FORM 6 Rev 12/05

State 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: 400762998

Date Received: 01/02/2015

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, COGCC contact: Name: Montoya, John Tel: (970) 397-4124 Email: john.montoya@state.co.us

API Number 05-123-08417-00

Well Name: UPRR 42 PAN AM "R" Well Number: 1

Location: QtrQtr: SWNE Section: 21 Township: 2N Range: 66W 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: 40.126320 Longitude: -104.778630

GPS Data:

Date of Measurement: 04/22/2008 PDOP Reading: 3.1 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:

Fish in Hole: ☐ Yes ☒ No If yes, explain details below

Wellbore has Uncemented Casing leaks: ☐ Yes ☒ No If yes, explain details below

Details: Casing leak discovered during completion in 1975 from 1210' to 1204'. Cemented with 300 sks. In 2005 the Codell was completed. 200 sks of remedial cement was placed from 7115' to 5960' with one foot of squeeze perfs made at 7111'. A suicide squeeze of 280 sks placed cement from 4898' to 4708' with squeeze perfs made at 4900' and 4300'.

Current and Previously Abandoned Zones

Formation	Perf. Top	Perf. Btm	Abandoned Date	Method of Isolation	Plug Depth
CODELL	7454	7470			
J SAND	7920	7942	02/10/2005	BRIDGE PLUG	7580

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	28	245	200	245	0	VISU
1ST	7+7/8	4+1/2	11.6	8,050	200	8,050	7,124	CBL
S.C. 1.1				7,111	200	7,115	5,960	CBL
S.C. 2.1				4,900	280	4,900	4,708	CBL
S.C. 3.1				1,210	600	1,359	1,153	CBL
			Stage Tool	803	300	827	246	CBL

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 7380 with 40 sacks cmt on top. CIPB #2: Depth _____ with _____ sacks cmt on top.

CIBP #3: Depth _____ with _____ 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 40 sks cmt from 7400 ft. to 6760 ft. Plug Type: CASING Plug Tagged: ☐

Set 65 sks cmt from 5000 ft. to 4200 ft. Plug Type: CASING Plug Tagged: ☒

Set 75 sks cmt from 1430 ft. to 350 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: ☐

Perforate and squeeze at 240 ft. with 60 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 _____ sacks half in. half out surface casing from _____ ft. to _____ 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:

4. MIRU, kill as necessary using clean fresh water with biocide. NDWH, NUBOP.
5. Check and record Bradenhead pressure. If Bradenhead valve is not accessible, re-plumb so that valve is above GL.
6. Notify cementers to be on call. Provide volumes listed below:
6.1 Niobrara plug: 40 sx (55 cu-ft) “G” w/20% 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 620’ in 4 ½” casing, no excess.
6.2 Sussex plug: 65 sx (75 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 800’ in 4 ½” casing.
6.3 Foxhills lower plug: 75 sx (100 cu-ft) Type III w/CaCl2 as necessary, mixed at 14.8 ppg and 1.33 cu-ft/sk. Cement volume based on 1080’ in 4 ½” casing.
6.4 Foxhills upper plug: 60 sx (80 cu-ft) Type III w/CaCl2 as necessary, mixed at 14.8 ppg and 1.33 cu-ft/sk. Cement volume based on 210’ in 4 ½” casing and 228’ in 8 5/8” X 4 ½” annulus.
7. Release packer at 7175’. Wait 15 minutes and TOOH 235 joints of 2 3/8” tubing landed at 7435’. Stand back tubing. Send packer to Thunderbird Tool and Rental for redressing.
8. PU scraper and RIH on 2 3/8” tubing to PBD determined by slickline. Circulate to remove gas above Codell. TOOH and LD scraper.
9. MIRU WL. RIH with dump bailer to sand plug at ~7580’. Dump bail 2 sx of class “G” cement. Sand plug needs to be between 7580’ and 7720’.
10. PU 4 ½” 11.6# CIBP, RIH and set at +/-7380’ to abandon Codell perfs. PT to 500 psi due to squeeze perfs above. Standby WL.
11. RIH to 2500’ and circulate hole to remove all excess gas. TOOH.
12. RU WL. Run CBL from CIBP to surface. RD WL. Send results to Evans Engineering immediately (cement jobs may change).
13. RIH with 2 3/8” production tubing to +/- 7380’, tag CIBP and PUH 5’. Hydrotest tubing to 3000 psi while RIH.
14. RU cementers. Pump Niobrara plug: 40 sx (55 cu-ft) “G” w/20% 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 7380’ to 6760’.
15. PUH to ~6400’. Circulate with water containing biocide to displace cement and clear tubing.
16. PUH to 5000’, LD remainder.
17. Pump Sussex plug: 65 sx (75 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 from 5000’-4200’ in 4 ½” casing.
18. PUH to ~3900’. Circulate with water containing biocide to displace cement and clear tubing.
19. WOC per cement company recommendations. Tag cement at or above 4200’. If not, consult with Evans Engineering.
20. PUH to 1430’, LD remainder.
21. Pump Foxhills lower plug: 75 sx (100 cu-ft) Type III w/CaCl2 as necessary, mixed at 14.8 ppg and 1.33 cu-ft/sk. RD cementers. Plug to cover from 1430’-350’ in 4 ½” casing.
22. PUH to 250’ and circulate clean. TOOH and WOC per cement company recommendations.
23. Tag cement at 350’ or shallower. If not, consult with Evans Engineering. TOOH.
24. PU 1-11/16” perf gun with 3 spf, 120 degree phasing, and 0.37” EHD. Shoot 1’ of squeeze perfs above annular cement at ~240’. RD WL.
25. Establish circulation down 4 ½” casing and out the surface casing to remove any excess gas.
26. NDBOP, NDTH. RU cementers.
27. Pump foxhills upper plug: 60 sx (80 cu-ft) Type III w/CaCl2 as necessary, mixed at 14.8 ppg and 1.33 cu-ft/sk. Plug to cover from 240’-30’ in 4 ½” casing and 240’-surface p in 8 5/8” X 4 ½” annulus. Follow cement with a wiper plug and displace to 30’. RDMO WL and WO rig.
28. Instruct cementing and wireline contractors to email copies of all job logs/jobs summaries to rscDJVendors@anadarko.com within 24 hours of completion of the job.
29. Supervisor is to submit paper copies of all invoices, logs, and reports to Joleen Kramer.
30. Excavation crew to notify One Call to clear excavation area around wellhead and for flowlines.
31. Excavate hole around surface casing enough to allow welder to cut surface and production casing minimum 5’ below ground level.
32. Welder cut surface and produc

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: 1/2/2015 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: SCHLAGENHAUF, MARK Date: 5/1/2015

CONDITIONS OF APPROVAL, IF ANY: Expiration Date: 10/31/2015

COA Type	Description
	1) Submit Form 42 electronically to COGCC 48 hours prior to MIRU. 2) For 240' plug: pump plug and displace, shut-in, WOC 4 hours and tag plug – must be 195’ or shallower. If shoe plug not circulated to surface then place 10-40 sx inside casing at surface. Leave at least 100' for each plug. 3) Properly abandon flowlines as per Rule 1103. File electronic Form 42 once abandonment complete. 4) Please submit existing gyro survey data with Form 6 (s) Subsequent Report of Abandonment.

Attachment Check List

Att Doc Num	Name
400762998	FORM 6 INTENT SUBMITTED
400763007	PROPOSED PLUGGING PROCEDURE
400763008	WELLBORE DIAGRAM

Total Attach: 3 Files

General Comments

User Group	Comment	Comment Date
Permit	Well Completion Report dated 10/24/1975 & 4/29/2005.	1/6/2015 9:30:02 AM

Total: 1 comment(s)