

**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:  
 403800117  
 Date Received:  
 05/22/2024

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  
 Email: erica.petrie@state.co.us  
**ECMC contact:**

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

API Number 05-123-14040-00  
 Well Name: WILLETT Well Number: 1  
 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:  Dry  Production Sub-economic  Mechanical Problems  
 Other Offset Frac Reentry  
 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          | 24    | na    | 0             | 322           | 240       | 322     | 322     | VISU   |
| OPEN HOLE   | 7+7/8        |                |       |       | 322           | 6950          |           |         |         |        |

## 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:   
Set 100 sks cmt from 6184 ft. to 5884 ft. Plug Type: OPEN HOLE Plug Tagged:   
Set 50 sks cmt from 1591 ft. to 1441 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:   
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 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:

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,<br/>See COA #3 for requirements to tag,<br/>Previous 30 sx open hole abandonment plug set at 6820-6730' on 9/3/1988 to remain,<br/>Plug #1 - 6184-5884', 100 sx open hole plug,<br/>Plug #2 - 1591-1441', 50 sx open hole plug, WOC and tag,<br/>Plug #3 - 566-0', 186 sx open hole plug, WOC and tag if not circulated to the surface,<br/>Plug #4 - 50' of cement at the surface in both the casing and the annulus per COA #4, if needed.</p> |
|          | <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&amp;A operations.</p>   |

2 COAs

**ATTACHMENT LIST**

| <b><u>Att Doc Num</u></b> | <b><u>Name</u></b>               |
|---------------------------|----------------------------------|
| 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<br>Deepest water well=1525', 320'(1mi, 17 records)<br>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<br>No Production zones or reports to verify<br>Passed Permit Review  | 05/23/2024          |

Total: 4 comment(s)