

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.

Document Number:
 403475016
 Date Received:
 08/10/2023

OGCC Operator Number: 10670 Contact Name: Jake Van Bramer
 Name of Operator: BISON IV OPERATING LLC Phone: (720) 370-5484
 Address: 518 17TH STREET SUITE 1800 Fax: _____
 City: DENVER State: CO Zip: 80202 Email: jvanbramer@bisonog.com

For "Intent" 24 hour notice required, Name: Petrie, Erica Tel: (303) 726-3822
COGCC contact: Email: erica.petrie@state.co.us

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

API Number 05-123-14755-00
 Well Name: ANDREWS Well Number: 8-7
 Location: QtrQtr: SENE Section: 7 Township: 7N Range: 59W Meridian: 6
 County: WELD Federal, Indian or State Lease Number: _____
 Field Name: CARETAKER Field Number: 10225

Only Complete the Following Background Information for Intent to Abandon

Latitude: 40.591516 Longitude: -104.014099
 GPS Data: GPS Quality Value: _____ Type of GPS Quality Value: _____ Date of Measurement: _____
 Reason for Abandonment: Dry Production Sub-economic Mechanical Problems
 Other Re-enter to re-plug
 Casing to be pulled: Yes No Estimated Depth: _____
 Fish in Hole: Yes No If yes, explain details below
 Wellbore 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

Total: 0 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	NA	24	0	419	245	419	0	VISU
OPEN HOLE	7+7/8				419	6973				

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth _____ with _____ 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 100 sks cmt from 6177 ft. to 5877 ft. Plug Type: OPEN HOLE Plug Tagged:
Set 50 sks cmt from 1664 ft. to 1514 ft. Plug Type: OPEN HOLE 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 _____ ft. with _____ sacks. Leave at least 100 ft. in casing _____ CICR Depth
Perforate and squeeze at _____ ft. with _____ sacks. Leave at least 100 ft. in casing _____ CICR Depth
Perforate and squeeze at _____ ft. with _____ sacks. Leave at least 100 ft. in casing _____ CICR Depth
(Cast Iron Cement Retainer Depth)
Set 190 sacks half in. half out surface casing from 620 ft. to 0 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 Number of Days from Setting Surface Plug to Capping or Sealing the Well: _____
Surface Plug Setting Date: _____ Cut and Cap Date: _____
*Wireline Contractor: _____ *Cementing Contractor: _____
Type of Cement and Additives Used: _____
Flowline/Pipeline has been abandoned per Rule 1105 Yes No

Technical Detail/Comments:

Well was not historically perforated. Plug from 6860' to 6750' was previously set on 09/26/1990, to remain. Operator is re-entering for P&A prior to Hydraulic Fracturing Treatment on the Mottled Pad (Loc ID 453399). A closed loop system will be used. See the attached procedure for additional details.

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

Signed: _____ Print Name: Rachel Milne
Title: Regulatory Consultant Date: 8/10/2023 Email: rmilne@bisonog.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: Wolfe, Stephen Date: 8/28/2023

CONDITIONS OF APPROVAL, IF ANY: _____

Expiration Date: 2/27/2024

COA Type	Description
	<p>Plugging</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) Plugs and squeezes will be placed as stated in the Plugging Procedure section of the approved NOIA unless revised by COA or prior approval from ECMC is obtained.</p> <p>3) The wellbore must be static prior to placing cement plugs which are to be a minimum of 100' in length for all but surface plugs. Mechanical isolation requires a 25' cement plug, minimum. For plugs not specified to be tagged, a tag is required if circulation is not maintained while pumping plug and displacing to depth. Tag at tops specified or shallower. Notify ECMC Area Engineer before adding cement to previous plug.</p> <p>4) Place a 50' plug (minimum) at the surface, both inside the inner most casing and in all annular spaces. Surface plugs shall be circulated to surface. Confirm cement to surface in all strings during cut and cap.</p> <p>5) With the Form 6 SRA operator must provide written documentation which positively affirms each COA has been addressed.</p> <p>6) Operator must wait a sufficient time on all plugs to achieve the intended design. If at any time during the plugging there is evidence of previously unreported pressure or fluid migration, contact ECMC Area Engineer before continuing operations.</p> <p>7) Plugging procedure has been modified as follows, AB plug - 6860-6750', 35 sx in casing 9/26/90 - CALC, to remain, Plug #1 - 6177-5877', 100 sx open hole plug, see COA #3 for tag, Plug #2 - 1664-1514', 50 sx open hole plug, WOC and tag, Plug #3 - 620-0', 190 sx open hole plug to surface, WOC and tag at 150' or shallower, NOTE change to depth and vol, Plug #4 - 50' of cement at the surface, see COA #4, if needed.</p>
	Well 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.
2 COAs	

Attachment List

Att Doc Num	Name
403475016	FORM 6 INTENT SUBMITTED
403475714	PROPOSED PLUGGING PROCEDURE
403475716	WELLBORE DIAGRAM
403493719	LOCATION PHOTO
403493720	SURFACE OWNER CONSENT

Total Attach: 5 Files

General Comments

User Group	Comment	Comment Date
Engineer	Groundwater=Laramie-Fox Hills, Upper Pierre Deepest water well=428'(2mi, 30 records) Log=123-14755 9/26/90 GR=4957 L-FH base 570' UP 820-1585'	08/25/2023
Permit	-Verified SHL lat./long - No zones were produced, well was dry as per document 225949 - No production reports to verify since well was dry -Passed Permit Review	08/24/2023
OGLA	OGLA review complete.	08/15/2023

Total: 3 comment(s)