

Document Number:
401108921

Date Received:
10/19/2016

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: Caitlin O'Hair

Name of Operator: FOUNDATION ENERGY MANAGEMENT LLC Phone: (918) 526-5591

Address: 16000 DALLAS PARKWAY #875 Fax: (918) 585-1660

City: DALLAS State: TX Zip: 75248- 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 05-123-14706-00

Well Name: ROTH Well Number: 11-7R

Location: QtrQtr: NESW Section: 7 Township: 7N Range: 59W Meridian: 6

County: WELD Federal, Indian or State Lease Number: _____

Field Name: CARETAKER Field Number: 10225

Notice of Intent to Abandon Subsequent Report of Abandonment

Only Complete the Following Background Information for Intent to Abandon

Latitude: 40.588070 Longitude: -104.023600

GPS Data:
Date of Measurement: 05/10/2007 PDOP Reading: 4.1 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	6762	6775			

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	378	220	378	0	VISU
1ST	7+7/8	4+1/2	10.5	6,920	235	6,920	5,950	CBL

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 6710 with 15 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 5900 ft. with 40 sacks. Leave at least 100 ft. in casing _____ CICR Depth
Perforate and squeeze at 430 ft. with 145 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. 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:

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

Signed: _____ Print Name: Caitlin O'Hair

Title: HSE/Regulatory Tech Date: 10/19/2016 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: SUTPHIN, DIRK Date: 12/8/2016

CONDITIONS OF APPROVAL, IF ANY: _____

Expiration Date: 6/7/2017

COA Type

Description

COA Type	Description

Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
401108921	FORM 6 INTENT SUBMITTED
401108948	WELLBORE DIAGRAM
401108949	WELLBORE DIAGRAM
401108950	PROPOSED PLUGGING PROCEDURE

Total Attach: 4 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Engineer	<p>COGCC changes: Moved CIBP to 6710' (50' above perfs) and increased cement to 15 sx if placed via tubing. Added perforations and cement plug at 5900' (isolate Niobrara). Moved shoe plug to 430' (50' below surface casing shoe) and decreased cement proportionately. Increased surface plug to 15 sx.</p>	12/08/2016
Engineer	<p>Prior to starting plugging operations, perform a Bradenhead Test. Submit Form 17 within 10 days. If well has a beginning Bradenhead pressure greater than 25 PSI, if any pressure remains at the conclusion of the test, or flowed any liquids from the Bradenhead see Sampling Requirements below.</p> <p>Submit analytical results to the COGCC environmental database in an accepted Electronic Data Deliverable (EDD) format. Sampling requirements:</p> <p>Gas: Collect a sample of both the production and bradenhead gas and submit for laboratory analysis of the gas composition and stable isotope analysis including the d13C1, d13C2, d13C3, d13C4, d13NC4 d13C5 , d13NC5, d13C6+ (if possible), and dDC1.</p> <p>Water: Collect samples from bradenhead and submit for the laboratory analysis of major anions (chloride, carbonate, bicarbonate, and sulfate), cations (sodium, potassium, calcium, and magnesium) total dissolved solids (TDS), BTEX, DRO, GRO and dissolved gases (RSK 175). If there is a limited amount of water available then anions, cations and BTEX should be given first priority.</p> <p>Liquid hydrocarbons: Collect samples from bradenhead and submit for the laboratory analysis: Whole-Oil GC (C4 - C45).</p>	12/08/2016
Engineer	<p>Note changes to submitted form.</p> <ol style="list-style-type: none"> 1) Provide 48 hour notice of MIRU via electronic Form 42. 2) For cement on CIBP at 6710': Set at least 15 sx cement if tubing will be used to place the cement, otherwise use dump bailer to set at least 2 sx. 3) Shoe plug: Tag plug 50' above surface casing shoe, if not circulated to surface. 4) Surface plug: Cement from 50' to surface in casing and annulus. 5) Properly abandon flowlines per Rule 1103. File Form 42 when done. 6) Abandoned well marker shall be inscribed with the well's legal location, well name and number, and API Number (Rule 319.a.(5)). 	12/08/2016
Public Room	Document verification complete 10/20/16	10/20/2016
Permit	<p>As-Built GPS location verified on Sundry (Doc# 1919901, 9/20/2007).</p> <p>Formation and perf interval verified on Completion Report (Doc# 225776, 11/13/1990).</p> <p>All required documents attached. Permitting task complete.</p>	10/19/2016

Total: 5 comment(s)