

Document Number:
401163985

Date Received:
12/08/2016

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: 47120 Contact Name: CHERYL LIGHT

Name of Operator: KERR MCGEE OIL & GAS ONSHORE LP Phone: (720) 929-6461

Address: P O BOX 173779 Fax: (720) 929-7461

City: DENVER State: CO Zip: 80217- Email: CHERYL.LIGHT@ANADARKO.COM

For "Intent" 24 hour notice required, Name: Carlile, Craig Tel: (970) 629-8279

COGCC contact: Email: craig.carlile@state.co.us

API Number 05-123-15724-00

Well Name: HSR-BERNSTEIN Well Number: 6-20

Location: QtrQtr: SENW Section: 20 Township: 3N Range: 66W Meridian: 6

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

Field Name: WATTENBERG Field Number: 90750

Notice of Intent to Abandon Subsequent Report of Abandonment

Only Complete the Following Background Information for Intent to Abandon

Latitude: 40.212490 Longitude: -104.803710

GPS Data:
Date of Measurement: 03/22/2006 PDOP Reading: 1.8 GPS Instrument Operator's Name: Chris Fisher

Reason for Abandonment: Dry Production Sub-economic Mechanical Problems
 Other _____

Casing to be pulled: Yes No Estimated Depth: 1170

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 |
|-----------|-----------|-----------|----------------|---------------------|------------|
| CODELL | 7402 | 7420 | | | |
| J SAND | 7852 | 7906 | | | |
| NIOBRARA | 7123 | 7283 | | | |

Total: 3 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 | 526 | 360 | 526 | 0 | VISU |
| 1ST | 7+7/8 | 4+1/2 | 11.6 | 7,550 | 130 | 7,550 | 6,708 | CBL |
| 1ST LINER | 3+7/8 | 2+7/8 | 6.5 | 8,003 | 30 | 8,003 | 7,477 | CBL |

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 7450 with 2 sacks cmt on top. CIBP #2: Depth 7050 with 25 sacks cmt on top.
CIBP #3: Depth 80 with 25 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 25 sks cmt from 7050 ft. to 6650 ft. Plug Type: CASING Plug Tagged:
Set 15 sks cmt from 4180 ft. to 3987 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:
Perforate and squeeze at 4550 ft. with 135 sacks. Leave at least 100 ft. in casing 4180 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 290 sacks half in. half out surface casing from 1270 ft. to 476 ft. Plug Tagged:
Set 25 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: CHERYL LIGHT
Title: SR REGULATORY ANALYST Date: 12/8/2016 Email: DJREGULATORY@ANADARKO.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: McCoy, Diane Date: 1/11/2017

CONDITIONS OF APPROVAL, IF ANY: _____

Expiration Date: 7/10/2017

| <u>COA Type</u> | <u>Description</u> |
|-----------------|--|
| | 1) Prior to starting plugging operations a bradenhead test shall be performed. If the beginning pressure is greater than 25 psi, or if pressure remains at the conclusion of the test, or if any liquids were present contact COGCC Engineer for sampling requirements. The Form 17 shall be submitted within 10 days of the test. 2) Provide 48 hour notice of plugging MIRU via electronic Form 42. 3) Properly abandon flowlines as per Rule 1103. File electronic Form 42 once abandonment complete. 4) Operator indicated the well has a gyro from November 2011 that has not been submitted to COGCC. Submit gyro survey data with Form 6 Subsequent Report of Abandonment. 5) Production casing stub plug is also surface casing shoe plug, this plug must be tagged at 476' or shallower. Leave at least 100' of cement in the wellbore for each plug. |

Attachment Check List

| <u>Att Doc Num</u> | <u>Name</u> |
|--------------------|-----------------------------|
| 401163985 | FORM 6 INTENT SUBMITTED |
| 401163986 | PROPOSED PLUGGING PROCEDURE |
| 401163987 | WELLBORE DIAGRAM |

Total Attach: 3 Files

General Comments

| <u>User Group</u> | <u>Comment</u> | <u>Comment Date</u> |
|-------------------|---|---------------------|
| Engineer | All previous reports submitted to COGCC show a liner size of 2-7/8". Changed liner size on this Form from 2-3/8" to 2-7/8". | 01/11/2017 |
| Public Room | Document verification complete 12/09/16 | 12/09/2016 |

Total: 2 comment(s)