

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

Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

NM OIL CONSERVATION  
ARTESIA DISTRICT

AUG 03 2017

Form C-141  
Revised August 8, 2011

Submit 1 Copy to appropriate District Office in  
accordance with 19.15.29 NMAC.  
**RECEIVED**

Release Notification and Corrective Action

NAB1721951563

21745 OPERATOR

☒ Initial Report ☐ Final Report

Name of Company: COG Operating LLC OGRID # 229437	Contact: Robert McNeill
Address: 600 West Illinois Avenue, Midland TX 79701	Telephone No. 432-683-7443
Facility Name: Canvasback 13 Federal #002H	Facility Type: Flowline
Surface Owner: Federal	Mineral Owner: Federal
API No. 30-015-40538	

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
A	13	24S	31E	330	North	480	East	Eddy

Latitude 32.222781 Longitude -103.723080

NATURE OF RELEASE

Type of Release: Produced Water	Volume of Release: 18 bbls.	Volume Recovered: 16 bbls.
Source of Release: Flowline	Date and Hour of Occurrence: July 26, 2017 3:00 pm	Date and Hour of Discovery: July 26, 2017 3:00 pm
Was Immediate Notice Given? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom?	
By Whom?	Date and Hour:	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.\*

Describe Cause of Problem and Remedial Action Taken.\*

The release was due to a ruptured flowline. The flowline was repaired.

Describe Area Affected and Cleanup Action Taken.\*

The release was within a pasture. The fluid released originated from the Triste Draw 5 Federal Com #002H (API 30-025-40581) which is located in Lea County. The release occurred in Eddy county near the Canvasback 13 Federal #002H pad. A vacuum truck was dispatched to remove all freestanding fluids. Concho will have the spill area sampled to delineate any possible impact from the release and we will present a remediation work plan to the NMOCDC for approval prior to any significant 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 NMOCDC 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 NMOCDC marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCDC 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.

Signature: <i>Rebecca Haskell</i>	OIL CONSERVATION DIVISION	
Printed Name: Rebecca Haskell	Signed By: <i>Mike Brumley</i>	
Title: Senior HSE Coordinator	Approved by Environmental Specialist:	
E-mail Address: rhaskell@concho.com	Approval Date: 8/4/17	Expiration Date: N/A
Date: August 3, 2017 Phone: 432-683-7443	Conditions of Approval: <i>See attached</i>	Attached <input type="checkbox"/>

\* Attach Additional Sheets If Necessary

2RD-4324

8/4/17 NAB

Operator/Responsible Party,

The OCD has received the form C-141 you provided on 8/3/2017 regarding an unauthorized release. The information contained on that form has been entered into our incident database and remediation case number 2RP-4324 has been assigned. **Please refer to this case number in all future correspondence.**

It is the Division's obligation under both the Oil & Gas Act and Water Quality Act to provide for the protection of public health and the environment. Our regulations (19.15.29.11 NMAC) state the following,

*The responsible person shall complete division-approved corrective action for releases that endanger public health or the environment. The responsible person shall address releases in accordance with a remediation plan submitted to and approved by the division or with an abatement plan submitted in accordance with 19.15.30 NMAC. [emphasis added]*

Release characterization is the first phase of corrective action unless the release is ongoing or is of limited volume and all impacts can be immediately addressed. Proper and cost-effective remediation typically cannot occur without adequate characterization of the impacts of any release. Furthermore, the Division has the ability to impose reasonable conditions upon the efforts it oversees. **As such, the Division is requiring a workplan for the characterization of impacts associated with this release be submitted to the OCD District 2 office in ARTESIA on or before 9/3/2017.** If and when the release characterization workplan is approved, there will be an associated deadline for submittal of the resultant investigation report. Modest extensions of time to these deadlines may be granted, but only with acceptable justification.

