

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:

400621526

Date Received:

06/05/2014

## 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: (303) 8942100

COGCC contact:

Email: craig.carlile@state.co.us

API Number 05-123-15718-00

Well Name: BELL

Well Number: L12-16

Location: QtrQtr: SESE 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: 40.233990

Longitude: -104.717800

GPS Data:

Date of Measurement: 06/21/2006

PDOP Reading: 2.3

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: 4750

Fish in Hole: ☐ Yes☒ No

If yes, explain details below

Wellbore has Uncemented Casing leaks: ☐ Yes☒ No

If yes, explain details below

Details: Casing will be cut off and recovered from 4750'. Cement plugs will be placed across the Sussex and Fox Hills formations.

A cement plug will be placed at 7200' on top of a sand plug in 2 7/8" csg.

## Current and Previously Abandoned Zones

Formation	Perf. Top	Perf. Btm	Abandoned Date	Method of Isolation	Plug Depth
CODELL	7445	7472			

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	570	290	570	0	VISU
1ST	7+7/8	2+7/8	6.5	7,592	480	7,592	5,822	CBL

## Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 80 with 25 sacks cmt on top. CIBP #2: Depth \_\_\_\_\_ with \_\_\_\_\_ 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 1 sks cmt from 7240 ft. to 7200 ft. Plug Type: CASING Plug Tagged: ☐  
Set 310 sks cmt from 4750 ft. to 4350 ft. Plug Type: OPEN HOLE 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 640 sacks half in. half out surface casing from 1410 ft. to 370 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:

**BELL L 12-16****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 foreman or lead operator at least 24 hr prior to rig move. Request they catch and remove the plunger, isolate production equipment and remove any automation prior to rig showing up. Install perimeter fence as needed.

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

3 Prepare location for base beam equipped rig.

4 MIRU, kill well as necessary using fresh water with biocide. ND WH. NU BOP. Unseat landing jt.

5 Pick up 1.90" IJ tbg to tag fill - 219 jts = 7442' reported in hole. Spot sand plug in 2 7/8" casing up to 7200'. POH with tbg to ~6000' and allow sand plug to settle. Tag plug to be sure it is at or above 7240'.

6 LD 1.90" tbg. Pressure test 2 7/8" csg and sand plug to 3000 psi for 15 minutes. If casing pressure tests, it can be used to spot cement plugs in subsequent steps. If not, a work string will be needed.

7 MIRU WL service. Run a CBL to verify TOC of primary cement job @ 5822'. Run a gyro directional survey from PBTD to surface with 100' stations. Forward results to Sabrina Frantz in Evans Engineering. Dump bail one sack of cement on sand plug.

8 ND BOP and wellhead. 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.

9 RU WL. Free point and cut off 2 7/8" casing at 4750' per CCL. RDMO WL. Circulate bottoms up using drilling mud and continue circulating to remove any gas from wellbore.

10 MIRU cementers and equalize an open-hole plug from 4750' to 4350': 310 sx "G" w/ 0.25pps cello flake, 0.4% CD-32, 0.4% ASA-301 mixed at 15.8 ppg and 1.15 cuft/sk; 357 cuft of slurry. Precede cement with 20 bbl sodium metasilicate and 5 bbl water spacers. Cement volume based on 11 1/2" hole size with 20% excess (Caliper log on file).

11 Pull 2 7/8" tbg up to ~3000' and circulate clean. WOC per cement company recommendation.

12 Tag plug at 4350'. LD 2 7/8" to bring end of tbg to 1410'.

13 RU Cementers. Equalize cement plug: 640 sx Type III w/0.25 pps cello flake and CaCl<sub>2</sub> as necessary mixed at 14.8 ppg and 1.33 cuft/sk; 851 cuft of slurry. Volume based on 11" hole 1410'-570' with 40% excess and 8 5/8" casing 570'-370'.

14 TOH and WOC per cement company recommendation.

15 Tag cement to confirm TOC is at or above 470'.

16 MIRU WL. Run and set 8 5/8" CIBP at 80'. PT CIBP and surface casing 1000 psi for 15 min. Assuming successful test, RD wireline and rig.

17 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.

18 Supervisor submit paper copies of all invoices, logs, and reports to Joleen Kramer.

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

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

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

22 Fill surface casing with 4500 psi compressive strength cement, (NO gravel).

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

24 Properly abandon flowlines per Rule 1103.

25 Obtain GPS location data per COGCC Rule 215 and send to rscDJVendors@anadarko.com.

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

27 Submit Form 6 to COGCC ensuring to provide 'As performed' WBD identifying operations completed. File electronic Form 42 once abandonment complete.

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: 6/5/2014 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: 6/11/2014

**CONDITIONS OF APPROVAL, IF ANY:** \_\_\_\_\_ Expiration Date: 12/10/2014

**COA Type****Description**

	<ul 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 below 4000' contact COGCC for plugging modifications.</li><li>3) For 1410' plug: pump plug and displace, shut-in, WOC 4 hours and tag plug – must be 520' or shallower.</li><li>4) Properly abandon flowlines as per Rule 1103. File electronic Form 42 once abandonment complete.</li><li>5) CBL showing existing TOC@5822' not in COGCC well file. Please submit existing CBL with form 6 (s) Susequent Report of Abandonment.</li><li>6) Please submit gyro survey data with Form 6 (s) Subsequent Report of Abandonment.</li></ul>
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### Attachment Check List

Att Doc Num

Name

400621526	FORM 6 INTENT SUBMITTED
400621534	PROPOSED PLUGGING PROCEDURE
400621535	WELLBORE DIAGRAM

Total Attach: 3 Files

### General Comments

User Group

Comment

Comment Date

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Total: 0 comment(s)