

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:

400722036

Date Received:

10/31/2014

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 05-123-21248-00

Well Name: MAYER

Well Number: 14-22A

Location: QtrQtr: SESW Section: 22 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: 40.205360

Longitude: -104.878520

GPS Data:

Date of Measurement: 05/10/2006

PDOP Reading: 3.0

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: 1040

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
J SAND	7600	7654			

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	623	440	623	0	CALC
1ST	7+7/8	4+1/2	11.6	7,778	300	7,778	6,470	CBL
S.C. 1.1				5,224	315	5,224	3,743	CBL

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 7540 with 70 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 70 sks cmt from 7540 ft. to 6510 ft. Plug Type: CASING Plug Tagged: ☐
Set 75 sks cmt from 4900 ft. to 3920 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 260 sacks half in. half out surface casing from 1140 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:

5 MIRU WO rig. Kill well as necessary with water and biocide. ND wellhead. NU BOP.
 6 Unland 2-3/8" tbg (241 total joints landed at 7575') and TOO H standing back 7540' 2-3/8" tubing. LD extra tubing.
 7 MIRU wireline. RIH with junk basket/gauge ring (4-1/2" 11.6#) to 7590'. POOH. PU and RIH with CIBP (4-1/2", 11.6#) to set at 7540' (collars at 7518' and 7560'). POOH. RDMO wireline.
 8 MIRU hydrotester. Hydrotest 2-3/8" tubing to 3000psi while TIH open ended. Tag CIBP set at 7540'. PUH just above CIBP and circulate all gas out of the hole. Pumping water with biocide, pressure test the CIBP and production casing to 1000psi for 15 minutes. If pressure test passes, proceed to next step; otherwise contact engineering.
 9 MIRU cementing services. Establish circulation with water and pump 70 sx Class "G" cement with 20% silica flour, 0.4% CD-32 and 0.4% ASA-301 mixed at 15.8ppg and 1.38 cuft/sx (cement volumes based on 4-1/2" 11.6# casing capacity from 7540' to 6510' with no excess). Displace cement to estimated TOC at 6430' using approx. 24.5 bbls water. TOO H and stand back 2-3/8" tubing so EOT at +/- 6230'. Reverse circulate using approx. 50 bbls water (2 times tubing volume) or until returns are clean. RDMO cementing services.
 10 TOO H so EOT is at 4900'. LD extra tubing.
 11 MIRU cementing services. Establish circulation with water and pump 20 bbls sodium metasilicate, 5 bbl water spacer, 75 sx Class "G" cement with 0.25 pps cello flake, 0.4% CD-32 and 0.4% ASA-301 mixed at 15.8ppg and 1.15 cuft/sx (cement volumes based on 4-1/2" 11.6# casing capacity with no excess from 4900' to 3920'). Displace cement to estimated TOC at 3900' using approx. 15 bbls water. TOO H and stand back 2-3/8" tubing so EOT at +/- 3900'. Reverse circulate using approx. 30 bbls water (2 times tubing volume) or until returns are clean. ****BE SURE ALL GAS IS OUT OF HOLE SO CBL CAN BE RAN**** RDMO cementing services. WOC to set up per cementing company recommendation.
 12 TOO H and stand back 1140' of 2-3/8" tubing and LD extra tubing.
 13 MIRU wireline services. RIH with sinker bar to tag cement plug at +/- 3900'. POOH LD sinker bar. If cement is not above 3920' contact engineer, otherwise proceed to next step.
 14 PU and RIH with CCL-GR-CBL-VDL. Log from +/- 3875' to surface while holding +/- 1,000 psi on casing to verify cement coverage. ***DO NOT TAG CEMENT TOP at +/- 3900' WITH CBL*** Contact engineering after CBL is ran to identify any changes to the below steps and confirm no cement coverage above 3600'. RDMO wireline.
 15 ****ALL BELOW STEPS ASSUME NO CEMENT BEHIND PRODUCTION CASING FROM 3600' TO SURFACE****
 16 MIRU wireline. RIH and jet cut 4-1/2" production casing at 1040'. RDMO wireline. Circulate bottoms up and continue circulating to remove any gas from wellbore.
 17 ND BOP. Install BOP on surface casing head with 4-1/2" pipe rams. Install 3000 psi ball valves on both casing head outlets. Install a choke or choke manifold on one outlet.
 18 TOO H and LD 1040' of 4-1/2" casing.
 Mayer 14-22A: Plug & Abandonment
 19 TIH with 2-3/8" tubing open ended to 1140' (100' inside the 4-1/2" stub).
 20 MIRU cementing services. Establish circulation with water and pump 10 bbls SAPP mud flush, 20 bbls fresh water spacer, then balanced stub plug using 260 sx Type III cement with cello flake and CaCl₂ as necessary, mixed at 14.8 ppg and 1.33 cuft/sx (cement volumes based on 100' inside 4-1/2" casing, 417' in 9" hole with 40% excess, and 200' in 8-5/8" surface casing). RDMO cementing services.
 21 TOO H and LD 2-3/8" tubing until EOT at +/- 200'. Circulate down tubing and up surface casing/tubing annulus until returns are clean to ensure CIBP can be set in clean surface casing. Finish TOO H and LD 2-3/8" tubing. WOC to set up per cementing company recommendation.
 22 PU and TIH with 2-3/8" tubing to tag cement plug at +/- 420'. If cement is not above 420' contact engineer, otherwise proceed to next step.
 23 TOO H and LD all 2-3/8" tubing.
 24 MIRU wireline. PU and RIH with CIB

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: 10/31/2014 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: 12/10/2014

CONDITIONS OF APPROVAL, IF ANY: _____ Expiration Date: 6/9/2015

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 1140' plug: pump plug and displace, shut-in, WOC 4 hours and tag plug – must be 573' 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**

400722036	FORM 6 INTENT SUBMITTED
400722040	PROPOSED PLUGGING PROCEDURE
400722041	WELLBORE DIAGRAM

Total Attach: 3 Files

General Comments

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

Permit	Well Completion Report dated 6/9/2003.	11/14/2014 1:50:13 PM
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Total: 1 comment(s)