

Document Number:  
 402162914  
 Date Received:  
 11/06/2019

**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: Mike Jumper  
 Name of Operator: FOUNDATION ENERGY MANAGEMENT LLC Phone: (918) 526-5545  
 Address: 5057 KELLER SPRINGS RD STE 650 Fax: (918) 585-1621  
 City: ADDISON State: TX Zip: 75001 Email: mjumper@foundationenergy.com  
**For "Intent" 24 hour notice required,** Name: Petrie, Erica Tel: (303) 726-3822  
**COGCC contact:** Email: erica.petrie@state.co.us

API Number 05-123-18968-00 Well Name: SOONER Well Number: 21-16-9  
 Location: QtrQtr: SESE Section: 21 Township: 8N Range: 58W Meridian: 6  
 County: WELD Federal, Indian or State Lease Number: COC48951X  
 Field Name: SOONER Field Number: 77700

Notice of Intent to Abandon      Subsequent Report of Abandonment

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

Latitude: 40.642990 Longitude: -103.860697  
 GPS Data:  
 Date of Measurement: 05/10/2007 PDOP Reading: 3.5 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    | 6272      | 6298      |                |                     |            |

Total: 1 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              | 273           | 200          | 273        | 0          | VISU   |
| 1ST         | 7+7/8        | 5+1/2          | 15.5            | 6,390         | 300          | 6,390      | 4,292      | CALC   |

## Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 6225 with 2 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 15 sks cmt from 5500 ft. to 5400 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 5500 ft. with 40 sacks. Leave at least 100 ft. in casing \_\_\_\_\_ CICR Depth  
Perforate and squeeze at 1500 ft. with 40 sacks. Leave at least 100 ft. in casing \_\_\_\_\_ CICR Depth  
Perforate and squeeze at 550 ft. with 40 sacks. Leave at least 100 ft. in casing \_\_\_\_\_ CICR Depth  
(Cast Iron Cement Retainer Depth)  
Set 100 sacks half in. half out surface casing from 323 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. \_\_\_\_\_ inch casing Cut and Cap Date: \_\_\_\_\_  
of \_\_\_\_\_  
\*Wireline Contractor: \_\_\_\_\_ \*Cementing Contractor: \_\_\_\_\_  
Type of Cement and Additives Used: \_\_\_\_\_  
Flowline/Pipeline has been abandoned per Rule 1105  Yes  No \*ATTACH JOB SUMMARY

Technical Detail/Comments:

Please refer to updated "Post" wellbore attached. Unfortunately previous version cannot be deleted. Thank you

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 Manager Date: 11/6/2019 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: 12/3/2019

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

Expiration Date: 6/2/2020

| <b>COA Type</b> | <b>Description</b>   |
|-----------------|--|
|                 | <p><b>Plugging:</b><br/>           1) Provide 48 hour notice of MIRU via electronic Form 42 - Start of Plugging Operations.<br/>           2) After placing the shallowest hydrocarbon isolating plug, operator must wait a sufficient time to confirm static conditions. If at any time after placing this plug there is evidence of pressure or of fluid migration, contact COGCC engineering before continuing operations.<br/>           3) Shoe plug: Tag plug 50' above surface casing shoe, if cement does not circulate to surface.<br/>           4) Surface plug: Cement from 50' to surface in casing and annulus.<br/>           5) With the Form 6 SRA operator must provide written documentation which positively affirms each COA from the approved Notice of Intent to Abandon has been addressed.</p> <p><b>Bradenhead:</b><br/>           Prior to starting plugging operations a bradenhead test shall be performed if there has not been a reported bradenhead test within the 60 days immediately preceding the start of plugging operations. The Form 17 shall be submitted within 10 days of the test.<br/>           1) If before opening the Bradenhead valve, the beginning pressure is greater than 25 psi, sampling is required.<br/>           2) 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. If samples are collected, copies of all final laboratory analytical results shall be provided to the COGCC within three (3) months of collecting the samples. If there is a need for sampling, contact COGCC engineering for verification of plugging procedure.</p> <p><b>Venting during plugging:</b><br/>           Operator shall implement measures to control venting, to protect health and safety, and to ensure that vapors and odors from well plugging operations do not constitute a nuisance or hazard to public welfare.</p> <p><b>Flowlines:</b><br/>           Properly abandon flowlines per Rule 1105. File electronic Form 42 once abandonment is complete. Within 30 days of an operator completing abandonment requirements for an off-location flowline or crude oil transfer line, the operator must submit a Flowline Report, Form 44.</p> |

**Attachment Check List**

| <b>Att Doc Num</b> | <b>Name</b>             |
|--------------------|-------------------------|
| 402162914          | FORM 6 INTENT SUBMITTED |
| 402167512          | WELLBORE DIAGRAM        |
| 402167514          | WELLBORE DIAGRAM        |
| 402232734          | WELLBORE DIAGRAM        |

Total Attach: 4 Files

## General Comments

| <u>User Group</u> | <u>Comment</u>   | <u>Comment Date</u> |
|-------------------|--|---------------------|
| Engineer          | Casing: 5.5" casing top of cement = 4292' CBL in well file.<br>Plugging: <ul style="list-style-type: none"><li>• Moved Niobrara plug up to 5500'.</li><li>• Added plugs for aquifer protection: Perf &amp; squeeze at 1500' with 40 sks. Perf &amp; squeeze at 550' with 40 sks.</li><li>• Shoe plug needs to be perf &amp; squeeze too: Perf &amp; squeeze at 323' with 100 sks. Cement to surface.</li></ul> | 12/03/2019          |
| Permit            | -Submitter is agent.<br>-Pass.   | 11/07/2019          |
| Permit            | •Returned to draft at Operator's request   | 09/13/2019          |
| Permit            | •Verified SHL lat./long<br>•Corrected Formation on Zones tab to 'DSND' from 'DKTA' per Doc. 248916, attached wellbore diagram Doc. 402167514, and all Form 7 production reporting data<br>•Verified DSND perfed interval via Doc. 248916<br>•Verified production reporting<br>•Form submitter is not a Designated Agent of Operator, awaiting Form 1A  | 09/12/2019          |

Total: 4 comment(s)