

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

Form C-141  
Revised August 8, 2011

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

## Release Notification and Corrective Action

### OPERATOR

☐ Initial Report ☒ Final Report

Name of Company:	COG Operating LLC	Contact:	Robert McNeill
Address:	600 West Illinois Avenue, Midland TX 79701	Telephone No.	432-683-7443
Facility Name:	Gadwall 35 Federal 5H Battery	Facility Type:	Tank Battery

Surface Owner:	Federal	Mineral Owner:		API No.	30-025-42291
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### LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
P	35	24S	32E	190	South	380	East	Lea

Latitude 32.1673187 Longitude 103.6382476

### NATURE OF RELEASE

Type of Release:	Produced Water	Volume of Release:	200 bbls	Volume Recovered:	193 bbls
Source of Release:	Flowline	Date and Hour of Occurrence:	12/6/2016 9:30 am	Date and Hour of Discovery:	12/6/2016 9:30 am
Was Immediate Notice Given?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	Ms. Lynch - NMOCD / Ms. Tucker - BLM		
By Whom?	Rebecca Haskell	Date and Hour:	12/6/2016 4:56 pm		
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.*					

**APPROVED**

**By Olivia Yu at 7:37 am, Apr 10, 2017**

Describe Cause of Problem and Remedial Action Taken.\*

The release was due to a pinhole leak in a steel flowline within the lined containment. A portion of the flowline was replaced.

Describe Area Affected and Cleanup Action Taken.\*

The release occurred within the lined facility. A vacuum truck was dispatched to remove all freestanding fluids. The containment has been cleaned.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD 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 NMOCD 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, NMOCD 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>	<u>OIL CONSERVATION DIVISION</u>		
Printed Name: Rebecca Haskell	Approved by Environmental Specialist: <i>[Signature]</i>		
Title: Senior HSE Coordinator	Approval Date:	Expiration Date:	
E-mail Address: <a href="mailto:rhaskell@concho.com">rhaskell@concho.com</a>	Conditions of Approval:		Attached <input type="checkbox"/>
Date: January 13, 2017 Phone: 432-683-7443			

\* Attach Additional Sheets If Necessary

1RP-4529

**From:** Rebecca Haskell  
**To:** [Yu, Olivia, EMNRD](#)  
**Cc:** [Oberding, Tomas, EMNRD](#)  
**Subject:** FW: [External] Re: (C-141 Final) Gadwall 35 Federal 5H Battery 12/6/2016 (30-025-42291)  
**Date:** Friday, April 7, 2017 1:58:02 PM

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Ms. Yu,

As per our conversation on April 4, 2017, regarding lined facilities:

A final inspection has been conducted regarding the clean-up efforts made at the above mentioned lined facility. Free fluids were removed and if present the impacted gravel was removed from the liner and taken to a NMOCD approved disposal facility. The liner was inspected for damage and found to have liner integrity to contain free fluids. Please see the attached Final C-141 and picture taken during the final inspection conducted by a COG HSE representative.



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:** Rebecca Haskell  
**Sent:** Thursday, February 09, 2017 4:52 PM

**To:** 'kristen.lynch@state.nm.us'  
**Cc:** Olivia Yu (olivia.yu@state.nm.us); Oberding, Tomas, EMNRD (Tomas.Oberding@state.nm.us);  
Dakota Neel (DNeel2@concho.com)  
**Subject:** RE: [External] Re: (C-141 Final) Gadwall 35 Federal 5H Battery 12/6/2016 (30-025-42291)

Correction Closure request submitted January 13, 2017.

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)



---

**From:** Rebecca Haskell  
**Sent:** Thursday, February 09, 2017 4:51 PM  
**To:** 'kristen.lynch@state.nm.us'  
**Cc:** Olivia Yu ([olivia.yu@state.nm.us](mailto:olivia.yu@state.nm.us)); Oberding, Tomas, EMNRD ([Tomas.Oberding@state.nm.us](mailto:Tomas.Oberding@state.nm.us));  
Dakota Neel ([DNeel2@concho.com](mailto:DNeel2@concho.com))  
**Subject:** FW: [External] Re: (C-141 Final) Gadwall 35 Federal 5H Battery 12/6/2016 (30-025-42291)

