

FORM

6

Rev
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



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Document Number:

400521152

Date Received:

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 & 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 05-123-19787-00

Well Name: HSR-CAMPBELL

Well Number: 1-14A

Location: QtrQtr: NENE Section: 14 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: 40.143750

Longitude: -104.850290

GPS Data:

Date of Measurement: 01/13/2007

PDOP Reading: 3.1

GPS Instrument Operator's Name: Chris Fisher

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

Estimated Depth: 1280

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	7401	7413			
J SAND	7839	7880			
NIOBRARA	7184	7190			

Total: 3 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	615	440	615	0	VISU
1ST	7+7/8	4+1/2	11.6	7,971	275	7,971	6,637	CBL
			Stage Tool	5,202	325	5,190	3,940	CBL

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 7785 with 2 sacks cmt on top. CIPB #2: Depth 7120 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 30 sks cmt from 7120 ft. to 6734 ft. Plug Type: CASING Plug Tagged: ☐
Set 75 sks cmt from 5080 ft. to 4210 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 315 sacks half in. half out surface casing from 1380 ft. to 415 ft. Plug Tagged: ☒

Set 30 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:

CAMPBELL 1-14A

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 7870' 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"), 75 sx class "G", 0.4% CD-32, 0.4% ASA-301 mixed at 15.8 ppg and 1.15 cf/sx; 315 sx Type III CaCl₂ 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 7800'.

11 RIH CIBP, set at 7785'. PU dump bailer, dump bail 2 sx class "G" cement on CIBP.

12 RIH CIBP, set at 7120'. PT CIBP to 1000 psi. RD WL

13 TIH to 7120'+/- 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 48 BBL (2x tubing volume) water containing biocide to clear tubing.

17 Place 9.0 ppg mud containing biocide from 6190' to 5080' (~18BBL).

18 PUH to 5080'.

19 RU cement services.

20 Spot 75 sx class "G", 0.4% CD-32, 0.4% ASA-301 mixed at 15.8 ppg and 1.15 cuft/sx.

21 PUH 24 stands. Reverse circulate 28 BBL (2x tubing volume) water containing biocide to clear tubing.

22 TOOH. WOC 4 hrs.

23 TIH and tag. If cement is below 4210', discuss with production engineer.

24 Place 9.0 ppg mud containing biocide from tag to 1380' (~44BBL).

25 P&SB 1380' tbg. LD remainder.

26 RU WL. Crack coupling or shoot off casing at 1280'. 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 TOOH with 4-1/2" casing, LD.

30 TIH into csg stub using production tubing to 1380'.

31 Spot 315 SX Type III CaCl₂ cement mixed at 14.0 ppg and 1.53 cuft/sx.

32 PUH to 300'. Circulate 20 BBLs water containing biocide to clear tubing.

33 TOOH. WOC 4 hrs.

34 TIH and tag. If cement is below 415', 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. 2) If unable to pull casing, contact COGCC for plugging modifications. 3) Leave at least 100' cement in the wellbore for each plug. 4) For 1380' plug: pump plug and displace, shut-in, WOC 4 hours and tag plug – must be 565' or shallower. 5) Properly abandon flowlines as per Rule 1103.

Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
400521152	FORM 6 INTENT SUBMITTED
400521161	PROPOSED PLUGGING PROCEDURE
400521162	WELLBORE DIAGRAM
400521163	WELLBORE DIAGRAM

Total Attach: 4 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Well completion report dated 10/14/1999.	12/6/2013 9:36:21 AM

Total: 1 comment(s)