

FORM
6Rev
12/05State 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: 400702567			
Date Received: 10/07/2014			

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: 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 05-123-24158-00	Well Number: 7-24
Well Name: REYNOLDS	
Location: QtrQtr: SWNE Section: 24 Township: 3N Range: 68W 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: 40.214390	Longitude: -104.947710
GPS Data:	
Date of Measurement: 02/27/2007	PDOP Reading: 2.2
GPS Instrument Operator's Name: CHRIS FISCHER	
Reason for Abandonment: <input type="checkbox"/> Dry <input checked="" type="checkbox"/> Production for Sub-economic <input type="checkbox"/> Mechanical Problems	
<input type="checkbox"/> Other	
Casing to be pulled: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Estimated Depth: 1700
Fish in Hole: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes, explain details below
Wellbore has Uncemented Casing leaks: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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	7322	7344	09/19/2014	BRIDGE PLUG	7260

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	769	540	769	0	VISU
1ST	7+7/8	4+1/2	11.6	7,470	572	7,470	3,254	CBL

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 7260 with 40 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 40 sks cmt from 7260 ft. to 6660 ft. Plug Type: CASING Plug Tagged: ☐
Set 40 sks cmt from 4350 ft. to 3890 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 550 sacks half in. half out surface casing from 1800 ft. to 560 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. Circulate any gas out of the wellbore as necessary w/ water containing biocide. ND WH, NU BOP.

6. Unseat and LD landing joint by PU w/ 2-3/8" tbg (4.7#, J-55, 8rd EUE) to break any sand bridges. Do not exceed the safety tensile load of 57,384 lbs (80% of upset yield strength).

7. TIH and tag CIBP at +/- 7,260' (installed on 9/19/2014). Pick up 5' from tag.

8. MIRU slickline. PU tubing plug and RIH to SN at +/- 7,260' and set in SN. Pressure test tbg string to 3,000 psi for 15 min. Release plug, POOH, and LD. RDMO slickline.

9. MIRU Cementing Services. Spot 40 sx (+/- 55 cuft) of cmt (Class G w/ 20% silica flour, 0.4% CD-32, 0.4% ASA-301, and R-3 to achieve 2:30 pump time) mixed at 15.8 ppg and 1.38 cuft/sk from 7,260' to 6,660' on top of CIBP.

10. PUH w/ 2-3/8" tbg to +/- 6,200' (+/- 34 jts) and circulate tbg clean. PUH to +/- 4,350', LD remainder.

11. Spot a balanced plug of 40 sx (+/- 46 cuft) of cmt (Class G, 0.4% CD-32, 0.4% ASA-301) mixed at 15.8 ppg and 1.15 cuft/sk from 4,350' to 3,890' in 4-1/2" (11.6#, I-80, LTC) csg. RDMO Cementing Services.

12. PUH to +/- 3,350' (+/- 32 jts) while SB tbg and circulate to clean tbg. WOC for 4 hours.

13. TIH w/ 2-3/8 and tag TOC (+/- 3,890'). If cement is tagged below 3,895' contact the engineer for possible further cement work.

14. TOOH and SB +/- 1,800' of tbg and LD remainder.

15. MIRU wireline. PU a jet cutter on wireline and RIH to +/- 1,700' to cut 4-1/2" csg. Cut csg and circulate bottoms up. Continue to circulate to remove any gas from the wellbore.

16. ND BOP and tbg head. NU BOP on the surface csg w/ 4-1/2" pipe rams. Install 3,000 psi ball valves on the csg head outlet. Install a choke or choke manifold on one of the csg outlets.

17. TOOH and LD 4-1/2" csg. If unable to pull csg, contact the engineer and notify the COGCC.

18. Remove the 4-1/2" pipe rams and install 2-3/8" pipe rams.

19. TIH w/ 2-3/8" tbg to +/- 1,800', 100' inside the 4-1/2" csg stub.

20. MIRU Cementing Services. Pump 10 bbls of SAPP (Sodium Acid Pyrophosphate) followed by 20 bbls of fresh water containing biocide. Spot 550 sx (+/- 731 cuft) of cmt (Type III w/ cello flake and CaCl₂ as deemed necessary) mixed at 14.8 ppg at 1.33 cuft/sk. Planned cement is from 1,800' to 1,700' stub plug in 4-1/2", 11.6# csg stub; 1,700' to 769' in 9-1/2" OH (from closet caliper plus 1", plus 40% excess), and from

Page 2 of 2

769' to 560' inside 8-5/8", 24# surface csg. PUH to 250' and circulate tbg clean. RDMO Cementing Services. WOC for 4 hrs.

21. TIH w/ 2-3/8" tbg and tag TOC and if TOC is deeper than 569' contact engineer for possible further cement work. TOOH and LD 2-3/8" tbg.

22. MIRU wireline. PU CIBP on wireline for 8-5/8" (24#) csg and TIH to +/- 80'. Set CIBP and test to 1000 psi for 15 min. POOH and LD wireline. RDMO wireline.

23. RDMO WO rig.

24. NOTE: Instruct cementing & wireline contractors to email copies of all job logs/job summaries & invoices to rscDJVendors@anadarko.com within 24 hours of the completion of the job.

25. Wellsite supervisor should turn all paper copies of cementing reports/invoices and logs into Joleen Kramer.

26. Have excavation contractor notify One-Call to clear for digging around wellhead and flowline removal.

27. Excavate hole around surface casing enough to allow welder to cut 8-5/8" casing minimum 5' below ground level.

28. Welder cut 8-5/8" casing minimum 5' below ground level.

29. MIRU ready cement mixer. Fill the last 80' inside the 8-5/8" prod. casing until 10' below surface. Use 4,500 psi compressive strength redi-mix cement (Sand and Cement only, no gravel) to finish filling surface casing to top of cut off.

30. Have welder spot weld on steel marker plate. (Note: marker shall be labeled with well name and number, legal location (¼ ¼ description) and API number.

31. Properly abandon flowlines as per rule 1103.

32. Have excavation contractor back fill hole with native material. Clean up location and have leveled to plant any vegetation required.

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: 10/7/2014 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: 11/4/2014

CONDITIONS OF APPROVAL, IF ANY: _____ Expiration Date: 5/3/2015

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 1800' plug: pump plug and displace, shut-in, WOC 4 hours and tag plug – must be 719' or shallower. 4) Properly abandon flowlines as per Rule 1103. File electronic Form 42 once abandonment complete. 5) Please submit wireline contractor report on existing CIBP@ 7260' with Form 6 (s) Subsequent Report of Abandonment.
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Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
400702567	FORM 6 INTENT SUBMITTED
400702572	WELLBORE DIAGRAM
400702577	PROPOSED PLUGGING PROCEDURE

Total Attach: 3 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Well Completion Report dated 8/30/2007.	10/21/2014 2:05:20 PM

Total: 1 comment(s)