

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:

400701696

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 &amp; 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 05-123-15708-00

Well Name: BELL

Well Number: L12-6

Location: QtrQtr: SENW 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: 40.241380

Longitude: -104.727670

GPS Data:

Date of Measurement: 06/21/2006

PDOP Reading: 2.0

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: 1350

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	7408	7422			

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	535	290	535	0	VISU
1ST	7+7/8	2+7/8	6.5	7,553	240	7,553	6,716	CBL

## Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 7350 with 20 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 20 sks cmt from 7350 ft. to 6500 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 370 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 730 sacks half in. half out surface casing from 1350 ft. to 335 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:

**PLUG AND ABANDONMENT PROCEDURE (SEE ATTACHED PROCEDURE)**

BELL L 12-06

**Step Description of Work**

- 1 Provide 48 hr notice to COGCC prior to rig up per request on approved Form 6 (e.g. call field coordinator, submit Form 42, etc.). Call IOC (970-506-5980) at least 24 hr prior to rig move. Request they catch and remove plunger, isolate production equipment and remove any automation prior to rig MIRU.
- 2 MIRU slickline services. Pull bumper spring and tag bottom. RDMO slickline services.
- 3 Prepare location for base beam equipped rig. Install perimeter fence as needed.
- 4 Check and record Bradenhead pressure. If Bradenhead valve is not accessible, re-plumb so that valve is above GL.
- 5 MIRU, kill as necessary using clean fresh water with biocide. ND WH. NU BOP. Unseat landing jt, LD.
- 6 TOO H and SB 1.66" production tubing (232 jts landed @ 7372').
- 7 MIRU wireline. Run gyro survey from 100' above PBD (PBD ~7484') recorded in step 2 to surface with stops every 100'. Forward gyro survey data and invoices to Sabrina Frantz.
- 8 RIH gauge ring for 2 7/8" 6.5 #/ft casing to 7400'. POOH. Set CIBP at 7350' to abandon Codell perms (collars at 7338' and 7367'). RDMO WL.
- 10 MIRU hydrotester. Hydrotest 1.66" tubing to 3000 psi while TIH open ended. Tag CIBP set at 7350'. Pumping water with biocide, pressure test the CIBP and production casing to 2500 psi 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 22.
- 11 RU Cementers. Pump Niobrara/Codell plug w/ 1.66" tubing: 20 sx (27.6 cuft) 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/sx (849' inside 2 7/8" csg, no excess). The plug will cover 7350' - 6500'. RD cementers.
- 12 PUH to 6300' and circulate tubing clean to ensure no cement is left in the tubing.
- 13 TOO H 1.66" tubing, LD.
- 14 MIRU WL. PU and RIH with 1 11/16" perf gun and shoot squeeze holes at 4750' with 3 spf, 0.5" diam. RDMO WL.
- 15 MIRU Cementers on the 2 7/8" casing. Establish circulation down the production casing and up surface casing/production casing annulus. If circulation is not established, call Evans Engineering.
- 16 Pump 20 bbl sodium metasilicate and a 5 bbl water spacer followed by 370 sx (426 cuft) Class "G" cement with 0.25 pps cello flake, 0.4% CD-32, 0.4% ASA-301 mixed at 15.8 ppg and 1.15 cuft/sx (450' in 12" OH from caliper with 20% excess, 450' in 2 7/8" production casing with no excess). The plug will cover 4750' - 4300'. Drop wiper plug and displace to 4300' using 25 bbls water. RDMO cementers.
- 17 WOC per cement company recommendation.
- 18 MIRU WL. RIH and tag cement at 4300' or shallower. If the tag is deeper than 4300', contact Evans Engineering.
- 19 RIH and cut casing at 1350'. RDMO WL.
- 20 Circulate with fresh water containing biocide to remove any gas.
- 21 NDBOP, NDTH. Install BOP on casing head with 2 7/8" pipe rams.
- 22 MIRU Cementers. Establish circulation and pump 10 bbl (min) SAPP followed by a 20 bbl fresh water spacer. Pump Stub Plug: 730 sx (971 cuft) Type III w/ cello flake and CaCl<sub>2</sub> as deemed necessary, mixed at 14.8 ppg and 1.33 cuft/sx (815' in 12" OH from caliper with 40% excess, 200' in 8 5/8" surface csg with no excess). The plug will cover 1350' - 335'. RD cementers.
- 23 Pull up to 100' and circulate tubing clean using fresh water treated with biocide. TOO H.
- 24 WOC per cement company recommendation. Tag cement. Cement top needs to be above 335'.
- 25 MIRU WL. RIH 8 5/8" CIBP to 80'. Set and pressure test to 1000 psi for 15 minutes. RDMO WL and WO rig.
- 26 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.
- 27 Supervisor submit paper copies of all invoices, logs, and reports to Joleen Kramer.
- 28 Excavation crew to notify One Call to clear excavation area around wellhead and for fl

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**

	<ol style="list-style-type: none"><li>1) Submit Form 42 electronically to COGCC 48 hours prior to MIRU.</li><li>2) If unable to pull casing contact COGCC for plugging modifications.</li><li>3) For 1350' plug: pump plug and displace, shut-in, WOC 4 hours and tag plug – must be 485' or shallower.</li><li>4) Properly abandon flowlines as per Rule 1103. File electronic Form 42 once abandonment complete.</li><li>5) Please submit gyro survey data with Form 6 (s) Subsequent Report of Abandonment.</li></ol>
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### Attachment Check List

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

400701696	FORM 6 INTENT SUBMITTED
400701714	PROPOSED PLUGGING PROCEDURE
400701715	WELLBORE DIAGRAM

Total Attach: 3 Files

### General Comments

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

Permit	Well Completion Report dated 9/21/1992.	10/20/2014 12:28:50 PM
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Total: 1 comment(s)