The goals of a characterization effort are: 1) determination of the lateral and vertical extents along with the magnitude of soil contamination. 2) determine if groundwater or surface waters have been impacted. 3) If groundwater or surface waters have been impacted, what are the extents and magnitude of that impact. 4) The characterization of any other adverse impacts that may have occurred (examples: impacts on vegetation, impacts on wildlife, air quality, loss of use of property, etc.). To meet these goals as quickly as possible, the following items must, at a minimum, be addressed in the release characterization workplan and subsequent reporting:

- Horizontal delineation of soil impacts in each of the four cardinal compass directions. Adsorbed soil contamination must be characterized for the following constituents using the associated laboratory methods: benzene, toluene, ethylbenzene, and total xylenes by either Method 8260 or 8021, total petroleum hydrocarbons by Method 8015 extended range (GRO+DRO+MRO; C<sub>6</sub> thru C<sub>36</sub>), and for chloride by Method 300. This is not an exclusive list of potential contaminants. Analyzed parameters should be modified based on the nature of the released substance(s). Soil sampling must be both within the impacted area and beyond.
- Vertical delineation of soil impacts. Adsorbed soil contamination must be characterized for the following constituents using the associated laboratory methods: benzene, toluene, ethylbenzene, and total xylenes by either Method 8260 or 8021, total petroleum hydrocarbons by Method 8015 extended range (GRO+DRO+MRO; C<sub>6</sub> thru C<sub>36</sub>), and for chloride by Method 300. As above, this is not an exclusive list of potential contaminants and can be modified. Vertical characterization samples should be taken at depth intervals no greater than five feet apart. Lithologic description of encountered soils must also be provided. At least ten vertical feet of soils with contaminant concentrations at or below these values must be demonstrated as existing above the water table.
- Nominal detection limits for field and laboratory analyses must be provided.
- Composite sampling is not generally allowed.
- Field screening and assessment techniques are acceptable (headspace, titration, EC [include algorithm for validation purposes], EM, etc.), but the sampling and assay procedures must be clearly defined. Copies of field notes are highly desirable. A statistically significant set of split samples must be submitted for confirmatory laboratory analysis, including the laterally farthest and vertically deepest sets of soil samples. Make sure there are at least two soil samples submitted

for laboratory analysis from each borehole or test pit (highest observed contamination and deepest depth investigated). Copies of the actual laboratory results must be provided including chain of custody documentation.

- Probable depth to shallowest protectable groundwater and lateral distance to nearest surface water. If there is an estimate of groundwater depth, the information used to arrive at that estimate must be provided. If there is a reasonable assumption that the depth to protectable water is 50 feet or less, the responsible party should anticipate the need for at least one groundwater monitoring well to be installed in the area of likely maximum contamination.

- If groundwater contamination is encountered, an additional investigation workplan may be required to determine the extents of that contamination. Groundwater and/or surface water samples, if any, must be analyzed by a competent laboratory for volatile organic hydrocarbons (typically Method 8260 full list), total dissolved solids, pH, major anions and cations including chloride and sulfate, dissolved iron, and dissolved manganese. The investigation workplan must provide the groundwater sampling method(s) and sample handling protocols. To the fullest extent possible, aqueous analyses must be undertaken using nominal method detection limits. As with the soil analyses, copies of the actual laboratory results must be provided including chain of custody documentation.

- Accurately scaled and well-drafted site maps must be provided providing the location of borings, test pits, monitoring wells, potentially impacted areas, and significant surface features including roads and site infrastructure that might limit either the release characterization or remedial efforts. Field sketches may be included in subsequent reporting, but should not be considered stand-alone documentation of the site's layout. Digital photographic documentation of the location and fieldwork is recommended, especially if unusual circumstances are encountered.

**Nothing herein should be interpreted to preclude emergency response actions or to imply immediate remediation by removal cannot proceed as warranted. Nonetheless, characterization of impacts and confirmation of the effectiveness of remedial efforts must still be provided to the OCD before any release incident will be closed.**

**Jim Griswold**

OCD Environmental Bureau Chief  
1220 South St. Francis Drive  
Santa Fe, New Mexico 87505  
505-476-3465  
jim.griswold@state.nm.us

## Bratcher, Mike, EMNRD

---

**From:** Rebecca Haskell <RHaskell@concho.com>  
**Sent:** Thursday, August 3, 2017 12:23 PM  
**To:** Bratcher, Mike, EMNRD; Weaver, Crystal, EMNRD; stucker@blm.gov  
**Cc:** Jim Amos (jamos@blm.gov); Dakota Neel; Aaron Lieb; Yu, Olivia, EMNRD  
**Subject:** RE: (C-141 Initial) Canvasback 13 Federal #002H 7-26-17 (30-015-40538)(Triste Draw # 2H)  
**Attachments:** Canvasback 13 Federal #002H Initial C-141 7-26-17 (30-015-40538)(Triste Draw # 2H).pdf

Mike,

Here is an Initial C-141 for the Canvasback 13 Federal #002H. I am keeping Triste Draw #2H in the name of the spill for internal tracking of cost associated with the spill remediation. I hope this is acceptable for all parties involved. I appreciate your assistance and patience in resolving the reporting of this release.

