

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 | NAPP2113030252 |
| District RP | |
| Facility ID | |
| Application ID | |

Release Notification

Responsible Party

| | |
|-------------------------|------------------------------|
| Responsible Party | OGRID |
| Contact Name | Contact Telephone |
| Contact email | Incident # (assigned by OCD) |
| Contact mailing address | |

Location of Release Source

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

| | |
|-------------------------|----------------------|
| Site Name | Site Type |
| Date Release Discovered | API# (if applicable) |

| Unit Letter | Section | Township | Range | County |
|-------------|---------|----------|-------|--------|
| | | | | |

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 type="checkbox"/> Produced Water | Volume Released (bbls) | 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

| | |
|----------------|----------------|
| Incident ID | NAPP2113030252 |
| District RP | |
| Facility ID | |
| Application ID | |

| | |
|--|--|
| Was this a major release as defined by 19.15.29.7(A) NMAC? <input type="checkbox"/> Yes <input 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

| |
|--|
| <input type="checkbox"/> The source of the release has been stopped. <input type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input 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: _____ Title: _____ Signature: <u></u> _____ Date: _____ email: _____ Telephone: _____ |
| <u>OCD Only</u> Received by: <u>Ramona Marcus</u> Date: <u>5/14/2021</u> |

******* LIQUID SPILLS - VOLUME CALCULATIONS *******

Location of spill: COG - Little Bear 034M CTB

Date of Spill: 4-May-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: 0.0 BBL WATER: 0.0 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 | 0 ft | 0 ft | X 0.00 in | 0% | Rectangle Area #1 | 20 ft | X 20 ft | X 1.0 in | 16% | | |
| Rectangle Area #2 | 0 ft | X 0 ft | X 0.00 in | 0% | Rectangle Area #2 | 0 ft | X 0 ft | X 0 in | 0% | | |
| Rectangle Area #3 | 0 ft | X 0 ft | X 0 in | 0% | Rectangle Area #3 | 0 ft | X 0 ft | X 0 in | 0% | | |
| Rectangle Area #4 | 0 ft | X 0 ft | X 0 in | 0% | Rectangle Area #4 | 0 ft | X 0 ft | X 0 in | 0% | | |
| Rectangle Area #5 | 0 ft | X 0 ft | X 0 in | 0% | Rectangle Area #5 | 0 ft | X 0 ft | X 0 in | 0% | | |
| Rectangle Area #6 | 0 ft | X 0 ft | X 0 in | 0% | Rectangle Area #6 | 0 ft | X 0 ft | X 0 in | 0% | | |
| Rectangle Area #7 | 0 ft | X 0 ft | X 0 in | 0% | Rectangle Area #7 | 0 ft | X 0 ft | X 0 in | 0% | | |
| Rectangle Area #8 | 0 ft | X 0 ft | X 0 in | 0% | Rectangle Area #8 | 0 ft | X 0 ft | X 0 in | 0% | | |

ERROR - Standing Liquid Area larger than Total Area, Review Data Input

production system leak - DAILY PRODUCTION DATA REQUIRED

Average Daily Production: Oil 0 BBL Water 0 BBL 0 Gas (MCFD)

Total Hydrocarbon Content in gas: 0% (percentage)

Did leak occur before the separator?: YES N/A (place an "X")

H2S Content in Produced Gas: 0 PPM

H2S Content in Tank Vapors: 0 PPM

Amount of Free Liquid Recovered: 0 BBL okay

Percentage of Oil in Free Liquid Recovered: 0% (percentage)

Liquid holding factor *: 0.00 gal per gal

Use the following when the spill wets the grains of the soil.

Use the following when the liquid completely fills the pore space of the soil:

- * Sand = 0.08 gallon (gal.) liquid per gal. volume of soil.
- * Gravelly (caliche) loam = 0.14 gal. liquid per gal. volume of soil.
- * Sandy clay loam soil = 0.14 gal liquid per gal. volume of soil.
- * Clay loam = 0.16 gal. liquid per gal. volume of soil.

- Occurs when the spill soaked soil is contained by barriers, natural (or not).
- * Clay loam = 0.20 gal. liquid per gal. volume of soil.
- * Gravelly (caliche) loam = 0.25 gal. liquid per gal. volume of soil.
- * Sandy loam = 0.5 gal. liquid per gal. volume of soil.

Total Solid/Liquid Volume: **sq. ft. cu. ft. cu. ft.** Total Free Liquid Volume: **400 sq. ft. 28 cu. ft. 5 cu. ft.**

Estimated Volumes Spilled

| | | |
|-----------------|------------|------------|
| | H2O | OIL |
| Liquid in Soil: | 0.0 BBL | 0.0 BBL |
| Free Liquid: | 5.0 BBL | 0.9 BBL |
| Totals: | 5.0 BBL | 0.9 BBL |

Estimated Production Volumes Lost

| | | |
|-------------------------------|------------|------------|
| Estimated Production Spilled: | H2O | OIL |
| | 0.0 BBL | 0.0 BBL |

Estimated Surface Damage

Surface Area: **400 sq. ft.**
Surface Area: **.0092 acre**

Recovered Volumes

Estimated oil recovered: **BBL** check - okay
Estimated water recovered: **BBL** check - okay

Estimated Weights, and Volumes

Saturated Soil = **lbs** cu. ft. cu. yds.
Total Liquid = **6 BBL** 249 gallon 2,074 lbs

Air Emission from flowline leaks:

Volume of oil spill: - BBL
Separator gas calculated: - MCF
Separator gas released: - MCF
Gas released from oil: - lb
H2S released: - lb
Total HC gas released: - lb
Total HC gas released: - MCF

Air Emission of Reporting Requirements:

| | | |
|----------------------------|-------------------|--------------|
| | <u>New Mexico</u> | <u>Texas</u> |
| HC gas release reportable? | NO | NO |
| H2S release reportable? | NO | NO |

District I
 1625 N. French Dr., Hobbs, NM 88240
 Phone:(575) 393-6161 Fax:(575) 393-0720

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 811 S. First St., Artesia, NM 88210
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 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
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Santa Fe, NM 87505

CONDITIONS

Action 27506

CONDITIONS OF APPROVAL

| | | | | | | | | | |
|--------------|-------------------|--------------------|------------------|-----------|--------|----------------|-------|--------------|-------|
| Operator: | COG OPERATING LLC | 600 W Illinois Ave | Midland, TX79701 | OGRID: | 229137 | Action Number: | 27506 | Action Type: | C-141 |
| OCD Reviewer | | | | Condition | | | | | |
| marcus | | | | Condition | None | | | | |