

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    | NRM2034559088 |
| District RP    |               |
| Facility ID    |               |
| Application ID |               |

## Release Notification

### Responsible Party

|                                                                                      |                                |
|--------------------------------------------------------------------------------------|--------------------------------|
| Responsible Party Marathon Oil Permian LLC                                           | OGRID 372098                   |
| Contact Name Melodie Sanjari                                                         | Contact Telephone 575-988-8753 |
| Contact email <a href="mailto:msanjari@marathonoil.com">msanjari@marathonoil.com</a> | Incident # (assigned by OCD)   |
| Contact mailing address 4111 S. Tidwell Rd., Carlsbad, NM 8220                       |                                |

### Location of Release Source

Latitude 32.06560374

Longitude -103.39695431  
(NAD 83 in decimal degrees to 5 decimal places)

|                                         |                                   |
|-----------------------------------------|-----------------------------------|
| Site Name: CAVE LION 5 TB FEDERAL #001H | Site Type Oil & Gas Facility      |
| Date Release Discovered 11/26/2020      | API# (if applicable) 30-025-44087 |

| Unit Letter | Section | Township | Range | County |
|-------------|---------|----------|-------|--------|
| M           | 05      | 26S      | 35E   | 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) 14.8                                                    | Volume Recovered (bbls)                                  |
|                                                    | 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

Operator arrived on location to a failure on a 4" threaded T that resulted in the release of approx. 14.8 bbl. of produced water inside of the lined containment. The source was isolated for repairs and as the crew had a pressure wash trailer in-tow, the area was washed and all fluids recovered to prevent slip/trips/falls during the repair process. A 48 hour notice will be sent out prior to a liner integrity inspection.

|                |               |
|----------------|---------------|
| Incident ID    | NRM2034559088 |
| District RP    |               |
| Facility ID    |               |
| Application ID |               |

|                                                                                                                                                      |                                                                                                                              |
|------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|
| Was this a major release as defined by 19.15.29.7(A) NMAC?<br><br><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No                | If YES, for what reason(s) does the responsible party consider this a major release?<br><br><br><br><br><br><br><br><br><br> |
| If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?<br><br><br><br><br><br><br><br><br><br> |                                                                                                                              |

## 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.<br><input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment.<br><input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.<br><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:<br><br><br><br><br><br><br><br><br><br>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                          |
| 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: <u>Melodie Sanjari</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Title: <u>Environmental Professional</u> |
| Signature: <u>Melodie Sanjari</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Date: <u>12/1/2020</u>                   |
| email: <u>msanjari@marathonoil.com</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Telephone: <u>575-988-8753</u>           |
| <b><u>OCD Only</u></b><br><br>Received by: <u>Ramona Marcus</u> Date: <u>12/10/2020</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                          |

NRM2034559088



## Spill Calculation Tool

### Standing Liquid Inputs:

|                   | Length (ft.) | Width (ft.) | Avg. Liquid Depth (in.) | % Oil | Total Volume (bbls) | Water Volume (bbls) | Oil Volume (bbls) |
|-------------------|--------------|-------------|-------------------------|-------|---------------------|---------------------|-------------------|
| Rectangle Area #1 | 100          | 40          | 0.25                    |       | 14.84               | 14.84               | 0.00              |
| Rectangle Area #2 |              |             |                         |       | 0.00                | 0.00                | 0.00              |
| Rectangle Area #3 |              |             |                         |       | 0.00                | 0.00                | 0.00              |
| Rectangle Area #4 |              |             |                         |       | 0.00                | 0.00                | 0.00              |
| Rectangle Area #5 |              |             |                         |       | 0.00                | 0.00                | 0.00              |
| Rectangle Area #6 |              |             |                         |       | 0.00                | 0.00                | 0.00              |
| Rectangle Area #7 |              |             |                         |       | 0.00                | 0.00                | 0.00              |
| Rectangle Area #8 |              |             |                         |       | 0.00                | 0.00                | 0.00              |
| Liquid Volume:    |              |             |                         |       | 14.84               | 14.84               | 0.00              |

### Saturated Soil Inputs:

Soil Type: **Sandy**

|                   | Length (ft.) | Width (ft.) | Avg. Saturated Depth (in.) | % Oil | Total Volume (bbls) | Water Volume (bbls) | Oil Volume (bbls) |
|-------------------|--------------|-------------|----------------------------|-------|---------------------|---------------------|-------------------|
| Rectangle Area #1 |              |             |                            | 0%    | 0.00                | 0.00                | 0.00              |
| Rectangle Area #2 |              |             |                            | 0%    | 0.00                | 0.00                | 0.00              |
| Rectangle Area #3 |              |             |                            | 0%    | 0.00                | 0.00                | 0.00              |
| Rectangle Area #4 |              |             |                            | 0%    | 0.00                | 0.00                | 0.00              |
| Rectangle Area #5 |              |             |                            | 0%    | 0.00                | 0.00                | 0.00              |
| Rectangle Area #6 |              |             |                            | 0%    | 0.00                | 0.00                | 0.00              |
| Rectangle Area #7 |              |             |                            |       | 0.00                | 0.00                | 0.00              |
| Rectangle Area #8 |              |             |                            |       | 0.00                | 0.00                | 0.00              |
| Saturated Volume  |              |             |                            |       | 0.00                | 0.00                | 0.00              |

### Volume Recovered and not included in Standing Liquid Inputs:

| % Oil | Total Volume (bbls) | Water Volume (bbls) | Oil Volume (bbls) |
|-------|---------------------|---------------------|-------------------|
|       |                     |                     |                   |

|                            | Total Volume (bbls) | Water Volume (bbls) | Oil Volume (bbls) |
|----------------------------|---------------------|---------------------|-------------------|
| Total Spill Volume (bbls): | 14.84               | 14.84               | 0.00              |