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

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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 05-123-19856-00

Well Name: ALE PARTNERSHIP FEDERAL Well Number: W 29-9JI

Location: QtrQtr: NESE Section: 29 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: 40.107785 Longitude: -104.793988

GPS Data:

Date of Measurement: 04/08/2010 PDOP Reading: 2.4 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: 1460

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	7902	7948			

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	869	400	869	0	VISU
1ST	7+7/8	4+1/2	11.6	8,008	200	8,008	6,870	CBL
			Stage Tool	4,969	150	4,980	4,280	CBL

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 7850 with 2 sacks cmt on top. CIPB #2: Depth 80 with 25 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 60 sks cmt from 5070 ft. to 4280 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 6860 ft. with 100 sacks. Leave at least 100 ft. in casing 6530 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 390 sacks half in. half out surface casing from 1560 ft. to 470 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:

5. MIRU WO rig. Kill well as necessary using clean fresh water with biocide. ND WH. NU BOP. Unseat landing joint, and LD.
6. TOOH and SB 6860’ 2-3/8" tubing.
7. RU WL. PU gauge ring and RIH to 7880’ for 4-1/2" 11.6 lb/ft casing (spud date = 1/22/2000). POOH and LD gauge ring.
8. Set CIBP at 7850' (collars are located at 7825’ and 7868’) to abandon the J Sand perfs. Standby WL.
9. Fill hole and pressure test CIBP to 1000 psi for 15 minutes.
10. PU dump bailer and spot 2 sxs of “G” cement on the CIBP at 7850’.
11. PU and RIH with two 3-1/8" perf guns with 3 spf, 0.50" EHD, 120° phasing. Shoot 1' of squeeze holes at 6860' and 2’ at 6500'. RD WL.
12. RU 4-1/2" CICR and RIH on 2-3/8" tubing while hydrotesting to 4000 psi and set CICR at 6530'.
13. RU Cementers. Establish circulation through squeeze holes. Pump Niobrara suicide squeeze: 100 sxs (165 cf) 1:1:3 'Poz G Gel'+20% silica+0.4% CFL-3+0.4% CFR-2+0.1% SMS, mixed at 13.5 ppg & 1.66 cf/sk. Under-displace by 2 bbls and un-sting from CICR spotting at least 100' cement on top of the squeeze holes. The plug will cover 6860' - 6370'. Volume is based on 360' in 8.5" OH from caliper with 20% excess, and 490' in 4-1/2" production casing with no excess. RDMO cementers.
14. Slowly pull out of the cement and PUH to 6000' and circulate tubing clean to ensure no cement is left in the tubing. TOOH, SB 5070’ 2-3/8” tubing, and LD CICR stinger setting assembly. RIH to 5070’.
15. RU Cementers. Pump Sussex balanced plug: 60 sxs (69 cf) 0:1:0 'G'+0.5% CFR-2+0.2% FMC+0.5% LWA, mixed at 15.8 ppg & 1.15 cf/sk. The plug will cover 5070' - 4280'. Volume is based on 790' in 4-1/2" production casing with no excess. RD cementers.
16. Slowly pull out of the cement and PUH to 3900' and circulate to ensure no cement is left in the tubing.
17. WOC per cement company recommendation. Tag cement. Cement top needs to be above 4308' (COGCC requires 200’ above the Sussex TOP of 4508’).
18. TOOH and SB 1560’ 2-3/8” tubing.
19. RU WL. RIH and cut casing at 1460'. RD WL.
20. Circulate with fresh water containing biocide to remove any gas.
21. Un-land casing. ND BOP, ND TH. Install BOP on casing head with 4-1/2" pipe rams.
22. TOOH and LD 1460' of 4-1/2" casing. Remove 4-1/2" pipe rams and install 2-3/8" pipe rams.
23. RIH with 2-3/8" tubing to 1560'.
24. RU Cementers. Precede cement with 10 bbl (min) SAPP followed by a 20 bbl fresh water spacer. Pump Stub Plug: 390 sxs (519 cf) Type III+0.3% CFL-3+0.3% CFR-2+0.25 lb/sk Polyflake, mixed at 14.8 ppg & 1.33 cf/sk (100' in 4-1/2" production casing with no excess, 591' in 9" OH from caliper with 40% excess, 405' in 8-5/8" surface casing with no excess). The plug will cover 1560' - 464'. RD cementers.
25. Pull up to 200' and circulate tubing clean using fresh water treated with biocide.
26. WOC per cement company recommendation. Tag cement. Cement top needs to be above 470' (COGCC is requiring 50’ above the Fox Hills sand TOP located at 522’). TOOH.
27. RU WL. RIH 8-5/8" CIBP to 80'. Set and pressure test to 1000 psi for 15 minutes. RDMO WL and WO rig.
28. Instruct cementing and wireline contractors to e-mail copies of all job logs/job summaries to rscDJVendors@anadarko.com within 24 hours of completion of the job.
29. Supervisor submit paper copies of all invoices, logs, and reports to Evans Engineering Specialist.
30. Excavation crew to notify One Call to clear excavation area around wellhead and for flow lines.
31. Excavate hole around surface casing enough to allow welder to cut casing a minimum 5’ below ground level.
32. Welder cut casing minimum 5' below ground level.
33. Fill casing to surface using 4500 psi compressive strength cement (NO gravel).
34. Spot weld on steel marker plate. Marker should contain Well name, Well number, legal location (1/4 1/4 descriptor) and API number.
35. Obtain GPS location data as p

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: 5/1/2015 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: 6/19/2015

CONDITIONS OF APPROVAL, IF ANY: Expiration Date: 12/18/2015

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 1560' plug: pump plug and displace, shut-in, WOC 4 hours and tag plug – must be 472’ 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

Att Doc Num	Name
400834184	FORM 6 INTENT SUBMITTED
400834187	PROPOSED PLUGGING PROCEDURE
400834188	WELLBORE DIAGRAM

Total Attach: 3 Files

General Comments

User Group	Comment	Comment Date
Permit	Well Completion Report dated 3/30/2000. Permitting Review Complete.	5/6/2015 9:24:59 AM

Total: 1 comment(s)