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 400649803
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 07/23/2014

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 & 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 05-123-08727-00 Well Number: 1
 Well Name: UPRR 42 PAN AM S
 Location: QtrQtr: NENE Section: 31 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: 40.098880 Longitude: -104.926650
 GPS Data:
 Date of Measurement: 09/04/2008 PDOP Reading: 2.2 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: 1200
 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	8110	8136			

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
1ST	7+7/8	4+1/2	10.5	8,250	250	7,895	6,892	CBL
2ND LINER	12+1/4	8+5/8	24	783	600	783	0	VISU

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 8050 with 2 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 510 sks cmt from 1320 ft. to 580 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:
Set _____ sks cmt from _____ ft. to _____ ft. Plug Type: _____ Plug Tagged:

Perforate and squeeze at 7310 ft. with 110 sacks. Leave at least 100 ft. in casing 7040 CICR Depth
Perforate and squeeze at 5500 ft. with 820 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

(Cast Iron Cement Retainer Depth)

Set 510 sacks half in. half out surface casing from 1320 ft. to 580 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 7310' - 7010' ft. with 110 sacks Leave at least 100 ft. in casing 7040' CICR Depth
 Perforate and squeeze at 5500' - 4300' ft. with 820 sacks Leave at least 100 ft. in casing 4330' CICR Depth
 7. Notify cementers to be on call. Provide volumes listed below:
 7.1) Niobrara Plug: 188 cu ft/ 110 sx 50/50 Poz "G" w/20% silica flour, 3% gel, 0.1% sodium metasilicate and 0.4% FL-52 Mixed at 13.5 ppg and 1.71 cuft/sk yield (300' inside 10" OH + 20% excess and 300' inside 4-1/2" casing).
 7.2) SX Suicide: 943 cu ft/ 820 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 (1200' between 11.25" OH + 20% excess. 1200' inside 4 1/2" casing, no excess).
 7.3) Stub Plug: 678 cu ft/510 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, 726' in 11-1/4" OH + 40% excess, 203' in 8-5/8" surface casing, and 437' in 4-1/2" production casing).
 8. TOOH 2-3/8" production tubing. Stand back.
 9. MIRU WL. RIH gauge ring for 4-1/2" 10.5#/ft casing to 8100'. POOH.
 10. RIH CIBP w/ WL. Set at +/- 8050'. POOH. PT CIBP to 1000 psi for 15 minutes. Dump bail 2 sx class "G" cement on CIBP. POOH.
 11. Run CBL from CIBP to Surface. Send results to Tyler.Davis@anadarko.com immediately. Do not proceed without engineering consent (may need to change amount of cement and setting depths). If there is cement coverage to ~7010', we don't need to do a Niobrara squeeze.
 12. PU 2 - 1' 3-1/8" perf guns with 3 spf, 0.5" dia 120deg phasing. Shoot 1' of squeeze holes at 7310' and 7010'. RD WL.
 13. PU CICR and RIH on 2-3/8" tbg while hydrotesting tbg to 3000 psi. Set CICR at approximately 30' below the top perf pending collar locator on CBL.
 14. RU Cementers. Pump Niobrara Suicide: 188 cu ft/ 110 sx 50/50 Poz "G" w/20% silica flour, 3% gel, 0.1% sodium metasilicate and 0.4% FL-52 mixed at 13.5 ppg and 1.71 cuft/sk yield (300' in 10" OH + 20% excess and 300' inside 4-1/2" Casing, no excess) to place suicide squeeze between perfs from 7310' to 7010'. Underdisplace and sting out of CICR to leave 3 bbls on top of retainer.
 15. PUH to 5500'. Circulate 80 bbls water containing biocide to clear tubing. Then, TOOH and SB remainder of tbg.
 16. PU 2 - 1' 3-1/8" perf guns with 3 spf, 0.5" dia 120deg phasing. Shoot 1' of squeeze holes at 5500' and 4300'.
 17. PU and RIH w/ CICR and 2-3/8" tubing and set CICR at approximately 30' below the top perf pending collar locator on CBL.
 18. RU Cementers. Pump 5 bbl water w/biocide, 20 bbl Sodium Metasilicate, and another 5 bbl spacer immediately preceding cement.
 19. Pump SX Suicide: 943 cu ft/ 820 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 (1200' in 11.25" OH + 20% excess and 1200' inside 4-1/2" casing) to place suicide squeeze between perfs from 5500' to 4300'. Under displace and sting out of CICR to leave 3 bbls on top of retainer.
 20. PUH 300'. Circulate 50 bbls water containing biocide to clear tubing. Then, TOOH and LD all but 1320' of tbg.
 21. RU WL. Shoot off casing at or below 1220'. RDMO WL. Circulate water containing biocide to remove any gas.
 22. NDBOP, NDTH.
 23. Install BOP on casing head with 4-1/2" pipe rams.
 24. TOOH with 4-1/2" casing, LD.
 25. RIH with 2-3/8" tubing to 1320'.
 26. RU Cementers. Spot Stub Plug: 678 cu ft/510 sx Type III CaCl2 cement w/0.25 pps cello flake mixed at 14.8 ppg and 1.33 cf/sx (100' in 4-1/2" prod casing, 437' in 11-1/4" OH + 40% excess, and 203' in 8-5/8" surface casing).
 27. TOOH. WOC 4 hrs. Tag Cement. Cement top needs to be above 580'; Proceed assuming TOC is above 580'. 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: 7/23/2014 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: 7/29/2014

CONDITIONS OF APPROVAL, IF ANY: _____ Expiration Date: 1/28/2015

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 1320' plug: pump plug and displace, shut-in, WOC 4 hours and tag plug – must be 733' or shallower. 4) Properly abandon flowlines as per Rule 1103. File electronic Form 42 once abandonment complete. 5) Please submit gyro survey data with Form 6 (s) Subsequent Report of Abandonment.

Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
400649803	FORM 6 INTENT SUBMITTED
400649806	PROPOSED PLUGGING PROCEDURE
400649807	WELLBORE DIAGRAM

Total Attach: 3 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Well Completion Report dated 10/16/1978.	7/24/2014 4:15:24 PM

Total: 1 comment(s)