Ms. Lynch,

I am checking on the status of the Closure request for this site submitted January 6, 2017. Please see below BLM approval for closure. If you have any additional questions please feel free to 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)



**From:** Tucker, Shelly [<mailto:stucker@blm.gov>]  
**Sent:** Monday, January 30, 2017 8:45 PM  
**To:** Rebecca Haskell  
**Cc:** [kristen.lynch@state.nm.us](mailto:kristen.lynch@state.nm.us); Oberding, Tomas, EMNRD ([Tomas.Oberding@state.nm.us](mailto:Tomas.Oberding@state.nm.us)); Olivia Yu ([olivia.yu@state.nm.us](mailto:olivia.yu@state.nm.us)); Jim Amos ([jamos@blm.gov](mailto:jamos@blm.gov))  
**Subject:** [External] Re: (C-141 Final) Gadwall 35 Federal 5H Battery 12/6/2016 (30-025-42291)

\*\*\*\* External email. Use caution. \*\*\*\*

**BLM accepts your Final C-141. I will contact you if issues are noted during inspection.**

If you have any questions or concerns, please do not hesitate to contact me.

Sincerely,

*Shelly J Tucker*

Environmental Protection Specialist  
O&G Spill/Release Coordinator

Bureau of Land Management  
620 E. Greene St  
Carlsbad, NM 88220

575.234.5905 - Direct  
575.361.0084 - Cellular  
575.234.6235 - Emergency Spill Number

[stucker@blm.gov](mailto:stucker@blm.gov)

The **BLM acceptance/approval does not** relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that may pose a threat to groundwater, surface water, human health or the environment or if the location fails to reclaim properly. In such an event that the location does not revegetate, or future issues with contaminants are encountered, the operator will be asked to address the issues until the contaminant issues are fully mitigated and the location is successfully reclaimed. In addition, BLM approval does not relieve the operator of responsibility for compliance with any other federal, state or local laws/regulations.

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On Fri, Jan 13, 2017 at 12:17 PM, Rebecca Haskell <[RHaskell@concho.com](mailto:RHaskell@concho.com)> wrote:  
Ms. Lynch / Ms. Tucker,

Attached is a Final C-141 for your consideration. If you have any additional questions please feel free to 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)



---

**From:** Rebecca Haskell  
**Sent:** Thursday, December 08, 2016 3:00 PM  
**To:** 'kristen.lynch@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))  
**Subject:** (C-141 Initial) Gadwall 35 Federal 5H Battery 12/6/2016 (30-025-42291)

Ms. Lynch/Ms. Tucker,

Attached is a C-141 for your consideration. If you have any additional questions please feel free to 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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State of New Mexico  
Energy Minerals and Natural Resources

NM OIL CONSERVATION

ARTESIA DISTRICT

Form C-141  
Revised August 8, 2011

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

DEC 13 2016

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

RECEIVED

Release Notification and Corrective Action

11481635555991

Name of Company: COG Operating LLC <u>217955</u>		Contact: Robert McNeill	
Address: 600 West Illinois Avenue, Midland TX 79701		Telephone No. 432-683-7443	
Facility Name: Gadwall 35 Federal 5H Battery		Facility Type: Tank Battery	
Surface Owner: Federal	Mineral Owner:	API No.	30-025-42291

OPERATOR

☒ Initial Report ☐ Final Report

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
P	35	24S	32E	190	South	380	East	Lea

Latitude 32.1673187 Longitude 103.6382476

NATURE OF RELEASE

Type of Release: Produced Water	Volume of Release: 200 bbls	Volume Recovered: 193 bbls
Source of Release: Flowline	Date and Hour of Occurrence: 12/6/2016 9:30 am	Date and Hour of Discovery: 12/6/2016 9:30 am
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Ms. Lynch - NMOCD / Ms. Tucker - BLM	
By Whom? Rebecca Haskell	Date and Hour: 12/6/2016 4:56 pm	
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 pinhole leak in a steel flowline within the lined containment. A portion of the flowline was replaced.		
Describe Area Affected and Cleanup Action Taken.* This release occurred within a lined facility. A vacuum truck was dispatched to remove all freestanding fluids. Concho will have the spill area evaluated for any possible impact from the release and we will present a remediation work plan to the NMOCD 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 NMOCD 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 NMOCD 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, NMOCD 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: <u>Rebecca Haskell</u>	OIL CONSERVATION DIVISION	
Printed Name: Rebecca Haskell	Approved by Environmental Specialist: <u>[Signature]</u>	
Title: Senior HSE Coordinator	Approval Date: <u>12/20/16</u>	Expiration Date: <u>N/A</u>
E-mail Address: <u>rhaskell@concho.com</u>	Conditions of Approval: <u>See attached</u>	Attached <input checked="" type="checkbox"/>
Date: 12/8/2016 Phone: 432-683-7443		