Thank You,

Becky Haskell  
Senior HSE Coordinator  
COG Operating LLC  
600 W Illinois Avenue | Midland, TX 79701  
Direct: 432-818-2372 | Main: 432.683.7443  
Cell: 432-556-5130  
[rhaskell@concho.com](mailto:rhaskell@concho.com)



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**From:** Bratcher, Mike, EMNRD [mailto:mike.bratcher@state.nm.us]  
**Sent:** Thursday, August 03, 2017 10:21 AM  
**To:** Rebecca Haskell; Weaver, Crystal, EMNRD; stucker@blm.gov  
**Cc:** Jim Amos (jamos@blm.gov); Dakota Neel; Aaron Lieb; Yu, Olivia, EMNRD  
**Subject:** [External] RE: (C-141 Initial) Triste Draw Federal Com #002H 7-26-17 (30-025-40581)

Becky,

For ease of data entry on OCD's part, I would like to enter it under the API for the Canvasback. It would require you sending another C-141 and you could add some language indicating where the fluid originated. That would simplify things for us, but if it causes anyone else problems, speak up and we will go another route.

Thanks,

Mike Bratcher  
NMOCD District 2

811 South First Street  
Artesia NM 88210  
575-748-1283 Ext 108  
[mike.bratcher@state.nm.us](mailto:mike.bratcher@state.nm.us)

**From:** Rebecca Haskell [<mailto:RHaskell@concho.com>]

**Sent:** Tuesday, August 1, 2017 3:51 PM

**To:** Bratcher, Mike, EMNRD <[mike.bratcher@state.nm.us](mailto:mike.bratcher@state.nm.us)>; Weaver, Crystal, EMNRD <[Crystal.Weaver@state.nm.us](mailto:Crystal.Weaver@state.nm.us)>; [stucker@blm.gov](mailto:stucker@blm.gov)

**Cc:** Jim Amos ([jamos@blm.gov](mailto:jamos@blm.gov)) <[jamos@blm.gov](mailto:jamos@blm.gov)>; Dakota Neel <[DNeel2@concho.com](mailto:DNeel2@concho.com)>; Aaron Lieb <[ALieb@concho.com](mailto:ALieb@concho.com)>; Yu, Olivia, EMNRD <[Olivia.Yu@state.nm.us](mailto:Olivia.Yu@state.nm.us)>

**Subject:** RE: (C-141 Initial) Triste Draw Federal Com #002H 7-26-17 (30-025-40581)

Mr. Bratcher,

You are correct there are two wells that flow water through this flowline to the SWD, both of them are located in Lea County. The production foreman knows that at the time of the release water was flowing from the Triste Draw Federal Com #002H because when he shut in the well the leak stopped. How do you think this particular release should be handled?

Thank You,

Becky Haskell  
Senior HSE Coordinator  
COG Operating LLC  
600 W Illinois Avenue | Midland, TX 79701  
Direct: 432-818-2372 | Main: 432.683.7443  
Cell: 432-556-5130  
[rhaskell@concho.com](mailto:rhaskell@concho.com)



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**From:** Bratcher, Mike, EMNRD [<mailto:mike.bratcher@state.nm.us>]

**Sent:** Tuesday, August 01, 2017 4:39 PM

**To:** Rebecca Haskell; Weaver, Crystal, EMNRD; [stucker@blm.gov](mailto:stucker@blm.gov)

**Cc:** Jim Amos ([jamos@blm.gov](mailto:jamos@blm.gov)); Dakota Neel; Aaron Lieb; Yu, Olivia, EMNRD

**Subject:** [External] RE: (C-141 Initial) Triste Draw Federal Com #002H 7-26-17 (30-025-40581)

I guess my next question would have to be, for OCD tracking purposes, do you want an Eddy County release tied to a Lea County well 2.5 miles away? If it is an SWD line, there would be fluid from multiple wells going down that line, right?

