

FORM
6
Rev
11/20

State of Colorado
Energy & Carbon Management Commission



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1120 Lincoln Street, Suite 801, Denver, Colorado 80203 Phone: (303) 894-2100 Fax: (303) 894-2109

Replug By Other Operator

Document Number:

403477497

Date Received:

08/04/2023

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: 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 05-123-14673-00
 Well Name: ROTH Well Number: 11-7
 Location: QtrQtr: NESW 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: 40.587886 Longitude: -104.023650
 GPS Data: GPS Quality Value: _____ Type of GPS Quality Value: _____ Date of Measurement: _____
 Reason for Abandonment: Dry Production Sub-economic Mechanical Problems
 Other Re-entry 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
D SAND	6767	6779	08/18/1990	CEMENT	6128

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	NA	24	0	307	300	307	0	VISU
1ST	7+7/8	4+1/2	NA	10.5	889	6950	195	6950	6146	CALC
OPEN HOLE	7+7/8					307	889			

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 10 sks cmt from 5900 ft. to 5800 ft. Plug Type: CASING Plug Tagged:
Set 20 sks cmt from 1585 ft. to 1485 ft. Plug Type: CASING Plug Tagged:
Set 65 sks cmt from 889 ft. to 689 ft. Plug Type: CASING 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 5950 ft. with 60 sacks. Leave at least 100 ft. in casing 5900 CICR Depth
Perforate and squeeze at 1635 ft. with 60 sacks. Leave at least 100 ft. in casing 1585 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 570 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
Surface Plug Setting Date: _____ Cut and Cap Date: _____ 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:

Previous 40 sx abandonment plug at casing collapse at 6128' to remain. 170' inside casing, remainder squeezed outside.
A closed loop system will be used.
See the attached procedure for additional details.

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.

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: 8/4/2023 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 - 6128-5958', 30 sx in casing, 6128-6088' 10 sx in annulus - CALC, to remain Plug #1 - 5950', perf and squeeze 60 sx through a CICR set at 5900', spot 10 sx on top of the CICR, NOTE change to vol, Plug #2 - 1635', perf and squeeze 60 sx into a CICR set at 1585', upper holes at 1425', spot 20 sx on top of the CICR, NOTE change to depth and vol, Plug #3 - 889-689', 65 sx open hole plug, WOC and tag at 689' or shallower, Plug #4 - 570-0', 190 sx open hole/cased plug to surface, WOC and tag at 150' or shallower, NOTE change to depth and vol, Plug #5 - 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.
	Due to the proximity to a mapped wetland, operator will use secondary containment for all tanks and other liquid containers. Operator will implement stormwater BMPs and erosion control measures to prevent sediment and stormwater runoff from entering the wetlands.
	Submit "as drilled" GPS data on Subsequent Report of Abandonment. GPS data must meet the requirements of Rule 216.
4 COAs	

Attachment List

Att Doc Num	Name
403477497	FORM 6 INTENT SUBMITTED
403477587	PROPOSED PLUGGING PROCEDURE
403477588	WELLBORE DIAGRAM
403487360	LOCATION PHOTO
403487361	SURFACE OWNER CONSENT

Total Attach: 5 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Engineer	Groundwater=Laramie-Fox Hills, Upper Pierre Deepest water well=428'(2mi, 30 records) Log=123-14673 8/1/90 GR=4896 L-FH base 510', UP 760-1535'	08/23/2023
OGLA	OGLA review complete.	08/15/2023
Permit	No other forms in process. Confirmed productive interval docnum: 225910. Reviewed attachments. Pass.	08/07/2023

Total: 3 comment(s)