

FORM
6Rev
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:

400699490

Date Received:

10/01/2014

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: Carlile, Craig

Tel: (970) 629-8279

COGCC contact:

Email: craig.carlile@state.co.us

API Number 05-123-23024-00

Well Name: WEISS

Well Number: 11-33

Location: QtrQtr: NESW Section: 33 Township: 3N 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: 40.179880

Longitude: -104.783870

GPS Data:

Date of Measurement: 02/21/2006

PDOP Reading: 3.1

GPS Instrument Operator's Name: Steve Fisher

Reason for Abandonment: ☐ Dry☒ Production for Sub-economic☐ Mechanical Problems☐ OtherCasing to be pulled: ☒ Yes☐ No

Estimated Depth: 1270

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	7392	7412			
NIOBRARA	7150	7304			

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	24	797	560	797	0	VISU
1ST	7+7/8	4+1/2	11.6	7,545	170	7,545	6,442	CBL
S.C. 1.1				7,545	550	6,442	4,066	CBL

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 7060 with 20 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 20 sks cmt from 7060 ft. to 6740 ft. Plug Type: CASING Plug Tagged: ☐
Set 50 sks cmt from 4850 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 520 sacks half in. half out surface casing from 1370 ft. to 590 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:

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: 20 sx (28 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 320' in 4 1/2" casing, no excess.
- 6.2 Sussex plug: 50 sx (58 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 650' in 4 1/2" casing with no excess.
- 6.3 Stub plug: 520 sx (692 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, 473' in a 14" OH with 20% excess, and 207' in 8 5/8" casing. Caliper on file.
7. TOOH 233 joints of 2 3/8" tubing landed at 7361'. Stand back.
8. MIRU WL. RIH gauge ring for 4 1/2" 11.6# casing to 7140'. POOH.
9. PU 4 1/2" 11.6# CIBP and RIH w/WL. Set at +/-7060' to abandon Niobrara and Codell perms. PT to 1000 psi.
10. RIH with 2 3/8" production tubing to +/- 7060'. Hydrotest tubing to 3000 psi while RIH.
11. RU cementers. Pump Niobrara plug: 20 sx (28 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 7060'-6740'.
12. POOH 11 to ~6400'. Circulate with water containing biocide to displace cement and clear tubing.
13. POOH to 4850', LD remainder of tubing.
14. Pump Sussex plug: 50 sx (58 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 4850'-4200'.
15. POOH to ~3900'. Circulate with water containing biocide to displace cement and clear tubing. RD cementers. WOC per cement company recommendations.
16. RIH with 2 3/8" tubing. Tag top of plug at 4200' or shallower. If not, consult Evans Engineering.
17. P&SB ~1370', LD remaining tubing.
18. RU WL. Shoot off 4 1/2" casing at or below 1270'. RD WL. Circulate casing with water containing biocide to remove any gas.
19. 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 into casing stub to 1370' inside 4 1/2" casing.
23. RU cementers. Precede cement with 10 bbl SAPP and a minimum 20 bbl fresh water spacer. Pump stub plug: 520 sx (692 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 1370'-1270' in 4 1/2" casing, 1270'-797' in 14" OH with 20% excess, and 797'-590' in 8 5/8" casing. Caliper on file.
24. POOH to 300' and circulate with water and biocide to displace cement and clear tubing.
25. WOC per cement company recommendation. Tag cement at 590' or shallower. 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.
27. 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.
28. Supervisor is to submit paper copies of all invoices, logs, and reports to Joleen Kramer.
29. Excavation crew to notify One Call to clear excavation area around wellhead and for flowlines.
30. Excavate hole around surface casing enough to allow welder to cut casing minimum 5' below ground level.
31. Welder cut casing minimum 5' below ground level.
32. Fill casing to surface

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: 10/1/2014 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: 10/26/2014

CONDITIONS OF APPROVAL, IF ANY: _____ Expiration Date: 4/25/2015

COA Type

Description

	<ol style="list-style-type: none"> 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 1370' plug: pump plug and displace, shut-in, WOC 4 hours and tag plug – must be 747' 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.
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Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
400699490	FORM 6 INTENT SUBMITTED
400699494	PROPOSED PLUGGING PROCEDURE
400699495	WELLBORE DIAGRAM

Total Attach: 3 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Well Completion Report dated 8/19/2005.	10/20/2014 12:24:36 PM

Total: 1 comment(s)