

**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: (303) 8942100  
**COGCC contact:** Email: craig.carlile@state.co.us

API Number 05-123-15092-00 Well Name: EISENACH & PRESTON Well Number: 8-1K  
 Location: QtrQtr: NENE Section: 8 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: 40.244306 Longitude: -104.794230  
 GPS Data:  
 Date of Measurement: 03/22/2007 PDOP Reading: 3.9 GPS Instrument Operator's Name: Chris Fisher  
 Reason for Abandonment:  Dry  Production for Sub-economic  Mechanical Problems  
 Other \_\_\_\_\_  
 Casing to be pulled:  Yes  No Estimated Depth: 1150  
 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	7326	7342	10/14/2013	B PLUG CEMENT TOP	7290
J SAND	7702	7719	10/14/2013	B PLUG CEMENT TOP	7819
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	23	520	360	520	0	VISU
1ST	7+7/8	4+1/2	11.6	7,425	200	7,425	6,309	CBL
1ST LINER	3+7/8	2+7/8	6.5	7,925	21	7,925	7,373	CBL

## Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 80 with 25 sacks cmt on top. CIBP #2: Depth \_\_\_\_\_ with \_\_\_\_\_ sacks cmt on top.  
 CIBP #3: Depth \_\_\_\_\_ with \_\_\_\_\_ 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 680 sks cmt from 1250 ft. to 315 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:   
 Set \_\_\_\_\_ sks cmt from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Plug Type: \_\_\_\_\_ Plug Tagged:

Perforate and squeeze at 4685 ft. with 390 sacks. Leave at least 100 ft. in casing 4115 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 680 sacks half in. half out surface casing from 1250 ft. to 315 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:

Perforate and squeeze at 4685 - 4085 ft. with 390 sacks Leave at least 100 ft. in casing 4115' CICR Depth  
 Formation Perforations - Top Perforations - Bottom Date Abandoned Method of Isolation Plug Depth

Codell	7326'	7342'	10/14/2013	CIBP, Balance
plug	7290', 6349'-7240			
J-Sand	7702'	7719'	10/14/2013	Sand plug,
CIBP	7656'-7819', 7365'			

- Note: Production Casing = 4-1/2" OD, 11.6#/ft, M-75; Production Hole Drilled @ 7 7/8"
- Provide 48 hr notice to COGCC prior to rig up per request on approved Form 6 (e.g. call field coordinator, submit Form 42, etc.). Call foreman or lead operator at least 24 hr prior to rig move. Request they catch and remove the plunger, isolate production equipment and remove any automation prior to rig showing up. Install perimeter fence as needed.
- MIRU slickline services. Pull bumper spring and tag bottom. RDMO slickline services.
- Notify IOC when rig mobilizes to location to generate workorder for flowline removal & one call for line locates.
- Prepare location for base beam equipped rig.
- MIRU, spot minimum of 6500' of 2-3/8" work string.
- Kill well as necessary using clean fresh water with biocide and circulate. ND WH. NU BOP. Unseat landing jt, LD.
- Notify cementers to be on call. Provide volumes listed below:
  - SX Suicide Plug: 448 cu ft/390 sx class "G" w/0.25 pps cello flake, 0.4% CD-32, 0.4% ASA-301 mixed at 15.8 ppg and 1.15 cf/sx (345 sx for 11" + 20% excess and 45 sx 4-1/2" casing, no excess).
  - Stub Plug: 904 cu ft/680 sx Type III CaCl2 cement w/0.25 pps cello flake mixed at 14.8 ppg and 1.33 cf/sx (100' in 4-1/2" prod casing, 633' in 11" OH + 40% excess, and 200' in 8-5/8" surface casing).
- MIRU WL. Run CBL from 6300' to surface. If any cement exists, please call Evans Engineering. RD WL
- PU 2 - 1' 3-1/8" perf guns with 3 spf, 0.5" dia 120deg phasing. Shoot 1' of squeeze holes at 4685' and 4085'. RDMO WL.
- PU CICR and RIH w/2-3/8" tubing while hydrotesting to 3000 psi. Set CICR at approximately 30' below the top perf pending collar locator on CBL.
- RU Cementers. Pump 5 bbl water w/biocide, 20 bbl Sodium Metasilicate, and another 5 bbl spacer immediately preceding cement.
- Pump Suicide SX: 448 cu ft/390 sx class "G" w/0.25 pps cello flake, 0.4% CD-32, 0.4% ASA-301 mixed at 15.8 ppg and 1.15 cf/sx to place cement between perfs and in casing. Underdisplace and sting out of CICR to leave 3 bbls on top of retainer.
- PUH 5 stands. Circulate 50 bbls water containing biocide to clear tubing. Then, TOO H and SB remainder of tbg.
- RU WL. Shoot off casing at or below 1150'. RDMO WL. Circulate water containing biocide one full circulation to remove any gas.
- NDBOP, NDTH.
- Install BOP on casing head with 4-1/2" pipe rams.
- TOOH with 4-1/2" casing, LD.
- RIH with 2 3/8 " tubing to 1250'.
- RU Cementers. Spot Stub Plug: 904 cu ft/680 sx Type III CaCl2 cement w/0.25 pps cello flake mixed at 14.8 ppg and 1.33 cf/sx (100' in 4-1/2" prod casing, 633' in 11" OH + 20% excess, and 200' in 8 5/8" surface casing).
- Circulate 5 bbls water containing biocide to clear tubing.
- TOOH. WOC 4 hrs. Tag Cement. Cement top needs to be above 315'; Proceed assuming TOC is above 315'. Otherwise, call production engineer.
- MIRU WL. RIH 8 5/8" CIBP to 80'. Set, PT to 1000 psi for 15 min. If tests, RDMO WL and WO rig.
- Instruct cementing and wireline contractors to e-mail copies of all job logs/job summaries and invoices to rscDJVendors@anadarko.com within 24 hrs of the completion of the job.
- Supervisor submit paper copies of all invoices, logs, and reports to Joleen Kramer.
- Excavation crew to notify One Call

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: 7/14/2014 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: SCHLAGENHAUF, MARK Date: 7/23/2014

CONDITIONS OF APPROVAL, IF ANY: \_\_\_\_\_ Expiration Date: 1/22/2015

COA Type	Description
	1) Submit Form 42 electronically to COGCC 48 hours prior to MIRU. 2) If unable to pull casing contact COGCC for plugging modifications. 3) For 1250' plug: pump plug and displace, shut-in, WOC 4 hours and tag plug – must be 465' or shallower. 4) Properly abandon flowlines as per Rule 1103. File electronic Form 42 once abandonment complete. 5) Please submit contractor records confirming setting setting of existing plugs for Jsand and Niobrara/Codell.

## Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
400644408	FORM 6 INTENT SUBMITTED
400644411	PROPOSED PLUGGING PROCEDURE
400644412	WELLBORE DIAGRAM

Total Attach: 3 Files

## General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Well Completion Report dated 3/25/1992 & 11/18/2002.	7/15/2014 9:05:20 AM

Total: 1 comment(s)