

FORM  
6Rev  
12/05

## State of Colorado

## Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203 Phone: (303) 894-2100 Fax: (303) 894-2109



DE ET OE ES

Document Number:

400745519

Date Received:

01/13/2015

## 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: Austin Anderson

Name of Operator: FOUNDATION ENERGY MANAGEMENT LLC

Phone: (918) 84504700

Address: 16000 DALLAS PARKWAY #875

Fax:

City: DALLAS State: TX Zip: 75248-

Email: regulatory@foundationenergy.com

For "Intent" 24 hour notice required,

Name: Granahan, Kyle

Tel: (970) 989-4388

COGCC contact:

Email: kyle.granahan@state.co.us

API Number 05-103-08086-00

Well Name: TAIGA FED

Well Number: 7F-21-4-102

Location: QtrQtr: SENW Section: 21 Township: 4S Range: 102W Meridian: 6

County: RIO BLANCO

Federal, Indian or State Lease Number: 47980

Field Name: THUNDER

Field Number: 81925

☒ Notice of Intent to Abandon☐ Subsequent Report of Abandonment

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

Latitude: 39.689250

Longitude: -108.853850

GPS Data:

Date of Measurement: 05/12/2009

PDOP Reading: 2.8

GPS Instrument Operator's Name: Chris Sanchez

Reason for Abandonment:

☐ Dry☒ Production for Sub-economic☐ Mechanical Problems☐ OtherCasing 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 |
|-----------|-----------|-----------|----------------|---------------------|------------|
| MANCOS B  | 3223      | 3584      |                |                     |            |

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        | 11           | 8+5/8          | 24              | 283           | 200          | 283        | 0          | VISU   |
| 1ST         | 7+7/8        | 4+1/2          | 10.5            | 3,821         | 330          | 3,821      | 3,000      | CALC   |

## Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 3170 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 \_\_\_\_\_ 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: ☐  
Set \_\_\_\_\_ sks cmt from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Plug Type: \_\_\_\_\_ Plug Tagged: ☐

Perforate and squeeze at 333 ft. with 34 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 \_\_\_\_\_ sacks half in. half out surface casing from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Plug Tagged: ☐

Set 36 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 Plugging Date: \_\_\_\_\_

\*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:

FEM intends to plug and abandon the Taiga Fed 7F-21-4-102 per the procedure below and attached WBD's:

- 1). MIRU
- 2). NDWH/NU BOP
- 3). Unseat packer @ 3,144'
- 4). Tally out of hole and stand back 2-3/8" tubing
- 5). RUWL
- 6). RIH and set CIBP @ 3,170' and dump bail 2 sx cement
- 7). RIH and perforate 2 squeeze holes @ 333'
- 8). RIH 2-3/8" tubing to 333' and pump 34 sx shoe plug
- 9). POOH 3 stands and reverse circulate tubing clean
- 10). WOC and tag shoe plug
- 11). Pump 36 sx from 100' to surface for surface plug
- 12). ND BOP
- 13). Cut off WH 4' below surface and weld on surface plate with well info
- 14). RDMO

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

Signed: \_\_\_\_\_ Print Name: Rachel Eisterhold  
Title: Sr. HSE/Regulatory Tech. Date: 1/13/2015 Email: regulatory@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: BURGER, CRAIG Date: 1/15/2015

CONDITIONS OF APPROVAL, IF ANY:

Expiration Date: 7/14/2015

**COA Type**

**Description**

|  |   |
|--|---|
|  | 1) Provide 48 hour notice of plugging MIRU via electronic Form 42.<br>2) Properly abandon flowlines per Rule 1103. File electronic Form 42 when flowline abandonment is complete.<br>3) Step 11: place cement in casing and annulus from 100' to surface. |
|--|---|

**Attachment Check List**

**Att Doc Num**

**Name**

|           |                         |
|-----------|-------------------------|
| 400745519 | FORM 6 INTENT SUBMITTED |
| 400745525 | WELLBORE DIAGRAM        |

Total Attach: 2 Files

**General Comments**

**User Group**

**Comment**

**Comment Date**

|        |  |                         |
|--------|--|-------------------------|
| #Error | Changed production casing TOC method to CALC, no CBL available.  | 1/15/2015<br>1:58:30 PM |
| #Error | Passes Permitting: Form 5 and 5A is 392422. No CBL has been run. | 1/14/2015<br>7:45:36 AM |

Total: 2 comment(s)