

Document Number:  
 402172183  
 Date Received:  
 09/10/2019

**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: 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@oxy.com  
**For "Intent" 24 hour notice required,** Name: Carlile, Craig Tel: (970) 629-8279  
**COGCC contact:** Email: craig.carlile@state.co.us

API Number 05-123-17092-00 Well Name: HSR-STEWART Well Number: 2-18  
 Location: QtrQtr: NWNE Section: 18 Township: 3N Range: 66W Meridian: 6  
 County: WELD Federal, Indian or State Lease Number: COC55995  
 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: 40.229544 Longitude: -104.817139  
 GPS Data:  
 Date of Measurement: 11/19/2008 PDOP Reading: 2.7 GPS Instrument Operator's Name: Cody Mattson  
 Reason for Abandonment:  Dry  Production Sub-economic  Mechanical Problems  
 Other \_\_\_\_\_  
 Casing to be pulled:  Yes  No Estimated Depth: 1300  
 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    | 7312      | 7328      |                |                     |            |
| J SAND    | 7756      | 7818      |                |                     |            |
| NIOBRARA  | 7035      | 7169      |                |                     |            |

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              | 824           | 580          | 824        | 0          | VISU   |
| 1ST         | 7+7/8        | 4+1/2          | 11.6            | 7,464         | 200          | 7,464      | 6,246      | CBL    |
| 1ST LINER   | 3+7/8        | 2+7/8          | 6.5             | 7,920         | 12           | 7,920      | 7,410      | CBL    |

## Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 7365 with 2 sacks cmt on top. CIPB #2: Depth 6940 with 25 sacks cmt on top.  
CIBP #3: Depth \_\_\_\_\_ with \_\_\_\_\_ sacks cmt on top. CIPB #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 6940 ft. to 6540 ft. Plug Type: CASING Plug Tagged:   
Set 10 sks cmt from 4110 ft. to 3920 ft. Plug Type: CASING Plug Tagged:   
Set 50 sks cmt from 1350 ft. to 1200 ft. Plug Type: STUB PLUG Plug Tagged:   
Set 50 sks cmt from 150 ft. to 0 ft. Plug Type: CASING Plug Tagged:   
Set \_\_\_\_\_ sks cmt from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Plug Type: \_\_\_\_\_ Plug Tagged:

Perforate and squeeze at 4450 ft. with 100 sacks. Leave at least 100 ft. in casing 4110 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 170 sacks half in. half out surface casing from 1100 ft. to 774 ft. Plug Tagged:

Set 50 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:

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: Staff Regulatory Analyst Date: 9/10/2019 Email: RSCDJPOSTDRILL@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: Jacobson, Eric Date: 9/12/2019

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

Expiration Date: 3/11/2020

| <b>COA Type</b> | <b>Description</b>   |
|-----------------|--|
|                 | <p>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.</p> <p>1) If, before opening the Bradenhead valve, the beginning pressure is greater than 25 psi, sampling is required, and the COGCC engineering staff must be contacted.</p> <p>2) If pressure remains at the conclusion of the test, or if any liquids were present during the test, sampling is required.</p> <p>3) If sampling is required contact COGCC engineering for a confirmation of plugging requirements prior to placing any plugs.</p> <p>Sampling shall comply with Operator Guidance - Bradenhead Testing and Reporting Instructions.</p> <p>The Form 17 shall be submitted within 10 days of the test.</p>  |
|                 | <p>1) Provide 48 hour notice of plugging MIRU via electronic Form 42.</p> <p>2) Prior to placing the 1100' plug: verify that all fluid migration (liquid or gas) has been eliminated. If evidence of fluid migration or pressure remains, contact COGCC Engineer for an update to plugging orders.</p> <p>3) After isolation has been verified, pump plug and displace. If cement is not circulated to surface, shut-in, WOC 4 hours then tag plug – must be at 774' or shallower and provide 10 sack plug at surface.</p> <p>4) Leave at least 100' of cement in the wellbore for each plug.</p> <p>5) Properly abandon on-location flowlines as 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> <p>6) With the Form 6 SRA operator must provide written documentation which positively affirms each COA has been addressed.</p> <p>7) After placing the shallowest hydrocarbon isolating plug (6940'), 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.</p> |
|                 | <p>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>   |

### **Attachment Check List**

| <b>Att Doc Num</b> | <b>Name</b>                 |
|--------------------|-----------------------------|
| 402172183          | FORM 6 INTENT SUBMITTED     |
| 402172238          | PROPOSED PLUGGING PROCEDURE |
| 402172239          | WELLBORE DIAGRAM            |

Total Attach: 3 Files

### **General Comments**

| <b>User Group</b> | <b>Comment</b>  | <b>Comment Date</b> |
|-------------------|---|---------------------|
| Engineer          | Well file verification not completed prior to approval of NOIA.   | 09/12/2019          |
| Engineer          | Deepest Water Well within 1 Mile – 378'<br>SB5 Base of Fox Hills - 489'   | 09/12/2019          |
| Permit            | <ul style="list-style-type: none"> <li>-Confirmed as-drilled well location.</li> <li>-No other forms in process.</li> <li>-Production reporting up-to-date.</li> <li>-Confirmed productive intervals docnum: 630538, 1417270.</li> <li>-Reviewed WBD and procedure.</li> <li>-Pass</li> </ul> | 09/11/2019          |

Total: 3 comment(s)