Not trying to be difficult, just trying to determine how best to enter this one.

Thanks – MikeB

**From:** Rebecca Haskell [<mailto:RHaskell@concho.com>]

**Sent:** Tuesday, August 1, 2017 3:32 PM

**To:** Bratcher, Mike, EMNRD <[mike.bratcher@state.nm.us](mailto:mike.bratcher@state.nm.us)>; Weaver, Crystal, EMNRD <[Crystal.Weaver@state.nm.us](mailto:Crystal.Weaver@state.nm.us)>; [stucker@blm.gov](mailto:stucker@blm.gov)

**Cc:** Jim Amos ([jamos@blm.gov](mailto:jamos@blm.gov)) <[jamos@blm.gov](mailto:jamos@blm.gov)>; Dakota Neel <[DNeel2@concho.com](mailto:DNeel2@concho.com)>; Aaron Lieb <[ALieb@concho.com](mailto:ALieb@concho.com)>; Yu, Olivia, EMNRD <[Olivia.Yu@state.nm.us](mailto:Olivia.Yu@state.nm.us)>

**Subject:** RE: (C-141 Initial) Triste Draw Federal Com #002H 7-26-17 (30-025-40581)

Mr. Bratcher,

Aaron Lieb has been to the leak site in question and he confirmed that the Canvasback 13 Federal #2H was nearby. It is located to the west of the lease road. The fluid was traveling through the flowline on its way to a SWD. Aaron confirmed with the production foreman of the Triste Draw Federal #2H well that fluid from that well does flow through that line. Please let me know if you have any additional questions or need any additional information.

Thank You,

Becky Haskell  
Senior HSE Coordinator  
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**From:** Bratcher, Mike, EMNRD [<mailto:mike.bratcher@state.nm.us>]

**Sent:** Tuesday, August 01, 2017 2:52 PM

**To:** Rebecca Haskell; Weaver, Crystal, EMNRD; [stucker@blm.gov](mailto:stucker@blm.gov)

**Cc:** Jim Amos ([jamos@blm.gov](mailto:jamos@blm.gov)); Dakota Neel; Aaron Lieb; Yu, Olivia, EMNRD

**Subject:** [External] RE: (C-141 Initial) Triste Draw Federal Com #002H 7-26-17 (30-025-40581)

Becky,

There still may be some confusion somewhere. The Lat/Long for the spill puts it about 180 yards SE of the Canvasback 13 Fed 2H (A-13-24-31 \* 30-015-40538) in Eddy County by about 50 yards. The Triste Draw well cited is approximately 2.5 miles from the spill site to the NE in Lea County. Doesn't seem plausible for the flowline from the Triste Draw well to be that far away?

Mike Bratcher  
NMOCD District 2  
811 South First Street  
Artesia NM 88210  
575-748-1283 Ext 108  
[mike.bratcher@state.nm.us](mailto:mike.bratcher@state.nm.us)

**From:** Rebecca Haskell [<mailto:RHaskell@concho.com>]

**Sent:** Tuesday, August 1, 2017 11:32 AM

**To:** Weaver, Crystal, EMNRD <[Crystal.Weaver@state.nm.us](mailto:Crystal.Weaver@state.nm.us)>; [stucker@blm.gov](mailto:stucker@blm.gov)

**Cc:** Bratcher, Mike, EMNRD <[mike.bratcher@state.nm.us](mailto:mike.bratcher@state.nm.us)>; Jim Amos ([jamos@blm.gov](mailto:jamos@blm.gov)) <[jamos@blm.gov](mailto:jamos@blm.gov)>; Dakota Neel <[DNeel2@concho.com](mailto:DNeel2@concho.com)>; Aaron Lieb <[ALieb@concho.com](mailto:ALieb@concho.com)>

**Subject:** FW: (C-141 Initial) Triste Draw Federal Com #002H 7-26-17 (30-025-40581)

Ms. Weaver,

I initial reported this spill to Olivia in Lea County. She pointed out below that the spill is just over the county line and is in Eddy County. I apologize for any confusion.

