

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:

400686864

Date Received:

09/12/2014

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 & 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 05-123-14591-00

Well Name: CHAMPLIN 86 AMOCO Q

Well Number: 1

Location: QtrQtr: NWNE Section: 4 Township: 1N Range: 68W 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: 40.084929

Longitude: -105.004464

GPS Data:

Date of Measurement: 06/08/2009

PDOP Reading: 1.9

GPS Instrument Operator's Name: Paul Tappy

Reason for Abandonment:

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

Casing to be pulled:

☒ Yes☐ No

Estimated Depth: 1120

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	7754	7768			
J SAND	8202	8218			

Total: 2 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	617	440	617	0	VISU
1ST	7+7/8	5+1/2	17	8,471	370	8,471	6,690	CBL

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 8150 with 2 sacks cmt on top. CIPB #2: Depth 7700 with 70 sacks cmt on top.
CIBP #3: Depth 80 with 25 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 70 sks cmt from 7700 ft. to 7030 ft. Plug Type: CASING Plug Tagged: ☐
Set 280 sks cmt from 1220 ft. to 410 ft. Plug Type: STUB PLUG 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 5300 ft. with 570 sacks. Leave at least 100 ft. in casing 4330 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 280 sacks half in. half out surface casing from 1220 ft. to 410 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:

Perforate and squeeze at 5300' - 4300' ft. with 570 sacks Leave at least 100 ft. in casing 4330' CICR Depth

3. MIRU slickline services and VES. Pull bumper spring and tag bottom. Run gyro survey from 8080' to surface with stops every 100'. Forward gyro survey data and invoices to Sabrina Frantz. RD slickline services and VES.

4. Prepare location for base beam equipped rig. Install perimeter fence as needed.

5. Check and record Bradenhead pressure. If Bradenhead valve is not accessible, re-plumb so that valve is above GL.

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 listed below:

7.1 Niobrara Plug: 96 cu ft/ 70 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 cuft/sk yield (670' inside 5-1/2" casing).

7.2 SX Suicide: 655 cu ft/ 570 sx class "G" w/0.25 pps cello flake, 0.4% CD-32, 0.4% ASA-301 mixed at 15.8 ppg and 1.15 cf/sx (1000' in 7-7/8" OH + 60% excess. 1000' inside 5-1/2" casing, no excess).

7.3 Balanced Plug: 372 cu ft/ 280 sx Type III CaCl₂ cement w/0.25 pps cello flake mixed at 14.8 ppg and 1.33 cf/sx (100' inside 5-1/2" csg, 755' inside 7-7/8" OH + 40% excess, and 207' inside 8-5/8" surface casing).

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

9. RU WL. PU gauge ring and RIH to 8200'. TOOH and LD gauge ring.

10. RIH CIBP w/WL. Set at +/- 8150. Dump bail 2 sx neat 'G' cmt. POOH.

11. RIH CIBP w/WL. Set at 7700'. Pressure test CIBP to 1000 psi. POOH.

12. Run CBL from 7000' – surface to verify there is no cement above 6690'. RD WL. Note: it is important to get a good quality CBL. It may be necessary to circulate from just above CIBP to surface in order to get gas out of the hole.

13. RIH w/ 2-3/8" tubing to 7700' while hydrotesting to 3000 psi.

14. RU Cementers. Pump Niobrara Plug: 96 cu ft/ 70 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 cuft/sk yield (670' inside 5-1/2" Casing, no excess) to place cement in production casing from 7700' to 7030'.

15. PUH to 6800'. Circulate 160 bbls water containing biocide to clear tubing. Then, TOOH and SB remainder of tbq.

16. RU WL. PU 3-1/8" perf guns with 3 spf, 0.5" dia 120deg phasing. Shoot 1' of squeeze holes at 5300' and 4300'. RD WL.

17. PU and RIH w/ CICR on 2-3/8" tubing and set CICR at approximately 4330'.

18. RU Cementers. Pump 5 bbl water w/biocide, 20 bbl Sodium Metasilicate, and another 5 bbl water spacer immediately preceding cement. Pump SX Suicide: 655 cu ft/ 570 sx class "G" w/0.25 pps cello flake, 0.4% CD-32, 0.4% ASA-301 mixed at 15.8 ppg and 1.15 cf/sx to place suicide squeeze between perfs from 5300' to 4300'. Under displace and sting out of CICR to leave 3 bbls on top of retainer.

19. PUH to 4000'. Circulate 95 bbls water containing biocide to clear tubing. Then, TOOH.

20. RU WL. Shoot off casing at or below 1120'. RDMO WL. Circulate 30 bbls water containing biocide down casing and up annulus to remove any gas.

21. NDBOP, NDTH.

22. Install BOP on casing head with 5-1/2" pipe rams.

23. TOOH with 5-1/2" casing, LD.

24. RIH with 2-3/8" tubing to 1220'.

25. RU Cementers. Pump 10 bbl SAPP with a minimum of 20 bbl fresh water spacer. Pump Balanced Plug: 372 cu ft/ 280 sx Type III CaCl₂ cement w/0.25 pps cello flake mixed at 14.8 ppg and 1.33 cf/sx from 1220' to 410'.

26. PUH to 200'. Circulate 5 bbls water containing biocide to clear cement and tubing.

27. TOOH. WOC 4 hrs. Tag Cement. Cement top needs to be at or above 410'; Proceed assuming TOC is at or above 410'. Otherwise, call production engineer.

28. MIRU WL. RIH 8-5/8" CIBP to 80'. Set, PT to 1000 psi for 15 min. If tests, RDMO WL and WO rig.

29. 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.

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: 9/12/2014 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: 9/19/2014

CONDITIONS OF APPROVAL, IF ANY: _____ Expiration Date: 3/18/2015

<u>COA Type</u>	<u>Description</u>
	1) Submit Form 42 electronically to COGCC 48 hours prior to MIRU. 2) No CBL on file. Run CBL to verify the top of primary and squeezed cement is at least 200' over Niobrara, at least 50' below Shannon to 200' above Sussex, and adequately isolates the Fox Hills aquifer. If cement does not exist as required, provide this coverage as part of this plugging project. 3) If unable to pull casing contact COGCC for plugging modifications. 4) For 1220' plug: pump plug and displace, shut-in, WOC 4 hours and tag plug – must be 567' or shallower. 5) Properly abandon flowlines as per Rule 1103. File electronic Form 42 once abandonment complete. 6) Please submit gyro survey data with Form 6 (s) Subsequent Report of Abandonment.

Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
400686864	FORM 6 INTENT SUBMITTED
400686866	PROPOSED PLUGGING PROCEDURE
400686867	WELLBORE DIAGRAM

Total Attach: 3 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Well Completion Report dated 6/12/1990 & 5/11/2001.	9/16/2014 8:39:04 AM

Total: 1 comment(s)