

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:

400767157

Date Received:

01/08/2015

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,

Name: Carlile, Craig

Tel: (970) 629-8279

COGCC contact:

Email: craig.carlile@state.co.us

API Number 05-123-18279-00

Well Name: HSR-MELVIN CAMP

Well Number: 12-31

Location: QtrQtr: NWSW Section: 31 Township: 3N Range: 65W 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: 40.180150

Longitude: -104.713420

GPS Data:

Date of Measurement: 12/12/2006

PDOP Reading: 2.1

GPS Instrument Operator's Name: Chris Fisher

Reason for Abandonment: ☐ Dry☒ Production for Sub-economic☐ Mechanical Problems☐ OtherCasing 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
CODELL	7345	7355			
NIOBRARA	7115	7118			

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	747	520	747	0	VISU
1ST	7+7/8	2+7/8	6.5	7,484	180	7,484	6,495	CBL

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 7050 with 15 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 15 sks cmt from 7050 ft. to 6660 ft. Plug Type: CASING Plug Tagged: ☐
Set 250 sks cmt from 4580 ft. to 4180 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 4580 ft. with 250 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 510 sacks half in. half out surface casing from 1460 ft. to 540 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:

6. MIRU, kill as necessary using clean fresh water with biocide and circulate. ND WH. NU BOP. Unseat landing jt, LD.
 7. Notify cementers to be on call. Provide volumes listed below:
 7.1 Niobrara Plug: 20 cu ft/15 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 2-7/8" Casing, no excess)
 7.2 SX Wiper Plug: 287 cu ft/250 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 (400' in 10.5" OH + 20% excess and 400' inside 2-7/8" casing, no excess).
 7.3 Stub Plug: 678 cu ft/ 510 sx Type III CaCl2 cement w/0.25 pps cello flake mixed at 14.8 ppg and 1.33 cf/sx (713' in 10.5" OH + 40% excess, and 207' in 8 5/8" surface casing).
 8. TOOH 1.66" production tubing. Stand back.
 9. RU WL. RIH gauge ring to 7100'. TOOH.
 10. PU CIBP and RIH to 7050'. Set at +/- 7050'. RD WL. POOH. PT CIBP to 2500 psi (1994 Vintage).
 11. RU Cementers. Pump Niobrara Plug: 20 cu ft/ 15 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 2-7/8" production casing from 7050' to 6660'.
 12. PUH to 6300'. Circulate tubing clean. Then, TOOH.
 13. MIRU WL. PU 1-11/16" perf gun with 3 spf, 0.37" EHD 120deg phasing. Shoot 1' of squeeze holes at 4580'. RDMO WL.
 14. Establish circulation down 2-7/8" and up the annulus. If unable to circulate, plan on cutting off casing at 4580'.
 15. RU Cementers. Pump: 5 bbl water w/biocide, 20 bbl Sodium Metasilicate, and another 5 bbl spacer immediately preceding cement. Pump 287 cu ft/ 250 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 squeeze cement into annulus and place in casing from 4580' to 4180'. Follow w/wiper plug and displace to 4180'.
 16. WOC 4 hrs or cement company's recommendation and tag TOC. Notify engineering if tag depth is deeper than 4180'.
 17. If PT passed in Step 10, LD 1.66" tbq.
 12/22/2014
 Engineer: Tyler Davis
 Cell: 303-717-0764
 18. RU WL. Shoot off casing at or below 1460'. RDMO WL. Circulate casing with water containing biocide to remove any gas. RD WL.
 19. NDBOP, NDTH.
 20. Install BOP on casing head with 2-7/8" pipe rams.
 21. If PT passed from Step 10, plan on using 2-7/8" as a WS. If PT failed, pull 2-7/8" casing and hydrotest 2-7/8" back in hole.
 22. RIH with workstring to 1460'.
 23. RU Cementers. Pump 10 bbl SAPP with a minimum of 20 bbl fresh water spacer. Pump Stub Plug: 678 cu ft/ 510 sx Type III CaCl2 cement w/0.25 pps cello flake mixed at 14.8 ppg and 1.33 cf/sx from 1460' to 540'.
 24. PUH to ~300'. Circulate 20 bbls water containing biocide to clear tubing.
 25. TOOH. WOC 4 hrs. Tag Cement. Cement top needs to be above 647'; Proceed assuming TOC is above 647'. Otherwise, call production engineer.
 26. MIRU WL. RIH 8 5/8" CIBP to 80'. Set, PT to 1000 psi for 15 min. If tests, RDMO WL and WO rig.
 27. 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.
 28. Supervisor 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 8 5/8" casing minimum 5' below ground level.
 31. Welder cut 8 5/8" casing minimum 5' below ground level.
 32. MIRU ready cement mixer. Use 4500 psi compressive strength cement, (NO gravel) fill stubout.
 33. Spot weld on steel marker plate. Marker should contain Well name, Well number, legal location (1/4 1/4 descriptor) and API number.
 34. Obtain GPS location data as per COGCC Rule 215 and send to rscDJVendors@anadarko.com.
 35. Properly abandon flowlines per Rule 1103.
 36. Back fill hole with fill. Clean location, level.
 37. Submit Form 6 to COGCC ensuring to provide 'As performed' WBD identifying operations completed.

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: 1/8/2015 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: 1/16/2015

CONDITIONS OF APPROVAL, IF ANY: _____ Expiration Date: 7/15/2015

<u>COA Type</u>	<u>Description</u>
	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 1460' plug: pump plug and displace, shut-in, WOC 4 hours and tag plug – must be 697' 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

<u>Att Doc Num</u>	<u>Name</u>
400767157	FORM 6 INTENT SUBMITTED
400767163	PROPOSED PLUGGING PROCEDURE
400767164	WELLBORE DIAGRAM

Total Attach: 3 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
#Error	Well Completion Report dated 10/31/1994.	1/13/2015 8:39:31 AM

Total: 1 comment(s)