

Document Number:  
400762981

Date Received:  
01/02/2015

**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 05-123-16251-00

Well Name: OLIN Well Number: 17-14K

Location: QtrQtr: SESW Section: 17 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: 40.219180 Longitude: -104.804290

GPS Data:  
Date of Measurement: 06/20/2006 PDOP Reading: 2.1 GPS Instrument Operator's Name: Paul Tappy

Reason for Abandonment:  Dry  Production for Sub-economic  Mechanical Problems  
 Other \_\_\_\_\_

Casing to be pulled:  Yes  No Estimated Depth: 4570

Fish in Hole:  Yes  No If yes, explain details below

Wellbore has Uncemented Casing leaks:  Yes  No If yes, explain details below

Details: Notes about part of a chemical cutter tagged at 7315' from 3/20/2002.

**Current and Previously Abandoned Zones**

Formation	Perf. Top	Perf. Btm	Abandoned Date	Method of Isolation	Plug Depth
CODELL	7378	7388			

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	604	420	604	0	VISU
1ST	7+7/8	2+7/8	6.5	7,501	220	7,501	6,610	CBL

## Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 7285 with 20 sacks cmt on top. CIBP #2: Depth 80 with 25 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 210 sks cmt from 4570 ft. to 4170 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:   
 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 330 sacks half in. half out surface casing from 1230 ft. to 400 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:

7 MIRU WL. RIH w/ gauge ring and junk basket for 2-7/8" csg to 7310'. RIH w/ CIBP for 2-7/8" tbg and set at 7285'. (Nearest collars are at 7305' and 7339'). RD WL.

8 RIH 1-1/4" IJ tbg while hydrotesting to 3000 psi. Tag CIBP at 7285' and PU 5'. Circulate tubing with fresh water and biocide to remove all gas and PT casing to 3000 psi for 15 minutes. Notify Evans Engineering of results of PT.

9 "RU Cementers. Pump Niobrara balanced plug: 5 bbls (20 sks) ""G"" w/ 20% silica flour, 0.4% CD -32, 0.4% ASA -301 and R-3 to achieve 2:30 pump time mixed at 15.8 ppg and 1.38 cuft/sk. Cement to cover from 7285' to 6500' inside the 2-7/8"" casing.

10 PUH while laying down to 6200' and circulate hole clean of excess cement. POOH and LD tbg on trailer.

11 MIRU WL. Cut casing at or below 4570'. RD WL.

12 Circulate down the casing taking returns up the surface casing removing all gas from wellbore. Pump ~1.5x wellbore volumes ~ 660 bbls fresh water with biocide. Plan on pumping 5 gallon sweeps of mud thinner as needed during circulation to condition wellbore for cement job.

13 ND BOP and wellhead. Install a BOP on surface casing head with 2-7/8" pipe rams. Install 3000 psi ball valves on both casing head outlets. Install a choke or choke manifold on one outlet.

14 RU Cementers. Pump Sussex Balanced plug: Preceed cement with 5 bbls water, 20 bbls Sodium Metasilicate (SMS) and another 5 bbl fresh water spacer ahead of 43 bbls (210 sks) "G" w/ 0.4% CD-32, 0.4% ASA-301 with CaCl<sub>2</sub> as necessary. Mixed at 15.8 ppg, 1.15 cuft/sack. Calculated top of plug is at 4170' in 9.5" openhole with 20% excess. PUH to ~3800' and circulate hole clean. WOC per cement company recommendation.

15 RIH w/ 2-7/8" csg and tag top of plug at 4170' or shallower. PUH while laying down to 1230'.

16 RU Cementers. Pump Fox Hills Balanced plug: Pump 10 bbls SAPP mud flush followed by 20 bbls fresh water spacer ahead of 78.2 bbls (310 sx) Type III w/cello flake and CaCl<sub>2</sub> as deemed necessary, mixed at 1.33 cf per sack, 14.8 ppg. Plug size is based on ~9" hole with 20% excess covering 1230' to shoe of surface casing at 604' plus capacity of surface casing to 400'. PUH to 200' and circulate out any excess cmt. TOH and WOC per cement company recommendation.

17 RIH and tag top of plug. Plug needs to be tagged at 404' or higher. POOH and LD 2-7/8" csg.

18 RU WL. RIH and set CIBP in the 8 5/8", 24# surface casing at 80'. PT CIBP and surface casing to 1000 psi for 15 minutes. Assuming successful test, RD wireline. RDMO workover rig.

19 Instruct cementing and wireline contractors to e-mail copies of all job logs/job summaries to rscDJVendors@anadarko.com within 24 hrs of completion of the job.

20 Supervisor submit paper copies of all invoices, logs, and reports to Joleen Kramer.

21 Excavation crew to notify One Call to clear excavation area around wellhead and for flowlines.

22 Excavate hole around surface casing enough to allow welder to cut casing minimum 5' below ground level.

23 Welder cut casing minimum 5' below ground level.

24 Fill casing to surface using 4500 psi compressive strength cement, (NO gravel).

25 Spot weld on steel marker plate. Marker should contain Well name, Well number, legal location (1/4 1/4 descriptor) and API number.

26 Obtain GPS location data as per COGCC Rule 215 and send to rscDJVendors@anadarko.com.

27 Properly abandon flowlines per Rule 1103. File electronic Form 42 once abandonment complete.

28 Back fill hole with fill. Clean location, level.

29 Submit Form 6 to COGCC ensuring to provide 'As performed' WBD identifying operations completed.

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: 1/2/2015 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: 5/1/2015

**CONDITIONS OF APPROVAL, IF ANY:** \_\_\_\_\_ Expiration Date: 10/31/2015

<u>COA Type</u>	<u>Description</u>
	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 1230' plug: pump plug and displace, shut-in, WOC 4 hours and tag plug – must be 554' or shallower. 4) Properly abandon flowlines as per Rule 1103. File electronic Form 42 once abandonment complete. 5) Please submit existing gyro survey data with Form 6 (s) Subsequent Report of Abandonment.

## Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
400762981	FORM 6 INTENT SUBMITTED
400762982	PROPOSED PLUGGING PROCEDURE
400762983	WELLBORE DIAGRAM

Total Attach: 3 Files

## General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Well Completion Report dated 1/27/1993.	1/6/2015 9:22:38 AM

Total: 1 comment(s)