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400766499

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01/07/2015

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 05-123-18588-00 Well Number: 1-15

Well Name: CAROLE RED V

Location: QtrQtr: SWSE Section: 1 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: 40.161350 Longitude: -104.836740

GPS Data:
Date of Measurement: 03/22/2007 PDOP Reading: 2.1 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: 1130

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	7350	7367	01/20/2014	B PLUG CEMENT TOP	7300

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	530	470	530	0	VISU
1ST	7+7/8	3+1/2	7.7	7,493	300	4,680	3,970	CBL
S.C. 1.1				7,493	200	7,493	6,500	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 20 sks cmt from 4520 ft. to 4080 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 310 sacks half in. half out surface casing from 1230 ft. to 330 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:

6. MIRU. ND WH. NU and function test BOP.
7. Notify cementers to be on call. Provide volumes listed below:
 - 7.1 SX Plug: 23 cu ft/20 sx class "G" w/0.4% CD-32, 0.4% ASA-301 mixed at 15.8 ppg and 1.15 cf/sx (440' inside 2-7/8" casing, no excess).
 - 7.2 Stub Plug: 412 cu ft/310 sx Type III cement w/0.25 pps cello flake and CaCl₂ as deemed necessary mixed at 14.8 ppg and 1.33 cf/sx (100' in 3-1/2" production casing, 600' in 8.5" OH + 40% excess, and 200' in 8 5/8" surface casing). Nearest caliper reading at 3900'.
8. RIH open ended 2-1/16" tbg to 4520' while hydrotesting to 3000 psi.
9. RU Cementers. Pump SX Plug: 23 cu ft/20 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 in 3-1/2" production casing from 4520' to 4080'.
10. PUH to 3600'. Circulate 40 bbls water containing biocide to clear tubing and cement. WOC per cement company's recommendations.
11. Tag TOC at or above 4080' w/ 2-1/16" tbg. Then, TOOH and LD all but 1230' of tubing.
12. RU WL. Shoot off 3-1/2" casing at or below 1130'. RD WL. Circulate water containing biocide to remove any gas.
13. NDBOP, NDTH.
14. Install BOP on casing head with 3-1/2" pipe rams.
15. TOOH with 3-1/2" casing, LD.
16. RIH with 2-1/16" tubing to 1230'.
17. RU Cementers. Pump 10 bbl SAPP with a minimum of 20 bbl fresh water spacer. Spot Stub Plug: 412 cu ft/310 sx Type III cement w/0.25 pps cello flake and CaCl₂ as deemed necessary mixed at 14.8 ppg and 1.33 cf/sx. Plug to cover from 1230' to 330'.
18. PUH to 200' and circulate 35 bbls water containing biocide to clear tubing.
19. TOOH. WOC 4 hrs. Tag Cement. Cement top needs to be above 330'; Proceed assuming TOC is above 330'. Otherwise, call engineer.
20. MIRU WL. RIH 8-5/8" CIBP to 80'. Set and PT to 1000 psi for 15 min. If test holds, RDMO WL and WO rig.
21. 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.
22. Supervisor submit paper copies of all invoices, logs, and reports to Joleen Kramer.
23. Excavation crew to notify One Call to clear excavation area around wellhead and for flowlines.
24. Excavate hole around surface casing enough to allow welder to cut 8-5/8" casing minimum 5' below ground level.
25. Welder cut 8-5/8" casing minimum 5' below ground level.
26. MIRU ready cement mixer. Use 4500 psi compressive strength cement, (NO gravel) fill stubout.
27. Spot weld on steel marker plate. Marker should contain Well name, Well number, legal location (1/4 1/4 descriptor) and API number.
28. Properly abandon flowlines per Rule 1103.
29. Obtain GPS location data as per COGCC Rule 215 and send to rscDJVendors@anadarko.com.
30. Back fill hole with fill. Clean location, level.
31. 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: 1/7/2015 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: Reeves, Daniel Date: 2/2/2015

CONDITIONS OF APPROVAL, IF ANY: _____ Expiration Date: 8/1/2015

<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 1230' plug: pump plug and displace, shut-in, WOC 4 hours and tag plug – must be 480' or shallower. 4) Properly abandon flowlines as per Rule 1103. File electronic Form 42 once abandonment complete. 5) Please submit existing gyro survey data with Form 6 (s) Subsequent Report of Abandonment.

Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
400766499	FORM 6 INTENT SUBMITTED
400766500	PROPOSED PLUGGING PROCEDURE
400766501	WELLBORE DIAGRAM

Total Attach: 3 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Well Completion Report dated 12/2/1994.	1/13/2015 9:06:04 AM

Total: 1 comment(s)