

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:

400594579

Date Received:

04/23/2014

## 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: JOHNSON, RANDELL

Tel: (303) 815-9641

COGCC contact:

Email: randell.johnson@state.co.us

API Number 05-123-19755-00

Well Name: HSR-GIBLER

Well Number: 14-3A

Location: QtrQtr: SESW Section: 3 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: 40.161886

Longitude: -104.878800

GPS Data:

Date of Measurement: 10/17/2009

PDOP Reading: 1.7

GPS Instrument Operator's Name: Cody Mattson

Reason for Abandonment:

☐ Dry☒ Production for Sub-economic☐ Mechanical Problems☐ Other

Casing to be pulled:

☒ Yes☐ No

Estimated Depth: 1230

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	7921	7970			

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	493	345	493	0	VISU
1ST	7+7/8	4+1/2	11.6	8,053	260	8,053	6,680	CBL
			Stage Tool	5,260	350	5,260	3,930	CBL

## Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 7840 with 2 sacks cmt on top. CIPB #2: Depth 7200 with 30 sacks cmt on top.  
CIBP #3: Depth 100 with 30 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 <u>30</u> sks cmt from <u>7200</u> ft. to <u>6800</u> ft.	Plug Type: <u>CASING</u>	Plug Tagged: <input type="checkbox"/>
Set <u>95</u> sks cmt from <u>5200</u> ft. to <u>4175</u> ft.	Plug Type: <u>CASING</u>	Plug Tagged: <input checked="" type="checkbox"/>
Set _____ sks cmt from _____ ft. to _____ ft.	Plug Type: _____	Plug Tagged: <input type="checkbox"/>
Set _____ sks cmt from _____ ft. to _____ ft.	Plug Type: _____	Plug Tagged: <input type="checkbox"/>
Set _____ sks cmt from _____ ft. to _____ ft.	Plug Type: _____	Plug Tagged: <input type="checkbox"/>

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 335 sacks half in. half out surface casing from 1330 ft. to 290 ft. Plug Tagged: ☒

Set 23 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:

**GIBBLER 14-3A**

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. Pull bumper spring and tag bottom. Run pressure bomb and obtain pressure gradient survey from surface to \*halfway between top and bottom perms of producing formation\* making gradient stops every 1000'. Forward pressure bomb results to Evans Engineering. RDMO slickline services

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")), 95 sx class "G", 0.4% CD-32, 0.4% ASA-301 mixed at 15.8 ppg and 1.15 cf/sx; 335 sx Type III CaCl<sub>2</sub> cement mixed at 14.0 ppg and 1.53 cf/sx (7.875"+60%)).

8 TOOH 2 3/8" production tubing. Stand back.

9 MIRU WL.

10 RIH gauge ring for 4.5" 11.6#/ft csg to 7880'.

11 RIH CIBP, set at 7840'. PU dump bailer, dump bail 2 sx class "G" cement on CIBP.

12 RIH CIBP, set at 7200'. PT CIBP to 1000 psi. RD WL

13 TIH to 7200'+/- 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 49 BBL (2x tubing volume) water containing biocide to clear tubing.

17 PUH to 5200'.

18 RU cement services.

19 Spot 95 sx class "G", 0.4% CD-32, 0.4% ASA-301 mixed at 15.8 ppg and 1.15 cuft/sx.

20 PUH 28 stands. Reverse circulate 27 BBL (2x tubing volume) water containing biocide to clear tubing.

21 TOOH. WOC 4 hrs.

22 TIH and tag. If cement is below 4175', discuss with production engineer.

23 P&SB 1330' tbg. LD remainder.

24 RU WL. Crack coupling or shoot off casing at 1230'. RDMO WL. Circulate hole using 105 BBL water containing biocide to remove any gas.

25 NDBOP, NDTH.

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

27 TOOH with 4-1/2" casing, LD.

28 TIH into csg stub using production tubing to 1330'.

29 Spot 335 SX Type III CaCl<sub>2</sub> cement mixed at 14.0 ppg and 1.53 cuft/sx.

30 PUH to 200'. Circulate 25 BBLs water containing biocide to clear tubing and casing.

31 TOOH. WOC 4 hrs.

32 TIH and tag. If cement is below 295', discuss with production engineer. TOOH.

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

34 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. This does not include uploading bond logs to the COGCC. That procedure has not changed.

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

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

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

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

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

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

41 Properly abandon flowlines per Rule 1103.

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

43 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: 4/23/2014 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: 4/30/2014

**CONDITIONS OF APPROVAL, IF ANY:** \_\_\_\_\_ Expiration Date: 10/29/2014

<u>COA Type</u>	<u>Description</u>
	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 1330' plug: pump plug and displace. Wait 4 hours then tag plug – must be 443' or shallower. 4) Properly abandon flowlines as per Rule 1103. File electronic Form 42 once abandonment complete.

### **Attachment Check List**

<u>Att Doc Num</u>	<u>Name</u>
400594579	FORM 6 INTENT SUBMITTED
400594584	PROPOSED PLUGGING PROCEDURE
400594585	WELLBORE DIAGRAM

Total Attach: 3 Files

### **General Comments**

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Well Completion report dated 8-09-1999.	4/25/2014 9:13:46 AM

Total: 1 comment(s)