



<div>FORM</div> <div>6</div> <div>Rev 11/20</div>	<div>State of Colorado</div> <div>Energy &amp; Carbon Management Commission</div> <div>1120 Lincoln Street, Suite 801, Denver, Colorado 80203 Phone: (303) 894-2100 Fax: (303) 894-2109</div>		<div></div>	<table><tr><td>DE</td><td>ET</td><td>OE</td><td>ES</td></tr></table>	DE	ET	OE	ES																												
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<div>WELL ABANDONMENT REPORT</div> <div>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.</div>			<div>Replug By Other Operator</div> <div>Document Number: 403789601</div> <div>Date Received: 05/14/2024</div>																																	
<div>ECMC Operator Number: 10670</div> <div>Name of Operator: BISON IV OPERATING LLC</div> <div>Address: 518 17TH STREET SUITE 1800</div> <div>City: DENVER State: CO Zip: 80202</div>		<div>Contact Name: Mandie Flinn</div> <div>Phone: (720) 261-4461</div> <div>Fax:</div> <div>Email: mflinn@bisonog.com</div>																																		
<div>For "Intent" 24 hour notice required,</div> <div>ECMC contact:</div>		<div>Name: Petrie, Erica</div> <div>Email: erica.petrie@state.co.us</div> <div>Tel: (303) 726-3822</div>																																		
<div>Type of Well Abandonment Report: <input checked="" type="checkbox"/> Notice of Intent to Abandon <input type="checkbox"/> Subsequent Report of Abandonment</div>																																				
<div>API Number 05-123-19442-00</div> <div>Well Name: MALO Well Number: 10-20</div> <div>Location: QtrQtr: NWSE Section: 20 Township: 8N Range: 59W Meridian: 6</div> <div>County: WELD Federal, Indian or State Lease Number:</div> <div>Field Name: WILDCAT Field Number: 99999</div>																																				
<div>Only Complete the Following Background Information for Intent to Abandon</div> <div>Latitude: 40.645855 Longitude: -103.998739</div> <div>GPS Data: GPS Quality Value: Type of GPS Quality Value: Date of Measurement:</div> <div>Reason for Abandonment: <input type="checkbox"/> Dry <input type="checkbox"/> Production Sub-economic <input type="checkbox"/> Mechanical Problems</div> <div><input checked="" type="checkbox"/> Other Offset Frac Reentry</div> <div>Casing to be pulled: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Estimated Depth:</div> <div>Fish in Hole: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, explain details below</div> <div>Wellbore has Uncemented Casing leaks: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, explain details below</div> <div>Details:</div>																																				
<div>Current and Previously Abandoned Zones</div> <table><thead><tr><th>Formation</th><th>Perf. Top</th><th>Perf. Btm</th><th>Abandoned Date</th><th>Method of Isolation</th><th>Plug Depth</th></tr></thead><tbody><tr><td></td><td></td><td></td><td></td><td></td><td></td></tr></tbody></table> <div>Total: 0 zone(s)</div>				Formation	Perf. Top	Perf. Btm	Abandoned Date	Method of Isolation	Plug Depth																											
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<div>Casing History</div> <table><thead><tr><th>Casing Type</th><th>Size of Hole</th><th>Size of Casing</th><th>Grade</th><th>Wt/Ft</th><th>Csg/Liner Top</th><th>Setting Depth</th><th>Sacks Cmt</th><th>Cmt Btm</th><th>Cmt Top</th><th>Status</th></tr></thead><tbody><tr><td>SURF</td><td>12+1/4</td><td>8+5/8</td><td>na</td><td>na</td><td>0</td><td>312</td><td>187</td><td>312</td><td>0</td><td>VISU</td></tr><tr><td>OPEN HOLE</td><td>7+7/8</td><td></td><td></td><td></td><td>312</td><td>6822</td><td></td><td></td><td></td><td></td></tr></tbody></table>				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	na	0	312	187	312	0	VISU	OPEN HOLE	7+7/8				312	6822				
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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 6028	ft. to 5728	ft.	Plug Type: OPEN HOLE	Plug Tagged: <input type="checkbox"/>
Set 50	sks cmt from 1428	ft. to 1278	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

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(Cast Iron Cement Retainer Depth)

Set 130 sacks half in. half out surface casing from 400 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: 5/14/2024 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 40 sx abandonment plug set at 6796-6650' set on 9/15/97 to remain, Plug #1 - 6028-5728', 100 sx open hole plug, Plug #2 - 1428-1278', 50 sx open hole plug, WOC and tag, Plug #3 - 400-0', 130 sx open hole plug, WOC and tag if not circulated to the surface, NOTE: change to depth, Plug #4 - 50' of cement at the surface in both the casing and the annulus per COA #4, if needed</p>
	Due to proximity to a mapped wetland, surface water and expected shallow groundwater, operator will use secondary containment for all tanks and other liquid containers. Operator will implement stormwater BMPs and erosion control measures as needed to prevent sediment and stormwater runoff from entering the wetland and surface water.
	Submit "as drilled" GPS data on Subsequent Report of Abandonment. GPS data must meet the requirements of Rule 216.
3 COAs	

#### **ATTACHMENT LIST**

Att Doc Num	Name
403789601	WELL ABANDONMENT REPORT (INTENT)
403789629	WELLBORE DIAGRAM
403789630	WELLBORE DIAGRAM
403789631	PROPOSED PLUGGING PROCEDURE
403789633	LOCATION PHOTO
403789635	SURFACE OWNER CONSENT
403807403	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=1060(2mi, 23 records) Log=123-05497 2/7/55 GR=4897 L-FH base 410' UP 790-1490'	05/22/2024
Engineer	Original abandonment plug at 6796-6650' is not labeled correctly on the proposed wellbore diagram and will be corrected by the operator prior to the plugging.	05/21/2024
OGLA	Location Assessment Specialist (LAS) review complete. Well is not in a HPH and not near RBUs.	05/21/2024
Permit	No other forms in process. Reviewed attachments. Pass.	05/15/2024

Total: 4 comment(s)