

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

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12/03/2013

## 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: PRECUP, JIM

Tel: (303) 726-3822

COGCC contact:

Email: james.precup@state.co.us

API Number 05-123-15926-00

Well Name: WELD COUNTY

Well Number: 34-13

Location: QtrQtr: SWSE Section: 13 Township: 2N 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: 40.133570

Longitude: -104.835430

GPS Data:

Date of Measurement: 06/23/2006

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: 1310

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 |
|-----------|-----------|-----------|----------------|---------------------|------------|
| J SAND    | 7832      | 7852      |                |                     |            |

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              | 609           | 340          | 609        | 0          | VISU   |
| 1ST         | 7+7/8        | 4+1/2          | 11.6            | 7,963         | 680          | 4,188      | 4,188      | CBL    |

## Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 7775 with 2 sacks cmt on top. CIBP #2: Depth 7100 with 30 sacks cmt on top.  
CIBP #3: Depth 100 with 30 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 30 sks cmt from 7100 ft. to 6710 ft. Plug Type: CASING Plug Tagged: ☐  
Set 80 sks cmt from 5060 ft. to 4120 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: ☐

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 1410 ft. to 410 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:

**WELD COUNTY 34-13**

1 Call foreman or lead operator at least 24 hr prior to rig move. Request that they catch and remove the plunger, isolate production equipment and remove any automation prior to rig showing up. Install perimeter fence as needed.

2 MIRU slickline services and VES. Pull bumper spring, tag bottom and run gyro survey from 7950' to surface with stops every 100'. Forward gyro survey data to Sabrina Frantz and invoices to Sabrina Frantz. RDMO slickline services and VES.

3 Provide notice of MIRU to COGCC field inspector as specified in approved Form 6.

4 Notify IOC when rig mobilizes to location to generate workorder for flowline removal and one call for line locates.

5 Prepare location for base beam equipped rig.

6 MIRU, kill as necessary using clean fresh water with biocide and circulate. ND WH. NU BOP. Unseat landing jt, LD.

7 Notify cementers to be on call. Provide volumes (30 sx "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 cf/sk (inside 4.5"), 80 sx class "G", 0.4% CD-32, 0.4% ASA-301 mixed at 15.8 ppg and 1.15 cf/sx (inside 4.5"); 330 sx Type III CaCl2 cement mixed at 14.0 ppg and 1.53 cf/sx (7.875"+60%)).

8 TOO H 2 3/8" production tubing. Stand back.

9 MIRU WL.

10 RIH gauge ring for 4.5" 11.6#/ft csg to 7800'.

11 RIH CIBP, set at 7775'. PT CIBP to 1000 psi. PU dump bailer, dump bail 2 sx class "G" cement on CIBP.

12 RIH CIBP, set at 7100'. PT CIBP to 1000 psi. RD WL

13 TIH to 7100'+/- tag CIBP hydrotesting tubing in to 3000 psi. Roll hole using water containing biocide.

14 RU cement services.

15 Spot 30 sx "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 cf/sk on top of CIBP.

16 PUH 15 stands. Reverse circulate 50 BBL water containing biocide to clear tubing.

17 Place 9.0 ppg mud containing biocide from 6170' to 5060' (~18BBL).

18 PUH to 5060'.

19 RU cement services.

20 Spot 80 sx class "G", 0.4% CD-32, 0.4% ASA-301 mixed at 15.8 ppg and 1.15 cuft/sx.

21 PUH 25 stands. Reverse circulate 30 BBL water containing biocide to clear tubing.

22 TOO H. WOC 4 hrs.

23 TIH and tag. If cement is below 4120', discuss with production engineer.

24 Place 9.0 ppg mud containing biocide from tag to 1410' (~42BBL).

25 P&SB 1410' tbg. LD remainder.

26 RU WL. Crack coupling or shoot off casing at 1310'. RDMO WL. Circulate hole using 110 BBL water containing biocide to remove any gas.

27 NDBOP, NDTH.

28 NU BOP on casing head, install 4-1/2" pipe rams.

29 TOO H with 4-1/2" casing, LD.

30 TIH into csg stub using production tubing to 1410'.

31 Spot 330 SX Type III CaCl2 cement mixed at 14.0 ppg and 1.53 cuft/sx.

32 PUH to 150'. Circulate 20 BBLs water containing biocide to clear tubing.

33 TOO H. WOC 4 hrs.

34 TIH and tag. If cement is below 410', discuss with production engineer.

35 Fill casing with 9.0 ppg mud containing biocide from tag to 100'.

36 MIRU WL. RIH 8-5/8" CIBP to 100'. Set, PT to 1000 psi for 15 min. If tests, RDMO WL and WO rig.

37 Supervisor submit paper copies of all invoices, logs, and reports to Frantz, Sabrina.

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

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

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

41 MIRU ready cement mixer. Use 4500psi compressive strength cement, (NO gravel) fill stubout.

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

43 Properly abandon flowlines per Rule 1103.

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

45 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: 12/3/2013 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: 12/6/2013

**CONDITIONS OF APPROVAL, IF ANY:** \_\_\_\_\_ Expiration Date: 6/5/2014

| <u>COA Type</u> | <u>Description</u>  |
|-----------------|---|
|                 | 1) Submit Form 42 electronically to COGCC 48 hours prior to MIRU.<br>2) If unable to pull casing, contact COGCC for plugging modifications.<br>3) Leave at least 100' cement in the wellbore for each plug.<br>4) For 1410' plug: pump plug and displace, shut-in, WOC 4 hours and tag plug – must be 559' or shallower.<br>5) Properly abandon flowlines as per Rule 1103. |

### **Attachment Check List**

| <u>Att Doc Num</u> | <u>Name</u> |
|--------------------|-------------|
|                    |             |

Total Attach: 0 Files

### **General Comments**

| <u>User Group</u> | <u>Comment</u>                           | <u>Comment Date</u>     |
|-------------------|--|-------------------------|
| Permit            | Well completion report dated 11/12/1992. | 12/6/2013<br>9:27:24 AM |

Total: 1 comment(s)