

Document Number:
400703616

Date Received:

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: REBECCA HEIM
 Name of Operator: KERR MCGEE OIL & GAS ONSHORE LP Phone: (720) 929-6361
 Address: P O BOX 173779 Fax: (720) 929-7361
 City: DENVER State: CO Zip: 80217- Email: REBECCA.HEIM@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 05-123-30595-00 Well Number: 12-22D
 Well Name: OPATRIL P
 Location: QtrQtr: NESE Section: 12 Township: 3N 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: 40.236640 Longitude: -104.831753
 GPS Data:
 Date of Measurement: 05/17/2010 PDOP Reading: 2.2 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: 980
 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	7438	7457			
J SAND	7886	7920			
NIOBRARA	7158	7322			

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	555	555	555	0	VISU
1ST	7+7/8	4+1/2	11.6	8,039	8,039	8,039	1,200	CBL

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 7810 with 2 sacks cmt on top. CIPB #2: Depth 7080 with 25 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 25 sks cmt from 7080 ft. to 6710 ft. Plug Type: CASING Plug Tagged:
Set 35 sks cmt from 4650 ft. to 4200 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 220 sacks half in. half out surface casing from 1080 ft. to 350 ft. Plug Tagged:

Set _____ 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:

Engineer: Jade Patterson (SEE ATTACHED PROCEDURE)

Cell: 509-307-7514

Date: 10/8/2014

PLUG AND ABANDONMENT PROCEDURE

OPATRIL P 12-22D, API 05-123-30595

Steps

1. Provide 48 hour notice to COGCC prior to rig up per request on approved Form 6 (e.g. call field coordinator, submit Form 42, etc.). Call IOC (970-506-5980) at least 24 hours prior to rig move. Request they catch and remove plunger, isolate production equipment and remove any automation prior to rig MIRU.
2. MIRU slickline services. Pull bumper spring and tag bottom. RDMO slickline services.
3. Prepare location for base beam equipped rig. Install perimeter fence as needed.
4. Check and record Bradenhead pressure. If Bradenhead valve is not accessible, re-plumb so that valve is above GL.
5. MIRU, kill as necessary using clean fresh water with biocide. NDWH. NUBOP. Unseat landing jt, LD.
6. Notify cementers to be on call. Provide volumes listed below:
 - 6.1 Niobrara plug: 25 sx (35 cu-ft) "G" w/silica flour, 0.4% CD-32, 0.4 ASA-301 and R-3 to achieve 2:30 pump time. Mix at 15.8 ppg and 1.38 cu-ft/sk. Cement volume based on 370' in 4 1/2" casing, no excess.
 - 6.2 Sussex plug: 35 sx (40 cu-ft) "G" w/0.4% CD-32, 0.4% ASA-301, mixed at 15.8 ppg and 1.15 cu-ft/sk. Cement volume based on 450' in 4 1/2" casing with no excess.
 - 6.3 Foxhills plug: 220 sx (293 cu-ft) Type III w/cello flake and CaCl2 as necessary, mixed at 14.8 ppg and 1.33 cu-ft/sk. Cement volume based on 100' in 4 1/2" casing, 425' in a 8 1/2" OH with 20% excess, and 205' in 8 5/8" casing. Caliper on file.
7. TOOH 256 joints of 2 3/8" tubing landed at 7865'. Stand back.
8. MIRU WL. RIH gauge ring for 4 1/2" 11.6# casing to 7870'. POOH.
9. PU 4 1/2" 11.6# CIBP and RIH w/WL. Set at +/-7810' to abandon J Sand perms. Dump bail 2 sx class "G" cement on CIBP. Cannot PT due to perms above.
10. PU 4 1/2" 11.6# CIBP and RIH w/WL. Set at +/-7080' to abandon Niobrara and Codell perms. PT to 1000 psi.
11. RIH with 2 3/8" tubing to +/- 7080'. Hydrotest tubing to 3000 psi while RIH.
12. RU cementers. Pump Niobrara plug: 25 sx (35 cu-ft) "G" w/silica flour, 0.4% CD-32, 0.4 ASA-301 and R-3 to achieve 2:30 pump time. Mix at 15.8 ppg and 1.38 cu-ft/sk. Plug to cover 7080'-6710'.
13. PUH to ~6400'. Circulate with water containing biocide to displace cement and clear tubing.
14. PUH to 4650', LD remainder of tubing.
15. Pump Sussex plug: 35 sx (40 cu-ft) "G" w/0.4% CD-32, 0.4% ASA-301, mixed at 15.8 ppg and 1.15 cu-ft/sk. Plug to cover 4650'-4200'.
16. PUH to ~3900'. Circulate with water containing biocide to displace cement and clear tubing. RD cementers. WOC per cement company recommendations.
17. RIH with 2 3/8" tubing. Tag top of plug at or above 4200'. If not, consult Evans Engineering.
18. P&SB 1080', LD remaining tubing.
19. RU WL. Shoot off 4 1/2" casing at or below 980'. RD WL. Circulate casing with water containing biocide to remove any gas. NDBOP, NDTH.
20. Install BOP on casing head with 4 1/2" pipe rams.
21. TOOH 4 1/2" casing, LD.
22. RIH with 2 3/8" tubing to 1080' inside 4 1/2" casing.
23. RU cementers. Precede cement with 10 bbl SAPP and a minimum 20 bbl fresh water spacer. Pump Foxhills plug: 220 sx (293 cu-ft) Type III w/ cello flake and CaCl2 as necessary, mixed at 14.8 ppg and 1.33 cu-ft/sk. Plug to cover 1080'-980' in 4 1/2" casing, 980'-555' in 8 1/2" OH with 20% excess, and 555'-350' in 8 5/8" casing. Caliper on file.
24. PUH to 100' and circulate with water and biocide to displace cement and clear tubing.
25. WOC per cement company recommendation. Tag cement at or above 350'. If not, consult with Evans Engineering.
26. RU WL. RIH 8 5/8" 24# CIBP to 80'. Set and pressure test to 1000 psi for 15 minutes. If tests, RDMO WL and WO rig.

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: _____

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: _____

Date: _____

CONDITIONS OF APPROVAL, IF ANY: _____

Expiration Date: _____

Attachment Check List

Att Doc Num

Name

400703635	WELLBORE DIAGRAM
400703636	PROPOSED PLUGGING PROCEDURE

Total Attach: 2 Files

General Comments

User Group

Comment

Comment Date

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>

Total: 0 comment(s)