

FORM  
6Rev  
11/20

# State of Colorado Oil and Gas Conservation Commission

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DE ET OE ES

Document Number:

403075956

Date Received:

12/12/2022

## WELL ABANDONMENT REPORT

This form is to be submitted as an Intent to Abandon whenever an abandonment is planned on a borehole. After the abandonment is complete, this form shall again be submitted as a Subsequent Report of the actual work completed. The approved intent shall be valid for six months after the approval date, after that period, a new intent will be required. Attachments required with the Intent to Abandon are wellbore diagrams of the current configuration and the proposed configuration with plugs set.

A Subsequent Report of Abandonment shall indicate the actual work completed. Attachments required with a Subsequent Report are a wellbore diagram showing plugs that were set and casing remaining in the hole, the job summaries from all plugging contractors used, including wireline and cementing (third party verification) and any logs that may have been run during abandonment.

OGCC Operator Number: 10395

Contact Name: Scott Goodwin

Name of Operator: GOODWIN ENERGY MANAGEMENT LLC

Phone: (303) 478-4800

Address: 740 S OGDEN STREET

Fax:

City: DENVER State: CO Zip: 80209

Email: scottgoodwinjr@gmail.com

For "Intent" 24 hour notice required,

Name: Medina, Justin

Tel: (720) 471-0006

COGCC contact:

Email: justin.medina@state.co.us

Type of Well Abandonment Report: ☒ Notice of Intent to Abandon ☐ Subsequent Report of Abandonment

API Number 05-001-07869-00

Well Name: BOWEN-AMOCO

Well Number: 44-08

Location: QtrQtr: SESE Section: 8 Township: 3S Range: 62W Meridian: 6

County: ADAMS

Federal, Indian or State Lease Number:

Field Name: ZENITH

Field Number: 98940

### Only Complete the Following Background Information for Intent to Abandon

Latitude: 39.798085

Longitude: -104.342065

GPS Data: GPS Quality Value: Type of GPS Quality Value: Date of Measurement:

Reason for Abandonment: ☐ Dry ☒ Production Sub-economic ☐ Mechanical Problems☐ OtherCasing to be pulled: ☐ Yes ☒ No Estimated Depth:Fish in Hole: ☐ Yes ☒ No If yes, explain details belowWellbore has Uncemented Casing leaks: ☐ Yes ☒ No If yes, explain details below

Details:

### Current and Previously Abandoned Zones

Formation	Perf. Top	Perf. Btm	Abandoned Date	Method of Isolation	Plug Depth
J SAND	7272	7348			

Total: 1 zone(s)

### Casing History

Casing Type	Size of Hole	Size of Casing	Grade	Wt/Ft	Csg/Liner Top	Setting Depth	Sacks Cmt	Cmt Btm	Cmt Top	Status
SURF	12+1/2	8+5/8	UNK	24	0	170	200	170	0	
1ST	7+7/8	4+1/2	J55	10.5	0	7427	200	7427	6532	CALC

## Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 7222 with 2 sacks cmt on top. CIBP #2: Depth \_\_\_\_\_ with \_\_\_\_\_ sacks cmt on top.  
CIBP #3: Depth \_\_\_\_\_ with \_\_\_\_\_ sacks cmt on top. CIBP #4: Depth \_\_\_\_\_ with \_\_\_\_\_ sacks cmt on top.  
CIBP #5: Depth \_\_\_\_\_ with \_\_\_\_\_ sacks cmt on top.

NOTE: Two(2) sacks cement required on all CIBPs.

Set \_\_\_\_\_ sks cmt from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Plug Type: \_\_\_\_\_ Plug Tagged: ☐  
Set \_\_\_\_\_ sks cmt from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Plug Type: \_\_\_\_\_ Plug Tagged: ☐  
Set \_\_\_\_\_ sks cmt from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Plug Type: \_\_\_\_\_ Plug Tagged: ☐  
Set \_\_\_\_\_ sks cmt from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Plug Type: \_\_\_\_\_ Plug Tagged: ☐  
Set \_\_\_\_\_ sks cmt from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Plug Type: \_\_\_\_\_ Plug Tagged: ☐

Perforate and squeeze at 6474 ft. with 50 sacks. Leave at least 100 ft. in casing 6424 CICR Depth

Perforate and squeeze at 4550 ft. with 85 sacks. Leave at least 100 ft. in casing 4350 CICR Depth

Perforate and squeeze at 1235 ft. with 50 sacks. Leave at least 100 ft. in casing 1135 CICR Depth

(Cast Iron Cement Retainer Depth)

Set \_\_\_\_\_ sacks half in. half out surface casing from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Plug Tagged: ☐

Set \_\_\_\_\_ sacks at surface

Cut four feet below ground level, weld on plate Above Ground Dry-Hole Marker: ☐ Yes ☒ No

Set \_\_\_\_\_ sacks in rat hole Set \_\_\_\_\_ sacks in mouse hole

### Additional Plugging Information for Subsequent Report Only

Casing Recovered: \_\_\_\_\_ ft. of \_\_\_\_\_ inch casing

Surface Plug Setting Date: \_\_\_\_\_ Cut and Cap Date: \_\_\_\_\_ Number of Days from Setting Surface Plug to Capping or Sealing the Well: \_\_\_\_\_

\*Wireline Contractor: \_\_\_\_\_

\*Cementing Contractor: \_\_\_\_\_

Type of Cement and Additives Used: \_\_\_\_\_

Flowline/Pipeline has been abandoned per Rule 1105 ☐ Yes ☐ No

Technical Detail/Comments:

Perforate at 1100' & 1035'; CICR at 1060', Pump 25 sacks cement  
Perforate at 611' CICR at 561' Pump 40 sacks cement  
Perforate at 220' and pump 90 sacks cement

I hereby certify all statements made in this form are, to the best of my knowledge, true, correct, and complete.

