

<div>FORM</div> <div>6</div> <div>Rev 11/20</div>	<div>State of Colorado</div> <div>Energy & Carbon Management Commission</div> <div>1120 Lincoln Street, Suite 801, Denver, Colorado 80203 Phone: (303) 894-2100 Fax: (303) 894-2109</div>		<div><div></div><div></div></div>		<div>DE</div> <div>ET</div> <div>OE</div> <div>ES</div>
	<div>Replug By Other Operator</div> <div>Document Number: 403800117</div> <div>Date Received: 05/22/2024</div>				

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: 10670		Contact Name: Mandie Flinn	
Name of Operator: BISON IV OPERATING LLC		Phone: (720) 261-4461	
Address: 518 17TH STREET SUITE 1800		Fax:	
City: DENVER	State: CO	Zip: 80202	Email: mflinn@bisonog.com
For "Intent" 24 hour notice required,		Name: Petrie, Erica	Tel: (303) 726-3822
ECMC contact:		Email: erica.petrie@state.co.us	

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

API Number 05-123-14040-00		Well Number: 1	
Well Name: WILLETT			
Location: QtrQtr: NESE	Section: 32	Township: 8N	Range: 59W Meridian: 6
County: WELD	Federal, Indian or State Lease Number:		
Field Name: RATTLESNAKE BUTTES	Field Number: 72410		

Only Complete the Following Background Information for Intent to Abandon

Latitude: 40.616686	Longitude: -103.994599
GPS Data: GPS Quality Value:	Type of GPS Quality Value: Date of Measurement:
Reason for Abandonment: <input type="checkbox"/> Dry <input type="checkbox"/> Production Sub-economic <input type="checkbox"/> Mechanical Problems	
<input checked="" type="checkbox"/> Other Offset Frac Reentry	
Casing to be pulled: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Estimated Depth:
Fish in Hole: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes, explain details below
Wellbore has Uncemented Casing leaks: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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	24	na	0	322	240	322	322	VISU
OPEN HOLE	7+7/8				322	6950				

Date Run: 5/29/2024 Doc [#403800117] Well Name: WILLETT 1

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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 _____	sks cmt from _____	ft. to _____	ft.	Plug Type: _____	Plug Tagged: <input type="checkbox"/>
Set 100	sks cmt from 6184	ft. to 5884	ft.	Plug Type: OPEN HOLE	Plug Tagged: <input type="checkbox"/>
Set 50	sks cmt from 1591	ft. to 1441	ft.	Plug Type: OPEN HOLE	Plug Tagged: <input checked="" type="checkbox"/>
Set _____	sks cmt from _____	ft. to _____	ft.	Plug Type: _____	Plug Tagged: <input type="checkbox"/>
Set _____	sks cmt from _____	ft. to _____	ft.	Plug Type: _____	Plug Tagged: <input type="checkbox"/>

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 186 sacks half in. half out surface casing from 566 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

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:

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

Signed: _____ Print Name: Mandie Flinn

Title: Operations Tech Date: 5/22/2024 Email: mflinn@bisonog.com

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: Wolfe, Stephen

Date: 5/29/2024

CONDITIONS OF APPROVAL, IF ANY LIST

Expiration Date: 11/28/2024

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. Wait on cement(WOC) a minimum of 4 hrs before tagging a plug. Tag at tops specified. Notify ECMC Area Engineer before adding cement to previous plug due to low cement top.</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 and complete isolation in all strings during cut and cap. 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 6 SRA which method was used and what was observed. Retain records of final isolation test for 5 years.</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, See COA #3 for requirements to tag, Previous 30 sx open hole abandonment plug set at 6820-6730' on 9/3/1988 to remain, Plug #1 - 6184-5884', 100 sx open hole plug, Plug #2 - 1591-1441', 50 sx open hole plug, WOC and tag, Plug #3 - 566-0', 186 sx open hole plug, WOC and tag if not circulated to the surface, Plug #4 - 50' of cement at the surface in both the casing and the annulus per COA #4, if needed.</p>
	Due to close proximity to Residential Building Units (RBUs): prior to commencing operations, at a minimum, the operator will provide an informational sheet to the owners/occupants of RBUs that are nearby and adjacent to the parcel on which the well is located. The sheet will include the operator's contact information and the nature, timing, and expected duration of the P&A operations.
2 COAs	

ATTACHMENT LIST

<u>Att Doc Num</u>	<u>Name</u>
403800117	WELL ABANDONMENT REPORT (INTENT)
403800132	LOCATION PHOTO
403800133	SURFACE OWNER CONSENT
403800134	PROPOSED PLUGGING PROCEDURE
403800137	WELLBORE DIAGRAM
403800138	WELLBORE DIAGRAM
403807379	FORM 6 INTENT SUBMITTED

Total Attach: 7 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Engineer	Groundwater=Laramie-Fox Hills, Upper Pierre Deepest water well=1525', 320'(1mi, 17 records) Log=123-14040 9/2/1988 GR=5000' L-FH base 506', UP 890-1541'	05/29/2024
OGLA	Location Assessment Specialist (LAS) review complete. Well is not in a HPH and not near surface waters or wetlands.	05/29/2024
OGLA	Different operator listed on Scout Card (On Scout Card: ENERGY MINERALS CORP - 27550)	05/29/2024
Permit	Verify GPS data No Production zones or reports to verify Passed Permit Review	05/23/2024

Total: 4 comment(s)