

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:

400624507

Date Received:

06/11/2014

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: (303) 8942100

COGCC contact:

Email: craig.carlile@state.co.us

API Number 05-123-20285-00

Well Name: HSR-NELSON

Well Number: 10-32

Location: QtrQtr: NWSE Section: 32 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: 40.181170

Longitude: -104.910750

GPS Data:

Date of Measurement: 04/13/2008

PDOP Reading: 3.1

GPS Instrument Operator's Name: Cody Mattson

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

Estimated Depth: 830

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	7283	7295			
J SAND	7730	7786			
NIOBRARA	7060	7063			

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	628	455	628	0	VISU
1ST	7+7/8	4+1/2	11.6	7,881	275	7,881	6,384	CBL
S.C. 1.1				7,881	300	4,740	3,692	CBL
S.C. 1.2				7,881	50	4,990	4,740	CBL

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 7660 with 2 sacks cmt on top. CIPB #2: Depth 6990 with 30 sacks cmt on top.
CIBP #3: Depth 80 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 30 sks cmt from 6990 ft. to 6590 ft. Plug Type: CASING Plug Tagged: ☐
Set 50 sks cmt from 4730 ft. to 3930 ft. Plug Type: CASING Plug Tagged: ☐
Set 220 sks cmt from 930 ft. to 420 ft. Plug Type: STUB PLUG 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 930 ft. to 420 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:

PLUG AND ABANDONMENT PROCEDURE

HSR-Nelson 10-32

1. Note: Production Casing = 4-1/2" OD, 11.6#/ft, I-80; Production Hole Drilled @ 7 7/8"
2. Provide 48 hr notice to COGCC prior to rig up per request on approved Form 6 (e.g. call field coordinator, submit Form 42, etc.). Call foreman or lead operator at least 24 hr prior to rig move. Request they catch and remove the plunger, isolate production equipment and remove any automation prior to rig showing up. Install perimeter fence as needed.
3. MIRU slickline services and VES. Pull bumper spring and tag bottom.
4. Run gyro survey from 7710' to surface with stops every 100'. Forward gyro survey data to Sabrina Frantz and invoices to Sabrina Frantz. RDMO slickline services and VES.
5. Notify IOC when rig mobilizes to location to generate workorder for flowline removal & one call for line locates.
6. Prepare location for base beam equipped rig.
7. MIRU, kill as necessary using clean fresh water with biocide and circulate. ND WH. NU BOP. Unseat landing jt, LD.
8. Notify cementers to be on call. Provide volumes listed below:
 - 8.1) Niobrara Plug: 40 cu ft/30 sx class G w/ 20% silica flour, 0.4% CD-32, 0.4% ASA-301 and R-3 mixed at 15.8 ppg and 1.38 cuft/sk (400' inside 4-1/2" Casing, no excess)
 - 8.2) SX Balanced Plug: 55 cu ft/50 sx class "G" w/0.25 pps cello flake, 0.4% CD-32, 0.4% ASA-301 mixed at 15.8 ppg and 1.15 cf/sx 4-1/2" casing, no excess.
 - 8.3) Stub Plug: 285 cu ft/220 sx Type III CaCl2 cement w/0.25 pps cello flake mixed at 14.8 ppg and 1.33 cf/sx (100' in 4-1/2" prod casing, 202' in 10.5" OH + 20% excess, and 300' in 8 5/8" surface casing).
9. TOOH 2-3/8 " production tubing. Stand Back.
10. MIRU WL. RIH gauge ring for 4-1/2" 11.6#/ft casing to 7720'. POOH.
11. RIH CIBP w/ 2-3/8" tbg. Set at +/- 7660' (collars located at 7643' and 7686'). Dump bail 2 sx class "G" cement on CIBP.
12. RIH CIBP w/ 2-3/8" tbg. Set at +/- 6990' (collars located at 6877' and 7019'). Pressure test CIBP to 1000 psi.
13. RU Cementers. Pump Niobrara Plug: 40 cu ft/30 sx class G w/ 20% silica flour, 0.4% CD-32, 0.4% ASA-301 and R-3 mixed at 15.8 ppg and 1.38 cuft/sk to place cement in 4-1/2" production casing from 6980' to 6580'.
14. PUH 9 stands. Circulate a minimum of 90 bbls (one full circulation) water containing biocide to ensure tubing is clear of any cement. Then, PUH to 4730' with 2-3/8" tbg.
15. RU Cementers. Pump SX Balanced Plug: 50 sx class "G" w/0.25 pps cello flake, 0.4% CD-32, 0.4% ASA-301 mixed at 15.8 ppg and 1.15 cf/sx to place cement in casing from 4730' to 3930'.
16. PUH 5 stands. Circulate a minimum of 50 bbls (one full circulation) water containing biocide to ensure tubing is clear of any cement. Then, TOOH and SB remainder of tbg.
17. RU WL. Shoot off casing at or below 830'. RDMO WL. Circulate a full circulation with water containing biocide to remove any gas.
18. NDBOP, NDTH.
19. Install BOP on casing head with 4-1/2" pipe rams.
20. TOOH with 4-1/2" casing, LD.
21. RIH with 2-3/8 " tubing to 930'.
22. RU Cementers. Spot Stub Plug: 285 cu ft/220 sx Type III CaCl2 cement w/0.25 pps cello flake mixed at 14.8 ppg and 1.33 cf/sx from 930' to 420' (100' in 4-1/2" prod casing, 202' in 10.5" OH + 20% excess, and 300' in 8-5/8" surface casing).
23. Pull tbg to 100' and circulate 5 bbls water containing biocide to ensure tubing is clear of cement.
24. TOOH. WOC 4 hrs. Tag Cement. Cement top needs to be above 428'; Proceed assuming TOC is above 428'. Otherwise, call production engineer.
25. MIRU WL. RIH 8-5/8" CIBP to 80'. Set, PT to 1000 psi for 15 min. If tests, RDMO WL and WO rig.
26. Instruct cementing and wireline contractors to e-mail copies of all job logs/job summaries and invoices to rscDJVendors@anadarko.com within 24 hrs of the completion of the job.
27. Supervisor submit paper copies of all invoices, logs, and reports to Joleen Kramer.
28. Excavation crew to notify One Call to clear excavation area around wellhead and for flowlines.

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: 6/11/2014 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: 6/17/2014

CONDITIONS OF APPROVAL, IF ANY: _____ Expiration Date: 12/16/2014

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 930' plug: pump plug and displace, shut-in, WOC 4 hours and tag plug – must be 575' 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.
--	---

Attachment Check List

Att Doc Num**Name**

400624507	FORM 6 INTENT SUBMITTED
400624515	WELLBORE DIAGRAM
400624516	PROPOSED PLUGGING PROCEDURE

Total Attach: 3 Files

General Comments

User Group**Comment****Comment Date**

Permit	Well Completion Report dated 10/05/2001.	6/16/2014 3:58:02 PM
--------	--	-------------------------

Total: 1 comment(s)