Signed: \_\_\_\_\_ Print Name: Jessica Donahue

Title: Compliance Specialist Date: 12/12/2022 Email: jdonahue@ardorenvironmental.com

Based on the information provided herein, this Well Abandonment Report (Form 6) complies with COGCC Rules and applicable orders and is hereby approved.

COGCC Approved: Jacobson, Eric Date: 1/19/2023

CONDITIONS OF APPROVAL, IF ANY:

Expiration Date: 7/18/2023

COA Type	Description
	<p>Prior to starting plugging operations a bradenhead test shall be performed if there has not been a reported bradenhead test within the 60 days immediately preceding the start of plugging operations.</p> <p>1) If, before opening the bradenhead valve, the beginning pressure is greater than 25 psi, sampling is required.</p> <p>2) If pressure remains at the conclusion of the test, or if any liquids were present during the test, sampling is required.</p> <p>The Form 17 shall be submitted within 10 days of the test. Sampling shall comply with Operator Guidance - Bradenhead Testing and Reporting Instructions. If samples are collected, copies of all final laboratory analytical results shall be provided to the COGCC within three (3) months of collecting the samples.</p> <p>If there is a need for sampling, contact COGCC engineering for verification of plugging procedure.</p>
	<p>Consistent with Rule 911.a, a Form 27 must be approved prior to cut and cap, conducting flowline abandonment, or removing production equipment. Allow 30 days for Director review of the Form 27; include the Form 27 document number on the Form 44 for offsite flowline abandonment (if applicable) and on the Form 6 Subsequent.</p> <p>Properly abandon flowlines per Rule 1105. If flowlines will be abandoned in place, include with the Form 27: pressure test results conducted in the prior 12 months as well as identification of any document numbers for a COGCC Spill/Release Report, Form 19, associated with the abandoned line.</p>
	<p>PLUG ADDED</p> <p>Perforate at 611' CICR at 561' Pump 40 sacks cement.</p> <p>Operator to submit updated WBD with the Form 6 SROA</p>
	<p>Submit "as drilled" GPS data on Subsequent Report of Abandonment. GPS data must meet the requirements of Rule 216.</p>
	<p>This oil and gas location is located within a mapped floodplain of an intermittent stream. At a minimum, operator will review the stormwater program and implement stormwater BMPs and erosion control measures as needed to prevent fine-grained sediment and impacted stormwater runoff from entering surface water.</p>
	<p>Operator will implement measures to capture, combust, or control emissions to protect health and safety, and to ensure that vapors and odors from well plugging operations do not constitute a nuisance or hazard to public health, welfare and the environment.</p>
	<p>CBL to be run prior to plugging to verify stage tool setting depth and existing coverage - submit to COGCC for verification of plugging orders.</p>
	<p>1) Provide electronic Form 42 Notice of MIRU 2 business days ahead of operations and electronic Form 42 Notice of Plugging Operations 48 hours prior to mobilizing for plugging operations.</p> <p>2) Prior to placing the 220' plug: verify that all fluid (liquid and gas) migration has been eliminated. If evidence of fluid migration or pressure remains, contact COGCC Engineer for an update to plugging orders.</p> <p>3) After isolation has been verified, pump surface casing shoe plug. If cement is not circulated to surface, shut-in, WOC 4 hours then tag plug – must be at 120' or shallower and provide 10 sx plug at the surface.</p> <p>4) Leave at least 100' of cement in the wellbore for each plug without mechanical isolation.</p> <p>5) With the Form 6 SRA operator must provide written documentation which positively affirms each COA listed above has been addressed.</p>
	<p>Submit Operator's Monthly Production Reports (Form 7) required for compliance with Rule 413 within 30 days. Missing 5/2019-9/2019, 10/2019, 4/2022.</p>
9 COAs	

### Attachment List

<u>Att Doc Num</u>	<u>Name</u>
403075956	FORM 6 INTENT SUBMITTED
403075972	WELLBORE DIAGRAM
403256664	WELLBORE DIAGRAM

Total Attach: 3 Files

### General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
OGLA	OGLA review is complete.	12/12/2022
OGLA	OGLA review is complete.	12/12/2022
Engineer	RTD	07/27/2022
Engineer	Well file verification not completed prior to approval of NOIA.	06/21/2022
Engineer	Deepest Water Well within 1 Mile – 340' SB5 Base of Fox Hills - 1127'  Denver / 5156 / 5257 / 94.0 / 108 / 7 / 25.57NNT Upper Arapahoe / 4753 / 5111 / 101.2 / 511 / 153 / 27.53NNT Lower Arapahoe / 4625 / 4810 / 85 / 639 / 454 / 23.12E NT Laramie-Fox Hills / 4137 / 4364 / 106.5 / 1127 / 900 / 25.56NT	06/21/2022
Permit	Confirmed as-drilled well location. Reviewed WBDs. Production reporting delinquent. Pass.	06/13/2022

Total: 6 comment(s)