 |
| C 02285 POD1 | | CUB | LE | 1 | 4 | 4 | 03 | 26S | 33E | 636613 | 3548855 | 9503 | 220 | 220 | 0 |
| C 02288 | | CUB | LE | 4 | 4 | 4 | 03 | 26S | 33E | 636646 | 3548758 | 9531 | 220 | 180 | 40 |
| C 03577 POD1 | | CUB | LE | 3 | 3 | 3 | 22 | 26S | 33E | 636010 | 3543771 | 9985 | 750 | 110 | 640 |
| C 03596 POD1 | | C | LE | 3 | 3 | 4 | 22 | 26S | 33E | 636017 | 3543756 | 9997 | 225 | | |

Average Depth to Water: 230 feet

Minimum Depth: 110 feet

Maximum Depth: 405 feet

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Photographs including date and GIS information



From: [Hernandez, Christina, EMNRD](#)
To: ["John Allen"; Yu, Olivia, EMNRD; Tucker, Shelly](#)
Subject: RE: Minor spill to containment at Mesa 2H Battery
Date: Wednesday, October 17, 2018 11:05:00 AM
Attachments: [ReviewedC-141 Mesa 2H 10-1-18 spill signed.pdf](#)

Dear Mr. Allen:

Please see attachment for your records.

Please be advised that

1. As mentioned on the email sent by OCD to you on 10/02/2018, there is an identified watercourse (defined bed and bank either named or identified by a dashed blue line on a USGS 7.5 minute quadrangle map or the next lower order tributary with a defined bed and bank of such watercourse) directly west of the battery location. Your site characterization form was corrected to reflect that.

2. Dated, geo-referenced photo documentation are required for closure. One of the photos must demonstrate an exposed and clean liner as per 19.15.29.10 NMAC.

3. Please submit the signed C-141 Closure form. In the future, please be advised that you may submit all forms together in one submission for releases occurring in lined containments.

Thanks,
Christina Hernandez
EMNRD-OCD
Environmental Specialist
1625 N. French Drive
Hobbs, NM 88240
575-393-6161 x111
Christina.Hernandez@state.nm.us

OCD approval does not relieve the operator of liability should their operations fail to adequately investigate and remediate contamination that may pose a threat to ground water, surface water, human health or the environment. In addition, OCD approval does not relieve the operator of responsibility for compliance with any other federal, state, local laws and/or regulations.

From: John Allen <JAllen@btaoil.com>
Sent: Tuesday, October 9, 2018 10:01 AM
To: Yu, Olivia, EMNRD <Olivia.Yu@state.nm.us>; Tucker, Shelly <stucker@blm.gov>
Cc: Hernandez, Christina, EMNRD <Christina.Hernandez@state.nm.us>
Subject: [EXT] RE: Minor spill to containment at Mesa 2H Battery

The C-141 and pictures for this spill are attached. Is there anything else that needs to be done?

From: Yu, Olivia, EMNRD [<mailto:Olivia.Yu@state.nm.us>]
Sent: Tuesday, October 02, 2018 9:26 AM
To: John Allen; Tucker, Shelly
Cc: Hernandez, Christina, EMNRD
Subject: RE: Minor spill to containment at Mesa 2H Battery

***** EXTERNAL EMAIL - Please use caution and **DO NOT** open attachments or click links from unknown or unexpected emails. *****

Good morning Mr. Allen:

Thank you for the notification. NMOCD will note the inspection date. In the eventuality that NMOCD is not present, please make sure to take photos with the date, time, and GPS coordinates indicated.

Also, please confirm that there is no off location impact. There is an identified watercourse directly behind (West) of the battery location. Note that the release location is on Federal surface and minerals ownership.

Thanks,
Olivia

From: John Allen <JAllen@btaoil.com>
Sent: Tuesday, October 2, 2018 8:14 AM
To: Yu, Olivia, EMNRD <Olivia.Yu@state.nm.us>
Subject: [EXT] Minor spill to containment at Mesa 2H Battery

We had a minor spill to containment at the Mesa 2H battery. GPS coordinates 32.064124°, -103.653310°. About 20 barrels leaked from a water clamp on the three stage vessel.

I'm going out on Thursday to inspect the liner. I just wanted to make sure this was an OK day for you.

Thanks

John Allen
Environmental Manager
BTA Oil Producers
104 S Pecos St.
Midland, TX 79701
Cell: 432-701-5808
Office: 432-682-3753 x121

State of New Mexico
Oil Conservation Division

| | |
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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

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Printed Name: John Allen, Title: Environmental Manager

Signature:  Date: 10/17/18

email: jallen@btaoil.com Telephone: 432-701-5808

OCD Only

Received by: _____ Date: _____

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.

APPROVED**By CHernandez at 3:16 pm, Oct 17, 2018**

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

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To: ["John Allen"; Yu, Olivia, EMNRD; Tucker, Shelly](#)
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