

**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: Helgeland, Gary Tel: (970) 216-5749  
 Email: gary.helgeland@state.co.us

**COGCC contact:**

API Number 05-001-09285-00 Well Number: 4-11  
 Well Name: HSR-VAN SCHAACK  
 Location: QtrQtr: NWNW Section: 11 Township: 2S Range: 66W Meridian: 6  
 County: ADAMS Federal, Indian or State Lease Number: \_\_\_\_\_  
 Field Name: BANNER Field Number: 5190

Notice of Intent to Abandon       Subsequent Report of Abandonment

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

Latitude: 39.898292 Longitude: -104.750097  
 GPS Data:  
 Date of Measurement: 12/18/2008 PDOP Reading: 2.2 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: 2060  
 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 |
|-----------|-----------|-----------|----------------|---------------------|------------|
| J SAND    | 8228      | 8272      |                |                     |            |

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              | 1,612         | 1,100        | 1,612      | 0          | VISU   |
| 1ST         | 7+7/8        | 4+1/2          | 11.6            | 8,373         | 235          | 8,373      | 6,924      | CBL    |

## Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 8175 with 70 sacks cmt on top. CIPB #2: Depth 80 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 70 sks cmt from 8175 ft. to 7000 ft. Plug Type: CASING Plug Tagged:   
Set 15 sks cmt from 4800 ft. to 4610 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 5210 ft. with 150 sacks. Leave at least 100 ft. in casing 4830 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 235 sacks half in. half out surface casing from 2160 ft. to 1562 ft. Plug Tagged:

Set \_\_\_\_\_ 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: CHERYL LIGHT

Title: SR. REGULATORY ANALYST Date: 7/12/2016 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: BURN, DIANA Date: 8/1/2016

**CONDITIONS OF APPROVAL, IF ANY:** \_\_\_\_\_ Expiration Date: 1/31/2017

#### **COA Type**

#### **Description**

|  |  |
|--|--|
|  | 1) Provide 48 hour notice of plugging MIRU via electronic Form 42.<br>2) Properly abandon flowlines as per Rule 1103. File electronic Form 42 once abandonment complete. |
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## Attachment Check List

| <u>Att Doc Num</u> | <u>Name</u>                 |
|--------------------|-----------------------------|
| 401077382          | FORM 6 INTENT SUBMITTED     |
| 401077387          | PROPOSED PLUGGING PROCEDURE |
| 401077388          | WELLBORE DIAGRAM            |

Total Attach: 3 Files

## General Comments

| <u>User Group</u> | <u>Comment</u>  | <u>Comment Date</u>      |
|-------------------|---|--------------------------|
| Engineer          | Denver 4892 5069 122.4 261 84 33.30 NNT<br>Upper Arapahoe 4630 4871 106.5 523 282 28.96 NNT<br>Lower Arapahoe 4355 4555 102.3 798 598 27.82 NT<br>Laramie-Fox Hills 3722 3963 195.1 1431 1190 46.83 NT<br>Deepest WW 612' | 8/1/2016<br>10:22:35 AM  |
| Public Room       | Document verification complete  | 7/12/2016<br>12:44:59 PM |

Total: 2 comment(s)