

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



DE ET OE ES

Document Number:

400701753

Date Received:

10/06/2014

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: REBECCA HEIM

Name of Operator: KERR MCGEE OIL & GAS ONSHORE LP

Phone: (720) 929-6361

Address: P O BOX 173779

Fax: (720) 929-7361

City: DENVER State: CO Zip: 80217-

Email: REBECCA.HEIM@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 05-123-15709-00

Well Name: BELL

Well Number: L12-7

Location: QtrQtr: SWNE Section: 12 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: 40.241570

Longitude: -104.722870

GPS Data:

Date of Measurement: 06/21/2006

PDOP Reading: 2.5

GPS Instrument Operator's Name: Paul Tappy

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

Estimated Depth: 1400

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 | 7396 | 7410 | | | |

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 | 540 | 275 | 540 | 0 | CALC |
| 1ST | 7+7/8 | 2+7/8 | 6.5 | 7,545 | 210 | 7,545 | 6,826 | CBL |

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 7310 with _____ sacks cmt on top. CIPB #2: Depth 80 with 25 sacks cmt on top.
CIBP #3: Depth _____ with _____ 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 7310 ft. to 6730 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 4750 ft. with 330 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 760 sacks half in. half out surface casing from 1400 ft. to 340 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 with water and biocide. ND wellhead. NU BOP.
 6 Unland 1.66" tbg (226 total joints landed at 7376') and TOOH standing back 7310' of 1.66" tubing.
 7 MIRU wireline. Run gyro survey from 7296' (100' above top Codell perms) to surface with stops every 100'. Forward gyro survey data and invoices to Sabrina Frantz.
 8 RIH with junk basket/gauge ring (2-7/8" 6.5#) to 7350'. POOH. PU and RIH with CIBP (2-7/8", 6.5#) to set at 7310' (collars at 7296' and 7328'). POOH. RDMO wireline.
 9 MIRU hydrotester. Hydrotest 1.66" tubing to 3000psi while TIH open ended. Tag CIBP set at 7310'. PUH just above CIBP and circulate all gas out of the hole. Pumping water with biocide, pressure test the CIBP and production casing to 2500psi for 15 minutes. If pressure test passes, proceed to next step; otherwise contact engineering for revised procedure steps to hydrotest 2-7/8" casing back in hole to spot stub plug prior to step 18.
 10 MIRU cementing services. Establish circulation with water and pump 15 sx Class "G" cement with 20% silica flour, 0.4% CD-32 and 0.4% ASA-301 mixed at 15.8ppg and 1.38 cuft/sx (cement volumes based on 2-7/8" 6.5# casing capacity from 7310' to 6730' with no excess). Displace cement to estimated TOC at 6670' using approx. 12 bbls water. TOOH and stand back 13 stands of 1.66" tubing so EOT at +/- 6470'. Reverse circulate using approx. 24 bbls water (2 times tubing volume) or until returns are clean. RDMO cementing services.
 11 TOOH and lay down all 1.66" tubing.
 12 MIRU wireline. PU and RIH with 1-11/16" perf guns and shoot squeeze holes at 4750' using 3 SPF, 0.5" EHD, 1' net, 3 total shots. POOH with perf guns. RDMO wireline.
 13 Establish circulation to through squeeze holes to surface with water. If circulation is established, proceed to next step; otherwise contact engineering for revised procedure steps.
 14 MIRU cementing services on the 2-7/8" production casing. Establish circulation with water and pump 20 bbls sodium metasilicate followed by 330 sx Class "G" cement with 0.25 pps cello flake, 0.4% CD-32 and 0.4% ASA-301 mixed at 15.8ppg and 1.15 cuft/sx (cement volumes based on 12" caliper plus 20% excess from 4750' to 4340' and 2-7/8" 6.5# casing capacity from 4750' to 4340'). Drop wiper plug and displace to 4340' using 25 bbls water. RDMO cementing services. WOC to set up per cementing company recommendation.
 15 MIRU wireline. RIH to tag cement plug @ +/- 4340'. If cement is not above 4340' contact engineer, otherwise proceed to next step.
 16 RIH and jet cut 2-7/8" production casing at 1400'. RDMO wireline. Circulate bottoms up and continue circulating to remove any gas from wellbore.
 17 ND BOP. Install 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.
 18 MIRU cementing services. Establish circulation through 2-7/8" casing with water and pump 10 bbls SAPP mud flush, 20 bbls fresh water spacer, then balanced stub plug using 760 sx Type III cement with cello flake and CaCl₂ as necessary, mixed at 14.8 ppg and 1.33 cuft/sx (cement volumes based on 860' in 12" hole with 40% excess, and 200' in 8-5/8" surface casing). RDMO cementing services.
 19 TOOH and LD 2-7/8" casing until end of casing is at +/- 200'. Circulate down 2-7/8" production casing and up surface casing/production casing annulus until returns are clean to ensure CIBP can be set in clean surface casing. Finish TOOH and LD 2-7/8" casing. WOC to set up per cementing company recommendation.
 20 PU and TIH with 2-7/8" workstring to tag cement plug at +/- 340'. If cement is not above 340' contact engineer, otherwise proceed to next step.
 21 MIRU wireline. PU and RIH with CIBP (8-5/8", 24#/ft). Set CIBP at 80' and pressure test the CIBP to 1000psi for 15mins. If pressure test fails contact engineering, otherwise proceed to next step.
 22 RDMO wireline. RDMO WO rig.

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: 10/6/2014 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: 10/27/2014

CONDITIONS OF APPROVAL, IF ANY: _____ Expiration Date: 4/26/2015

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 1400' plug: pump plug and displace, shut-in, WOC 4 hours and tag plug – must be 490' 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. |
|--|--|

Attachment Check List

Att Doc Num**Name**

| | |
|-----------|-----------------------------|
| 400701753 | FORM 6 INTENT SUBMITTED |
| 400701772 | PROPOSED PLUGGING PROCEDURE |
| 400701774 | WELLBORE DIAGRAM |

Total Attach: 3 Files

General Comments

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

| | | |
|--------|---|---------------------------|
| Permit | Well Completion Report dated 9/21/1992. | 10/20/2014 12:56:59 PM |
|--------|---|---------------------------|

Total: 1 comment(s)