

FORM
6Rev
11/20

State of Colorado

Energy & Carbon Management Commission

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DE ET OE ES

Document Number:

404078984

Date Received:

02/03/2025

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.

ECMC Operator Number: 10695

Contact Name: Deborah Abrams

Name of Operator: BEHRENS RESOURCES INC

Phone: (303) 8942100

Address: PO BOX 188

Fax:

City: DEER TRAIL State: CO Zip: 80135

Email: deborah.abrams@state.co.us

For "Intent" 24 hour notice required,

Name: Medina, Justin

Tel: (720) 471-0006

ECMC contact:

Email: justin.medina@state.co.us

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

API Number 05-005-06866-00

Well Name: STATE-CRAIG

Well Number: 2-16 (OWP)

Location: QtrQtr: SESW Section: 16 Township: 5S Range: 62W Meridian: 6

County: ARAPAHOE

Federal, Indian or State Lease Number: 68-5117-S

Field Name: PRONGHORN

Field Number: 70650

Only Complete the Following Background Information for Intent to Abandon

Latitude: 39.609770 Longitude: -104.335110

GPS Data: GPS Quality Value: 3.0 Type of GPS Quality Value: Date of Measurement: 09/24/2010

Reason for Abandonment: ☐ Dry ☐ Production Sub-economic ☐ Mechanical Problems☒ Other OWPCasing 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	7472	7500			

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+1/4	8+5/8	UNK	24	0	295	270	295	0	VISU
1ST	7+7/8	4+1/2	UNK	11.6	0	7534	200	7534	6660	CALC

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 7397 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 <u>85</u> sks cmt from <u>1499</u> ft. to <u>1150</u> ft.	Plug Type: <u>ANNULUS</u>	Plug Tagged: <input type="checkbox"/>
Set <u>35</u> sks cmt from <u>1499</u> ft. to <u>1150</u> ft.	Plug Type: <u>CASING</u>	Plug Tagged: <input checked="" type="checkbox"/>
Set <u>150</u> sks cmt from <u>990</u> ft. to <u>379</u> ft.	Plug Type: <u>ANNULUS</u>	Plug Tagged: <input type="checkbox"/>
Set <u>55</u> sks cmt from <u>990</u> ft. to <u>379</u> ft.	Plug Type: <u>CASING</u>	Plug Tagged: <input checked="" type="checkbox"/>
Set <u>85</u> sks cmt from <u>345</u> ft. to <u>0</u> ft.	Plug Type: <u>ANNULUS</u>	Plug Tagged: <input type="checkbox"/>

Perforate and squeeze at 6600 ft. with 40 sacks. Leave at least 100 ft. in casing 6550 CICR Depth

Perforate and squeeze at 2400 ft. with 40 sacks. Leave at least 100 ft. in casing 2350 CICR Depth

Perforate and squeeze at _____ ft. with _____ sacks. Leave at least 100 ft. in casing _____ CICR Depth

(Cast Iron Cement Retainer Depth)

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

Set 30 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:

Ran out of plug fields on Plugging Procedures tab. Surface plug is intended to be 115 sx at 345' to surface, 85 sx through annulus, 30 sx in casing.
Perforate at 990'
Perforate at 345'

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

Signed: _____ Print Name: Deborah Abrams

Title: OWP Date: 2/3/2025 Email: deborah.abrams@state.co.us

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

ECMC Approved: Jacobson, Eric Date: 2/12/2025

CONDITIONS OF APPROVAL, IF ANY LIST

Expiration Date: 8/11/2025

COA Type	Description
	Verify existing cement coverage by CBL - submit to ECMC for verification of plugging orders prior to continuing plugging operations.
	<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 ECMC within three (3) months of collecting the samples.</p> <p>If there is a need for sampling, contact ECMC 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 ECMC Spill/Release Report, Form 19, associated with the abandoned line.</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. These are two separate notifications, required by Rules 405.e and 405.l.</p> <p>2) Prior to placing cement above the base of the Upper Pierre (2350') : verify that all fluid (liquid and gas) migration has been eliminated. If evidence of fluid migration or pressure remains, contact ECMC Engineer for an update to plugging orders.</p> <p>3) Pump surface casing shoe plug at 345' only after isolation has been verified. If surface casing cement is not circulated to surface, shut-in, WOC 4 hours then tag plug – must be at 245' or shallower and provide a minimum of 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) After cut and prior to cap, verify isolation by either a 15 minute bubble test or 15 minute optical gas imaging recording. If there is indication of flow contact ECMC Engineering. Provide a statement on the 6SRA which method was used and what was observed. Retain records of final isolation test for 5 years.</p> <p>6) With the Form 6 SRA operator must provide written documentation which positively affirms each COA listed above has been addressed.</p>
	Operator shall implement measures to control venting, 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 welfare.
	Notification will be given to any adjacent building unit occupants within a 1,000 feet of the wellhead of planned P&A start date.
6 COAs	

ATTACHMENT LIST

<u>Att Doc Num</u>	<u>Name</u>
2139071	WELLBORE DIAGRAM
404078984	FORM 6 INTENT SUBMITTED

Total Attach: 2 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Engineer	Deepest Water Well within 1 Mile – 400' SB5 Base of Fox Hills - 1449' SB5 Base of Upper Arapahoe - 940' SB5 Base of Denver - 393' Denver / 5276 / 5546 / 170.2 / 393 / 123 / 46.29 / NNT Upper Arapahoe / 4729 / 5240 / 193.4 / 940 / 429 / 52.60 / NNT Laramie-Fox Hills / 4220 / 4469 / 130.1 / 1449 / 1200 / 31.22 / NT	02/12/2025
OGLA	Location Assessment review complete.	02/11/2025
OGLA	Location is in a CPW mapped Pronghorn Winter Concentration Area High Priority Habitat. Although plugging and abandonment operations with heavy equipment will be allowed, the operator is strongly encouraged to avoid them from January 1 through April 30.	02/11/2025
Permit	Confirmed as-drilled well location. Production reporting delinquent, missing 8/2019-present. Confirmed productive intervals docnum: 414439. Reviewed WBDs. Pass.	02/04/2025

Total: 4 comment(s)