Thank You,

Becky Haskell  
Senior HSE Coordinator  
COG Operating LLC  
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**From:** Yu, Olivia, EMNRD [<mailto:Olivia.Yu@state.nm.us>]

**Sent:** Tuesday, August 01, 2017 11:06 AM

**To:** Rebecca Haskell; Bratcher, Mike, EMNRD; Weaver, Crystal, EMNRD

**Cc:** [stucker@blm.gov](mailto:stucker@blm.gov); [agroves@slo.state.nm.us](mailto:agroves@slo.state.nm.us); Dakota Neel; Aaron Lieb

**Subject:** [External] RE: (C-141 Initial) Triste Draw Federal Com #002H 7-26-17 (30-025-40581)

Ms. Haskell:

Thank you for your prompt response. Based on the GPS coordinates, then this release occurred just over the District line into Eddy County. PLSS for the release location needs to be corrected to 13A-24S-31E, in which case, surface and mineral ownership is Federal.

Olivia

**From:** Rebecca Haskell [<mailto:RHaskell@concho.com>]

**Sent:** Tuesday, August 1, 2017 9:49 AM

**To:** Yu, Olivia, EMNRD <[Olivia.Yu@state.nm.us](mailto:Olivia.Yu@state.nm.us)>

**Cc:** [stucker@blm.gov](mailto:stucker@blm.gov); [agroves@slo.state.nm.us](mailto:agroves@slo.state.nm.us); Dakota Neel <[DNeel2@concho.com](mailto:DNeel2@concho.com)>; Aaron Lieb <[ALieb@concho.com](mailto:ALieb@concho.com)>  
**Subject:** RE: (C-141 Initial) Triste Draw Federal Com #002H 7-26-17 (30-025-40581)

Good Morning Ms. Yu,

1. The spill was from a flowline and is located according to the GPS on the Initial C-141 submitted on 7/28/17 rather than the well location.
2. I am showing the NMOCD Permitting site has the mineral owner as Federal.
3. The surface owner of the spill location is Federal.

Please let me know if have any additional questions or need any additional information.

Thank You,

Becky Haskell  
Senior HSE Coordinator  
COG Operating LLC  
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---

**From:** Yu, Olivia, EMNRD [<mailto:Olivia.Yu@state.nm.us>]  
**Sent:** Tuesday, August 01, 2017 10:33 AM  
**To:** Rebecca Haskell  
**Cc:** [stucker@blm.gov](mailto:stucker@blm.gov); [agroves@slo.state.nm.us](mailto:agroves@slo.state.nm.us)  
**Subject:** [External] RE: (C-141 Initial) Triste Draw Federal Com #002H 7-26-17 (30-025-40581)

\*\*\*\* External email. Use caution. \*\*\*\*  
Good morning Ms. Haskell:

Please clarify these concerns regarding this release.

1. NMOCD database indicates surface ownership is Fee and mineral is State. The original application to drill in 2012 stated a State lease.
2. The GPS coordinates for the flowline release is not in proximity to the associated API well.

Thanks,  
Olivia

**From:** Rebecca Haskell [<mailto:RHaskell@concho.com>]  
**Sent:** Friday, July 28, 2017 1:36 PM  
**To:** Yu, Olivia, EMNRD <[Olivia.Yu@state.nm.us](mailto:Olivia.Yu@state.nm.us)>; [stucker@blm.gov](mailto:stucker@blm.gov)



**Cc:** Oberding, Tomas, EMNRD <[Tomas.Oberding@state.nm.us](mailto:Tomas.Oberding@state.nm.us)>; Jim Amos ([jamos@blm.gov](mailto:jamos@blm.gov)) <[jamos@blm.gov](mailto:jamos@blm.gov)>  
**Subject:** (C-141 Initial) Triste Draw Federal Com #002H 7-26-17 (30-025-40581)

Ms. Yu / Ms. Tucker,

Please see attached Initial C-141 for your consideration. If you have any questions or concerns please contact me.

Thank You,

Becky Haskell  
Senior HSE Coordinator  
COG Operating LLC  
600 W Illinois Avenue | Midland, TX 79701  
Direct: 432-818-2372 | Main: 432.683.7443  
Cell: 432-556-5130  
[rhaskell@concho.com](mailto:rhaskell@concho.com)



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