

FORM  
6Rev  
12/05State of Colorado  
Oil and Gas Conservation Commission

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



DE ET OE ES

Document Number:

400713780

Date Received:

10/21/2014

## 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 05-123-17844-00

Well Name: PSC

Well Number: 22-9

Location: QtrQtr: SENW Section: 9 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: 40.241690

Longitude: -104.897350

GPS Data:

Date of Measurement: 01/06/2006

PDOP Reading: 3.3

GPS Instrument Operator's Name: Steve Fisher

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

Estimated Depth: 750

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	7084	7094			
NIOBRARA	6804	6876			

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	347	280	347	0	CALC
1ST	7+7/8	3+1/2	7.7	7,229	220	7,229	6,352	CBL

## Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 6750 with 25 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 25 sks cmt from 6750 ft. to 6080 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 4200 ft. with 310 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 430 sacks half in. half out surface casing from 850 ft. to 170 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:

5. MIRU WO rig. Kill well as necessary w/ water containing biocide. ND WH, NU BOP.

6. PU the 2-1/16" tbg (3.25#, J-55) to break any sand bridges. Do not exceed the safety tensile load of 39,256 lbs (80% of upset yield strength).

7. TOO. SB +/- 6,800' of tbg, LD the remainder.

8. MIRU Wireline. PU gauge ring for 3-1/2", 7.7# csg on wireline and RIH to +/- 6,770'. POOH and LD gauge ring.

9. PU CIBP for 3-1/2" csg (7.7#, WC-70, 10 RD IJ). RIH and set CIBP at 6,750' (Note: Collars are at 6,732' & 6,770'). POOH and LD the setting tool. Pressure test CIBP to 1000 psi for 15 min. RDMO Wireline.

10. TIH 2-1/16" tbg and tag the CIBP (at +/- 6,750') while hydrotesting each stand to +/- 3000 psi. PU 5' from tag.

11. MIRU Cementing Services. Spot 25 sx (+/- 34 cuft) of cmt (Class 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 from 6,750' to 6,400' on top of CIBP.

12. PUH w/ 2-1/16" tbg to +/- 6,300' (+/- 14 jts) and circulate tbg clean. POOH, SB +/- 3,770' of tbg, LD remainder.

13. MIRU Wireline. PU and RIH one 1" perf gun (2-1/2", 6 spf, 0.49" EHD, 7" penetration, 60o phasing, 1" net, 6 total holes) to 4,200'. Perf squeeze holes at 4,200' in 3-1/2" prod csg. POOH and LD perf gun. RDMO wireline.

14. MIRU Cementing Services. Pump down the 3-1/2" csg w/ 5 bbls of fresh water, 20 bbls of metalillicate, and 5 bbls of fresh water followed with 310 sx (+/- 356 cuft) of cmt (Class G w/ 0.25 pps cello flake, 0.4% CD-32, 0.4% ASA-301) mixed at 15.8 ppg and 1.15 cuft/sk. Drop a wiper plug and displace to 3,700' w/ 34 bbls of water containing biocide. Planned cement is from 4,200' to 3,700' in 11" OH (plus 20% excess) & from 4,200' to 3,700' in 3-1/2", 7.7# csg. RDMO Cementing Services. WOC for 4 hrs.

15. RIH w/ 2-1/16" tbg and tag TOC at +/- 3,700'. TOO. SB +/- 850' of tbg, LD the remainder.

16. MIRU wireline. PU a jet cutter and RIH to +/- 750' to cut 3-1/2" csg. Cut csg and circulate bottoms up. Continue to circulate to remove any gas from the wellbore. RDMO wireline.

17. ND BOP and tbg head. NU BOP of the surface csg head w/ 3-1/2" pipe rams. Install 3,000 psi rated ball valves on both surface csg outlets. Install a choke or a choke manifold on one of the outlets.

18. TOO. LD 3-1/2" csg.

19. Remove the 3-1/2" pipe rams and install 2-1/16" pipe rams on the BOP.

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20. TIH w/ 2-1/16" tbg to +/- 850', 100' past the csg stub.

21. MIRU Cementing Services. Pump 10 bbls of SAPP (Sodium Acid Pyrophosphate) followed by 20 bbls of fresh water containing biocide. Spot 430 sx (+/- 572 cuft) of cmt (Type III w/ cello flake and CaCl2 as deemed necessary) mixed at 14.8 ppg at 1.33 cuft/sk. Planned cement is from 850' to 750' in 11" OH/3-1/2" csg annulus (from closest caliper reading, plus 40% excess); 750' to 370' in 11" OH (from closest caliper reading, plus 40% excess), and from 370' to 170' inside 8-5/8", 24# surface csg. PUH to 100' and circulate tbg clean. RDMO Cementing Services. WOC for 4 hrs.

22. TIH w/ 2-1/16" tbg and tag TOC and if TOC is deeper than 170' contact engineer for possible further cement work. TOO. LD 2-1/16" tbg.

23. MIRU wireline. PU CIBP on wireline for 8-5/8" (24#) csg and TIH to +/- 80'. Set CIBP and test to 1000 psi for 15 min. POOH and LD wireline. RDMO wireline.

24. RDMO WO rig.

25. NOTE: Instruct cementing & wireline contractors to email copies of all job logs/job summaries & invoices to rscDJVendors@anadarko.com within 24 hours of the completion of the job.

26. Wellsite supervisor should turn all paper copies of cementing reports/invoices and logs into Joleen Kramer.

27. Have excavation contractor notify One-Call to clear for digging around wellhead and flowline removal.

28. Excavate hole around surface casing enough to allow welder to cut 8-5/8" casing minimum 5' below ground level.

29. Welder cut 8-5/8" casing minimum 5' below ground level.

30. MIRU ready cement mixer. Fill the last 80' inside the 8-5/8".

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: 10/21/2014 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: 11/21/2014

**CONDITIONS OF APPROVAL, IF ANY:** \_\_\_\_\_ Expiration Date: 5/20/2015

#### 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 850' plug: pump plug and displace, shut-in, WOC 4 hours and tag plug – must be 297' or shallower. 4) Properly abandon flowlines as per Rule 1103. File electronic Form 42 once abandonment complete. 5) Please submit gyro survey data with Form 6 (s) Subsequent Report of Abandonment.
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### Attachment Check List

**Att Doc Num****Name**

400713780	FORM 6 INTENT SUBMITTED
400713781	PROPOSED PLUGGING PROCEDURE
400713782	WELLBORE DIAGRAM

Total Attach: 3 Files

### General Comments

**User Group****Comment****Comment Date**

Permit	Well Completion Report dated 4/18/1994.	10/29/2014 3:42:31 PM
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Total: 1 comment(s)