

Document Number:  
 401969165  
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**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 05-123-17661-00 Well Number: 10-30  
 Well Name: HSR-LOUIS  
 Location: QtrQtr: NWSE Section: 30 Township: 3N Range: 67W Meridian: 6  
 County: WELD Federal, Indian or State Lease Number: 61190  
 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: 40.195700 Longitude: -104.930850  
 GPS Data:  
 Date of Measurement: 09/06/2006 PDOP Reading: 4.2 GPS Instrument Operator's Name: Steve Fisher  
 Reason for Abandonment:  Dry  Production Sub-economic  Mechanical Problems  
 Other \_\_\_\_\_  
 Casing to be pulled:  Yes  No Estimated Depth: 2500  
 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	7169	7182			
NIOBRARA	6910	7040			
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	688	480	688	0	VISU
1ST	7+7/8	4+1/2	11.6	7,305	520	7,305	3,400	CBL

## Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 6850 with 25 sacks cmt on top. CIBP #2: Depth 3838 with 2 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 6850 ft. to 6450 ft. Plug Type: CASING Plug Tagged:   
Set 50 sks cmt from 2550 ft. to 2400 ft. Plug Type: STUB PLUG 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 \_\_\_\_\_ 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  
Perforate and squeeze at \_\_\_\_\_ ft. with \_\_\_\_\_ sacks. Leave at least 100 ft. in casing \_\_\_\_\_ CICR Depth  
(Cast Iron Cement Retainer Depth)

Set 205 sacks half in. half out surface casing from 788 ft. to 0 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. \_\_\_\_\_ inch casing Plugging 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: 3/12/2019 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: Jacobson, Eric Date: 4/26/2019

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

Expiration Date: 10/25/2019

<b>COA Type</b>	<b>Description</b>
	<p>CHANGING CASING CUTTING DEPTH AND PLUGS            Cut casing at 2500'            Pump stub plug with 50 sacks cement from 2550' to 2400'            Pump surface stub plug from 788' to surface with 205 sacks cement            Operator in agreement</p>
	<p>Operator indicated the well has a gyro from November 5, 2014 that has not been submitted to COGCC. Submit gyro survey data with Form 6 Subsequent Report of Abandonment.</p>
	<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.            1) If, before opening the Bradenhead valve, the beginning pressure is greater than 25 psi, sampling is required.            2) If pressure remains at the conclusion of the test, or if any liquids were present during the test, sampling is required.            3) If sampling is required contact COGCC engineering for a confirmation of plugging requirements prior to placing any plugs.            Sampling shall comply with Operator Guidance - Bradenhead Testing and Reporting Instructions.            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.            2) Prior to placing the 788' 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.            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 638' or shallower and provide 10 sack plug at surface.            4) Leave at least 100' of cement in the wellbore for each plug.            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>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>
401969165	FORM 6 INTENT SUBMITTED
401969209	PROPOSED PLUGGING PROCEDURE
401969210	WELLBORE DIAGRAM

Total Attach: 3 Files

### **General Comments**

<b>User Group</b>	<b>Comment</b>	<b>Comment Date</b>
Engineer	Deepest Water Well within 1 Mile – 355' SB5 Base of Fox Hills - 143'	04/24/2019
Well File Verification	Pass	03/19/2019
Permit	Pass	03/12/2019

Total: 3 comment(s)