\* Attach Additional Sheets If Necessary

IRP-4529

Operator/Responsible Party,

The OCD has received the form C-141 you provided on **12/13/2016** regarding an unauthorized release. The information contained on that form has been entered into our incident database and remediation case number 10P-4520 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 I office in Hobbs on or before 2/1/2017. 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](mailto:jim.griswold@state.nm.us)



## **Patterson, Heather, EMNRD**

---

**From:** Lynch, Kristen, EMNRD  
**Sent:** Tuesday, December 20, 2016 10:19 AM  
**To:** Patterson, Heather, EMNRD; Weaver, Crystal, EMNRD; Bratcher, Mike, EMNRD  
**Subject:** Fw: [External] Re: (C-141 Initial) Gadwall 35 Federal 5H Battery 12/6/2016 (30-025-42291)  
**Attachments:** Gadwall 35 Federal 5H Battery Initial C-141 12-6-16 (30-025-42291).pdf

---

**From:** Rebecca Haskell <RHaskell@concho.com>  
**Sent:** Tuesday, December 13, 2016 3:14 PM  
**To:** Tucker, Shelly  
**Cc:** Lynch, Kristen, EMNRD; Oberding, Tomas, EMNRD; Jim Amos (jamos@blm.gov)  
**Subject:** RE: [External] Re: (C-141 Initial) Gadwall 35 Federal 5H Battery 12/6/2016 (30-025-42291)

Ms. Tucker,

It is the C-141 for the Gadwall 35 Federal 5H Battery, I missed changing the name of the facility, all of the other information was correct. Please accept my apologies for making that error. I have attached a corrected C-141. Thank you for pointing the error out to 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)



**From:** Tucker, Shelly [mailto:stucker@blm.gov]  
**Sent:** Tuesday, December 13, 2016 2:49 PM  
**To:** Rebecca Haskell  
**Cc:** kristen.lynch@state.nm.us; Oberding, Tomas, EMNRD (Tomas.Oberding@state.nm.us); Jim Amos (jamos@blm.gov)  
**Subject:** [External] Re: (C-141 Initial) Gadwall 35 Federal 5H Battery 12/6/2016 (30-025-42291)

\*\*\*\* External email. Use caution. \*\*\*\*

Is this C-141 for the Gadwall 35 Federal 5H Battery or for the Lusk 19 SWD Tank Battery?

If you have any questions or concerns, please do not hesitate to contact me.

Sincerely,

*Shelly J Tucker*

Environmental Protection Specialist  
O&G Spill/Release Coordinator

Bureau of Land Management  
620 E. Greene St  
Carlsbad, NM 88220

575.234.5905 - Direct  
575.361.0084 - Cellular  
575.234.6235 - Emergency Spill Number

[stucker@blm.gov](mailto:stucker@blm.gov)

The **BLM acceptance/approval does not** relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that may pose a threat to groundwater, surface water, human health or the environment or if the location fails to reclaim properly. In such an event that the location does not revegetate, or future issues with contaminants are encountered, the operator will be asked to address the issues until the contaminant issues are fully mitigated and the location is successfully reclaimed. In addition, BLM approval does not relieve the operator of responsibility for compliance with any other federal, state or local laws/regulations.

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On Thu, Dec 8, 2016 at 2:00 PM, Rebecca Haskell <[RHaskell@concho.com](mailto:RHaskell@concho.com)> wrote:  
Ms. Lynch/Ms. Tucker,

Attached is a C-141 for your consideration. If you have any additional questions please feel free to 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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