

FORM
6Rev
12/05State 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:

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☐ 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
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

COA Type	Description
	<p>Bradenhead:</p> <p>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.</p> <p>2) If, before opening the Bradenhead valve, the beginning pressure is greater than 25 psi, sampling is required.</p> <p>3) If pressure remains at the conclusion of the test, or if any liquids were present during the test, sampling is required.</p> <p>Sampling shall comply with Operator Guidance - Bradenhead Testing and Reporting Instructions, Appendix A: Liquid and Gas Sampling.</p>
	<p>1) Provide 48 hour notice of MIRU via electronic Form 42.</p> <p>2) Dump bail 2 sks cement on existing CIBP at 6986'.</p> <p>3) Shoe plug: Tag plug 50' above surface casing shoe.</p> <p>4) Surface plug: Cement from 50' to surface in casing and annulus.</p> <p>5) Properly abandon flowlines per Rule 1103. File Form 42 when done.</p>

Attachment Check List

Att Doc Num	Name
401600589	FORM 6 INTENT SUBMITTED
401610233	WELLBORE DIAGRAM
401610235	WELLBORE DIAGRAM
401610427	PROPOSED PLUGGING PROCEDURE

Total Attach: 4 Files

General Comments

User Group	Comment	Comment Date
Engineer	<p>Zones: J-Sand perms were abandoned 7/8/98 with CIBP no cement mentioned (doc#268338 field inspection and daily completion report)</p> <p>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.".</p> <p>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.</p>	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)