

Document Number:  
401600589

Date Received:  
04/17/2018

**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: 10112 Contact Name: Alyssa Beard

Name of Operator: FOUNDATION ENERGY MANAGEMENT LLC Phone: (303) 2448114

Address: 5057 KELLER SPRINGS RD STE 650 Fax: \_\_\_\_\_

City: ADDISON State: TX Zip: 75001 Email: regulatory@foundationenergy.com

**For "Intent" 24 hour notice required,** Name: Pesicka, Conor Tel: (970) 415-0789

**COGCC contact:** Email: conor.pesicka@state.co.us

API Number 05-123-19627-00

Well Name: HILL Well Number: 31-9-11

Location: QtrQtr: NESE Section: 31 Township: 8N Range: 60W Meridian: 6

County: WELD Federal, Indian or State Lease Number: \_\_\_\_\_

Field Name: BIRD HAVEN Field Number: 6765

Notice of Intent to Abandon       Subsequent Report of Abandonment

*Only Complete the Following Background Information for Intent to Abandon*

Latitude: 40.615850 Longitude: -104.128274

GPS Data:  
Date of Measurement: 05/09/2007 PDOP Reading: 4.2 GPS Instrument Operator's Name: KATHY MCCORMICK

Reason for Abandonment:  Dry  Production Sub-economic  Mechanical Problems

Other \_\_\_\_\_

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    | 6910      | 6920      |                |                     |            |
| J SAND    | 6992      | 7002      | 07/08/1998     | BRIDGE PLUG         | 6986       |

Total: 2 zone(s)

**Casing History**

| Casing Type | Size of Hole | Size of Casing | Weight Per Foot | Setting Depth | Sacks Cement | Cement Bot | Cement Top | Status |
|-------------|--------------|----------------|-----------------|---------------|--------------|------------|------------|--------|
| SURF        | 12+1/4       | 8+5/8          | 24              | 527           | 370          | 527        | 0          |        |
| 1ST         | 7+7/8        | 5+1/2          | 17              | 7,070         | 165          | 7,070      | 5,920      | CBL    |

## Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 6860 with 2 sacks cmt on top. CIBP #2: Depth 6129 with 2 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 20 sks cmt from 6130 ft. to 5970 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:   
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 2500 ft. with 40 sacks. Leave at least 100 ft. in casing 2450 CICR Depth  
Perforate and squeeze at 577 ft. with 50 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 \_\_\_\_\_ sacks half in. half out surface casing from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Plug Tagged:

Set 15 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. \_\_\_\_\_ inch casing Plugging Date: \_\_\_\_\_  
of \_\_\_\_\_

\*Wireline Contractor: \_\_\_\_\_ \*Cementing Contractor: \_\_\_\_\_

Type of Cement and Additives Used: \_\_\_\_\_

Flowline/Pipeline has been abandoned per Rule 1103  Yes  No \*ATTACH JOB SUMMARY

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: Alyssa Beard

Title: EHS & Regulatory Mgr Date: 4/17/2018 Email: abeard@foundationenergy.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: SUTPHIN, DIRK Date: 5/10/2018

**CONDITIONS OF APPROVAL, IF ANY:** \_\_\_\_\_

Expiration Date: 11/9/2018

| <b>COA Type</b> | <b>Description</b>   |
|-----------------|--|
|                 | Bradenhead:<br>1) If there has not been a reported Bradenhead test within 60 days of plugging this well, prior to starting plugging operations a Bradenhead test shall be performed. The Form 17 shall be submitted within 10 days of the test.<br>2) If, before opening the Bradenhead valve, the beginning pressure is greater than 25 psi, sampling is required.<br>3) If pressure remains at the conclusion of the test, or if any liquids were present during the test, sampling is required.<br>Sampling shall comply with Operator Guidance - Bradenhead Testing and Reporting Instructions, Appendix A: Liquid and Gas Sampling. |
|                 | 1) Provide 48 hour notice of MIRU via electronic Form 42.<br>2) Dump bail 2 sks cement on existing CIBP at 6986'.<br>3) Shoe plug: Tag plug 50' above surface casing shoe.<br>4) Surface plug: Cement from 50' to surface in casing and annulus.<br>5) Properly abandon flowlines per Rule 1103. File Form 42 when done.   |

### **Attachment Check List**

| <b>Att Doc Num</b> | <b>Name</b>                 |
|--------------------|-----------------------------|
| 401600589          | FORM 6 INTENT SUBMITTED     |
| 401610233          | WELLBORE DIAGRAM            |
| 401610235          | WELLBORE DIAGRAM            |
| 401610427          | PROPOSED PLUGGING PROCEDURE |

Total Attach: 4 Files

### **General Comments**

| <b>User Group</b>      | <b>Comment</b>  | <b>Comment Date</b> |
|------------------------|---|---------------------|
| Engineer               | Zones: J-Sand perms were abandoned 7/8/98 with CIBP no cement mentioned (doc#268338 field inspection and daily completion report)<br>Plugging: Removed 1/2 in 1/2 out surface casing plug as operator does not propose to pull casing and plug is already shown as "Perforate and squeeze at 577 ft.". Increased cement quantity on the squeezes at 2500' to 40 sks and at 577' to 50 sks. Added 20 sk plug at 6130-5970' (50' above Niobrara 6179'). Increased cement quantities for 2500' plug to 40 sks, shoe plug to 50 sks and surface plug to 15 sks. | 05/10/2018          |
| Permit                 | Pass  | 04/23/2018          |
| Well File Verification | Well file not found for verification - pass task 04/19/18   | 04/19/2018          |

Total: 3 comment(s)