

**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: Jennifer Thomas  
 Name of Operator: KERR MCGEE OIL & GAS ONSHORE LP Phone: (720) 929-6808  
 Address: P O BOX 173779 Fax: \_\_\_\_\_  
 City: DENVER State: CO Zip: 80217- Email: jennifer.thomas@anadarko.com

**For "Intent" 24 hour notice required,** Name: \_\_\_\_\_ Tel: \_\_\_\_\_  
 Email: \_\_\_\_\_  
**COGCC contact:** \_\_\_\_\_

API Number 05-123-19165-00 Well Number: 16-32  
 Well Name: HSR-HEINTZELMAN  
 Location: QtrQtr: SESE Section: 32 Township: 3N Range: 67W 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: 40.176397 Longitude: -104.906008  
 GPS Data:  
 Date of Measurement: 11/16/2018 PDOP Reading: 1.3 GPS Instrument Operator's Name: NICK KACZMARCZYK  
 Reason for Abandonment:  Dry  Production Sub-economic  Mechanical Problems  
 Other \_\_\_\_\_  
 Casing 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
CODELL	7314	7319	08/18/2018	B PLUG CEMENT TOP	7035
NIOBRARA	7116	7118	08/18/2018	B PLUG CEMENT TOP	7035
J SAND	7746	7780	08/18/2018	B PLUG CEMENT TOP	7680

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	634	445	634	0	VISU
1ST	7+7/8	4+1/2	11.6	7,475	170	7,475	6,616	CBL
S.C. 1.1				4,628	340	4,628	3,840	CBL
1ST LINER	3+7/8	2+7/8	6.5	7,903	30	7,903	7,382	CBL

### Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 7680 with 2 sacks cmt on top. CIPB #2: Depth 7035 with 40 sacks cmt on top.  
 CIBP #3: Depth 3970 with 2 sacks cmt on top. CIPB #4: Depth 1655 with 4 sacks cmt on top.  
 CIBP #5: Depth 80 with 41 sacks cmt on top.

NOTE: Two(2) sacks cement required on all CIBPs.

Set 40 sks cmt from 7035 ft. to 6327 ft. Plug Type: CASING Plug Tagged:   
 Set 95 sks cmt from 1608 ft. to 1251 ft. Plug Type: OPEN HOLE Plug Tagged:   
 Set 126 sks cmt from 1251 ft. to 849 ft. Plug Type: OPEN HOLE 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 3800 ft. with 115 sacks. Leave at least 100 ft. in casing 3445 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 140 sacks half in. half out surface casing from 849 ft. to 404 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: 1608 ft. of 4+1/2 inch casing Plugging Date: 11/16/2018  
 \*Wireline Contractor: RELIANCE \*Cementing Contractor: SCHLUMBERGER  
 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: Jennifer Thomas  
 Title: Regulatory Analyst Date: \_\_\_\_\_ 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: \_\_\_\_\_ Date: \_\_\_\_\_

#### CONDITIONS OF APPROVAL, IF ANY:

COA Type	Description

## Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
401876246	OTHER
401876247	WELLBORE DIAGRAM
401876248	GYRO SURVEY
401876249	OPERATIONS SUMMARY
401876250	WIRELINE JOB SUMMARY
401876251	CEMENT BOND LOG
401876252	CEMENT JOB SUMMARY

Total Attach: 7 Files

## General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
		Stamp Upon Approval

Total: 0 comment(s)