

FORM  
6Rev  
12/05

## State of Colorado

## Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203 Phone: (303) 894-2100 Fax: (303) 894-2109



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Document Number:

400886222

Date Received:

08/18/2015

## 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 &amp; 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 05-123-17774-00

Well Name: JACKSON

Well Number: 43-8A

Location: QtrQtr: NESE Section: 8 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: 40.237994

Longitude: -104.907156

GPS Data:

Date of Measurement: 11/06/2008

PDOP Reading: 2.6

GPS Instrument Operator's Name: Cody Mattson

Reason for Abandonment:

☐ Dry☒ Production for Sub-economic☐ Mechanical Problems☐ OtherCasing to be pulled: ☒ Yes☐ No

Estimated Depth: 770

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	7124	7134			
NIOBRARA	6858	6924			
J SAND	7569	7607	01/28/2014		7170

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	355	250	355	0	VISU
1ST	7+7/8	4+1/2	11.6	7,211	150	7,211	6,288	CBL
1ST LINER	3+7/8	2+7/8	6.5	7,714	21	7,714	7,170	CBL

## Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 7160 with 2 sacks cmt on top. CIPB #2: Depth 6820 with 25 sacks cmt on top.  
CIBP #3: Depth 80 with 25 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 25 sks cmt from 6820 ft. to 6400 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: ☐  
Set \_\_\_\_\_ sks cmt from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Plug Type: \_\_\_\_\_ Plug Tagged: ☐

Perforate and squeeze at 4180 ft. with 210 sacks. Leave at least 100 ft. in casing 3800 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 280 sacks half in. half out surface casing from 870 ft. to 255 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. 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 WO rig. ND T/A, NU BOP.

8 Notify cementers of the needed volumes: 25 sx of Thermal 35 cement with 0.5% CFR-2, 0.25% FMC mixed at 15.6 ppg and 1.51 cf/sk (Niobrara plug); 210 sx of 0:1:0 Class G cement with 0.5% CFR-2, 0.2% FMC, 0.5% LWA, 0.25 pps Polyflake mixed at 15.8 ppg and 1.15 cf/sk (Sussex suicide sqz); 280 sx of Type III cement with 0.3% CFL-3, 0.3% CFR-2, 0.25 pps polyflake and CaCl<sub>2</sub> mixed at 14.8 ppg and 1.33 cf/sk (Fox Hills stub plug).

9 PU retrieving head on 2-3/8" tbg and RIH to first RBP at +/- 6699'. Latch on and release RBP. POOH, LD RBP.

10 RIH with retrieving head on 2-3/8" tbg to second RBP at +/- 6792'. Latch on and release RBP. POOH, LD RBP. Return both RBP's to Thunderbird.

11 MIRU WL. RIH with gauge ring for 2-7/8" 6.5# csg. We expect to tag sand at 7170' (liner hanger). If tag depth is lower, contact Evans Engineering as prog steps will change.

12 MIRU WL. RIH with gauge ring for 4-1/2" 11.6# csg to 7150'.

13 RIH with 4-1/2" CIBP (4-1/2" 11.6#). Set CIBP at +/- 7160' (Collar at 7136', liner hanger at 7170'). Dump 2 sx of cement on CIBP.

14 RIH with 4-1/2" CIBP (4-1/2" 11.6#). Set CIBP at +/- 6820' (Collars at 6805' and 6850'). RDMO WL.

15 RIH with 2-3/8" tbg while hydrotesting to 3000 psi and tag CIBP at 6820'. PU and circulate to remove gas from hole. Pressure test CIBP to 1000 psi for 15 minutes. If pressure test passes, proceed; otherwise, contact engineering.

16 MIRU cement company. Spot 25 sx of Thermal 35 cement with 0.5% CFR-2, 0.25% FMC mixed at 15.6 ppg and 1.51 cf/sk (cement from 6820' to 6400' in 4-1/2" csg).

17 PUH to 6300'. Circulate fresh water with biocide to clear tbg.

18 TOO. Stand back 3800' of 2-3/8" tbg and LD remainder.

19 MIRU WL. PU and RIH with two perf guns and CCL inside 4-1/2" csg (3-1/8", 3 spf, "Big Hole" 0.6" EHD, 7" penetration, 120 deg phasing, 3' net, 9 total holes). Shoot 1' of bottom squeeze holes at 4180'. PUH to 3770' and shoot 2' of top squeeze holes. POOH, RDMO WL.

20 RIH with 4-1/2" CICR (4-1/2" 11.6#) on 2-3/8" tbg and set at +/- 3800'. Establish circulation with fresh water and biocide. If unable to circulate, contact Evans Engineering.

21 MIRU cement company. Pump 5 bbls fresh water, 20 bbls sodium metasilicate, and 5 bbls fresh water followed with 210 sx of 0:1:0 Class G cement with 0.5% CFR-2, 0.2% FMC, 0.5% LWA, 0.25 pps Polyflake mixed at 15.8 ppg and 1.15 cf/sk into squeeze holes (cement from 200' below top of Sussex to 200' above top of Sussex, 9.5" avg open hole from caliper, 20% excess). Under displace by 3 bbls, sting out of CICR and dump remaining cement on CICR.

22 PUH to 3500' and circulate fresh water with biocide to clear tbg.

23 TOO. Stand back 870' of 2-3/8" tbg and LD remainder.

24 MIRU WL. PU jet cutter and RIH to 770', cut 4-1/2" csg. Circulate to remove any gas and old mud from wellbore. RDMO WL.

25 ND BOP, ND tbg head. NU BOP on surface csg with 4-1/2" pipe rams. Install 3000 psi ball valves on csg head outlets. Install choke or choke manifold on one outlet.

26 TOO with 4-1/2" csg and LD.

27 Uninstall 4-1/2" pipe rams on BOP and install 2-3/8" pipe rams.

28 TIH with 2-3/8" tbg to +/- 870', 100' inside 4-1/2" csg stub.

29 MIRU cement company. Establish circulation with fresh water and biocide and get bottoms up. Pump 10 bbls SAPP, 20 bbls fresh water and biocide followed with 280 sx of Type III cement with 0.3% CFL-3, 0.3% CFR-2, 0.25 pps polyflake and CaCl<sub>2</sub> mixed at 14.8 ppg and 1.33 cf/sk (cement from 870' to 155', assuming 9.5" avg hole from nearest SX caliper, adding 40% excess).

30 TOO with 2-3/8" tbg. WOC 4 hrs, tag plug. Tag needs to be 255' or higher. TOO.

31 MIRU WL. RIH with 8-5/8" CIBP and set at 80'. Pressure test to 1000 psi for 15 min. If pressure holds, RDMO WL and RDMO WO rig.

32 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.

33 Supe

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: 8/18/2015 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: 10/5/2015

CONDITIONS OF APPROVAL, IF ANY: \_\_\_\_\_ Expiration Date: 4/4/2016

#### 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 870' plug: pump plug and displace, shut-in, WOC 4 hours and tag plug – must be 305' 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>
400886222	FORM 6 INTENT SUBMITTED
400886229	PROPOSED PLUGGING PROCEDURE
400886230	WELLBORE DIAGRAM

Total Attach: 3 Files

### General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Engineer	Sand plug @ 7170' to fill up liner and cover J perfs.	10/4/2015 1:51:52 PM
Public Room	Document verification complete 9/4/2015	9/4/2015 9:57:54 AM
Permit	Well Completion Report dated 3/3/1994 & Sundry Notice dated 6/13/2002.	9/1/2015 4:18:12 PM

Total: 3 comment(s)