

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:

400670523

Date Received:

08/21/2014

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 05-123-17026-00

Well Name: HSR-WISE

Well Number: 16-15

Location: QtrQtr: SESE Section: 15 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: 40.220080

Longitude: -104.756720

GPS Data:

Date of Measurement: 09/08/2006

PDOP Reading: 6.0

GPS Instrument Operator's Name: PETROLEUM FIELD

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

Estimated Depth: 1180

Fish in Hole: ☐ Yes☒ No

If yes, explain details below

Wellbore has Uncemented Casing leaks: ☐ Yes☒ No

If yes, explain details below

Details: Well was prep to P&A, two CIBP's are already down hole, we will be putting cement on top of the CIBP at 6870'.

Current and Previously Abandoned Zones

Formation	Perf. Top	Perf. Btm	Abandoned Date	Method of Isolation	Plug Depth
NIOBRARA	7060	7201	08/12/2014	B PLUG CEMENT TOP	6870
CODELL	7346	7360	08/12/2014	B PLUG CEMENT TOP	6951

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	607	400	625	0	VISU
1ST	7+7/8	4+1/2	11.6	7,484	200	7,505	6,237	CBL

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 6870 with 20 sacks cmt on top. CIPB #2: Depth _____ with _____ 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 _____ 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: ☐
Set _____ sks cmt from _____ ft. to _____ ft. Plug Type: _____ Plug Tagged: ☐

Perforate and squeeze at 4520 ft. with 200 sacks. Leave at least 100 ft. in casing 4150 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 330 sacks half in. half out surface casing from 1280 ft. to 400 ft. Plug Tagged: ☒

Set 20 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:

Perforate and squeeze at 4,520 & 4,120 ft. with 200 sacks Leave at least 100 ft. in casing 4150 CICR Depth

1. 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 IOC (970-506-5980) at least 24 hr 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 WO rig. Kill well 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. Spot a minimum of 4 jts of 2-3/8" 4.7# J-55 tbg.
8. RIH and retrieve RBP (at +/- 6,780'). TOO and SB 2-3/8" tbg, LD RBP and retrieving head. NOTE: EOT has a 2-3/8" RBP retrieving head.
9. TIH 2-3/8" tbg and tag the CIBP (at +/- 6,870', +/- 222 jts) while hydrotesting each stand to +/- 3000 psi.
10. MIRU Cementing Services. Spot 20 sx 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 6,870' to 6,560' on top of CIBP.
11. PUH w/ 2-3/8" tbg to +/- 5,900' (+/- 22 jts) and circulate tbg clean. POOH, SB 136 jts of tbg, LD remainder.
12. MIRU Wireline. PU and RIH two 1' perf guns (3-1/8", 3 spf, "Big Hole" 0.6" EHD, 7" penetration, 120o phasing, 2' net, 6 total holes) to 4,520'. Perf bottom squeeze holes at 4,520' then PUH to 4,120' and perf top squeeze holes in 4-1/2" prod csg. POOH perf guns. RDMO wireline.
13. PU CICR for 4-1/2" csg (11.6#, I-70) on 2-3/8" tbg and set at +/- 4,150' (+/- 134 jts).
14. MIRU Cementing Services. Pump 5 bbls of fresh water, 20 bbls of metalillicate, and 5 bbls of fresh water followed with 200 sx of cmt (Class G w/ 0.25 pps cello flake, 0.4% CD-32, 0.4% ASA-301) mixed at 15.8 ppg and 1.15 cuft/sk. Under displace by 3bbls of cement, sting out of CICR and dump cmt on CICR. Planned cement is from 4,520' to 4,120' in 9-1/2" OH (plus 20% excess) & from 4,520' to 4,020' in 4-1/2", 11.6# csg. PUH to +/- 3,340 (+/- 22 jts) and circulate to clean tbg. TOO and SB 44 jts of tbg and LD remainder. RDMO Cementing Services.
15. MIRU wireline. PU a jet cutter and RIH to +/- 1,180' to cut 4-1/2" csg. Cut, TOO, and LD csg. RDMO wireline.
16. TIH w/ 2-3/8" tbg to +/- 1,280' (+/- 41 jts).
17. MIRU Cementing Services. Pump 10 bbls of SAPP (Sodium Acid Pyrophosphate) followed by 20 bbls of fresh water containing biocide. Spot 330 sx 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 1,280' to 1,180' stub plug in 4-1/2", 11.6# csg stub, 1,180' to 607' in 9" OH (plus 20% excess), and from 607' to 400' inside 8-5/8", 24# surface csg. PUH to 250' and circulate tbg clean. RDMO Cementing Services. WOC for 4 hrs.
18. TIH w/ 2-3/8" tbg and tag TOC and if TOC is deeper than 400' contact engineer for possible further cement work. TOO and LD 2-3/8" tbg.
19. 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.
20. RDMO WO rig.
21. 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.
22. Wellsite supervisor should turn all paper copies of cementing reports/invoices and logs into Joleen Kramer.
23. Have excavation contractor notify One-Call to clear for digging around wellhead and flowline removal.
24. Excavate hole around surface casing enough to allow welder to cut 8-5/8" casing.

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: 8/21/2014 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: 8/26/2014

CONDITIONS OF APPROVAL, IF ANY: _____ Expiration Date: 2/25/2015

COA Type	Description
	1) Submit Form 42 electronically to COGCC 48 hours prior to MIRU. 2) Please tag existing CIBP w/20 sxs @ 6560'. If satisfactory contractor reports confirming setting of 2 existing plugs and 20 sxs cement emailed to COGCC prior to plugging operations beginning no need to tag. 3) If unable to pull casing contact COGCC for plugging modifications. 4) For 1280' plug: pump plug and displace, shut-in, WOC 4 hours and tag plug – must be 557' or shallower. 5) Properly abandon flowlines as per Rule 1103. File electronic Form 42 once abandonment complete. 6) Please submit gyro survey data with Form 6 (s) Subsequent Report of Abandonment.

Attachment Check List

Att Doc Num**Name**

400670523	FORM 6 INTENT SUBMITTED
400670532	PROPOSED PLUGGING PROCEDURE
400670533	WELLBORE DIAGRAM

Total Attach: 3 Files

General Comments

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

Permit	Well Completion Report dated 9/13/1993.	8/22/2014 8:36:55 AM
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Total: 1 comment(s)