

Document Number:
400698965

Date Received:
09/30/2014

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: Carlile, Craig Tel: (970) 629-8279

COGCC contact: Email: craig.carlile@state.co.us

API Number 05-123-24334-00

Well Name: REYNOLDS Well Number: 21-24

Location: QtrQtr: NENW Section: 24 Township: 3N 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: 40.217050 Longitude: -104.953700

GPS Data:
Date of Measurement: 12/12/2006 PDOP Reading: 4.9 GPS Instrument Operator's Name: CHRIS FISHER

Reason for Abandonment: Dry Production for Sub-economic Mechanical Problems
 Other _____

Casing to be pulled: Yes No Estimated Depth: 1780

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	7386	7406			

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	769	540	769	0	VISU
1ST	7+7/8	4+1/2	11.6	7,532	140	7,532	6,720	CBL
S.C. 1.1				6,720	125	6,720	6,014	CBL
S.C. 1.2	7+7/8	4+1/2	11.6	5,014	230	5,014	3,440	CBL

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 7300 with 40 sacks cmt on top. CIBP #2: Depth 80 with 25 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 30 sks cmt from 4370 ft. to 3970 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 _____ 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 450 sacks half in. half out surface casing from 1880 ft. to 560 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:

4. Prepare location for base beam equipped rig.
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 Balanced Plug: 55 cu ft/ 40 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 (580' inside 4-1/2" casing).
 - 7.2 SX Balanced Plug: 33 cu ft/ 30 sx class "G" w/ 0.4% CD-32, 0.4% ASA-301 mixed at 15.8 ppg and 1.15 cf/sx (400' inside 4-1/2" casing, no excess).
 - 7.3 Stub Plug: 598 cu ft/ 450 sx Type III CaCl2 cement w/0.25 pps cello flake mixed at 14.8 ppg and 1.33 cf/sx (100' inside 4-1/2" csg, 1011' in 8.75" OH + 20% excess, and 209' in 8-5/8" surface casing).
8. TOOH 2-3/8" OD production tubing. Stand back.
9. MIRU WL. RIH gauge ring for 4-1/2", 11.6#/ft casing to 7380'. POOH.
10. RIH CIBP w/ WL. Set at +/- 7300'. POOH. PT CIBP to 1000 psi for 15 minutes. Dump bail 2 sx class "G" cement on CIBP. POOH.
11. RIH 2-3/8" tbg while hydrotesting tbg to 3000 psi to 7300'.
12. RU Cementers. Pump Niobrara Balanced Plug: 55 cu ft/ 40 sx "G" w/20% silica flour, 0.4% CD-32, 0.4% ASA-301 and R-3 15.8 ppg and 1.38 cuft/sk yield (580' inside 4-1/2" Casing, no excess) to place cement from 7300' to 6720'.
13. PUH to 6400'. Circulate 100 bbls water containing biocide to clear tubing. PUH and LD all but 4370' of tbg.
14. RU Cementers. Pump SX Balanced Plug: 33 cu ft/ 30 sx class "G" w/ 0.4% CD-32, 0.4% ASA-301 mixed at 15.8 ppg and 1.15 cf/sx to place cement from 4370' to 3970'.
15. PUH to 3700'. Circulate 60 bbls water containing biocide to clear tubing. WOC 4 hours.
16. Tag TOC at or above 3970' w/ 2-3/8" OD tubing. If plug is tagged deeper than 3970' contact engineering. Then, TOOH and LD all but 1880' of tbg.
17. RU WL. Shoot off casing at or below 1780'. RDMO WL. Circulate water containing biocide to remove any gas.
18. NDBOP, NDTH.
19. Install BOP on casing head with 4-1/2" pipe rams.
20. TOOH with 4-1/2" casing, LD.
21. RIH with 2-3/8" OD tubing to 1880'.
22. RU Cementers. Pump 10 bbl SAPP with a minimum of 20 bbl fresh water spacer. Spot Stub Plug: 598 cu ft/ 450 sx Type III CaCl2 cement w/0.25 pps cello flake mixed at 14.8 ppg and 1.33 cf/sx from 1880' to 560'.
23. PUH to ~300'. Circulate 20 bbls water containing biocide to clear tubing.
24. TOOH. WOC 4 hrs. Tag Cement. Cement top needs to be above 560'; Proceed assuming TOC is above 560'. Otherwise, call production engineer.
25. MIRU WL. RIH 8-5/8" CIBP to 80'. Set, PT to 1000 psi for 15 min. If tests, RDMO WL and WO rig.
26. 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.
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 flowlines.
29. Excavate hole around surface casing enough to allow welder to cut 8 5/8" casing minimum 5' below ground level.
30. Welder cut 8 5/8" casing minimum 5' below ground level.
31. MIRU ready cement mixer. Use 4500 psi compressive strength cement, (NO gravel) fill stubout.
32. Spot weld on steel marker plate. Marker should contain Well name, Well number, legal location (1/4 1/4 descriptor) and API number.
33. Obtain GPS location data as per COGCC Rule 215 and send to rscDJVendors@anadarko.com.
34. Properly abandon flowlines per Rule 1103.
35. Back fill hole with fill. Clean location, level.
36. 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: 9/30/2014 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: 10/22/2014

CONDITIONS OF APPROVAL, IF ANY: _____ Expiration Date: 4/21/2015

COA Type	Description
	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 1880' plug: pump plug and displace, shut-in, WOC 4 hours and tag plug – must be 719' 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>
400698965	FORM 6 INTENT SUBMITTED
400698968	PROPOSED PLUGGING PROCEDURE
400698969	WELLBORE DIAGRAM

Total Attach: 3 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Well Completion Report dated 5/9/2007.	10/20/2014 11:17:26 AM

Total: 1 comment(s)