

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:

400766485

Date Received:

01/07/2015

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: Precup, Jim

Tel: (303) 726-3822

COGCC contact:

Email: james.precup@state.co.us

API Number 05-123-20537-00

Well Name: HSR-KUIPERS

Well Number: 6-12A

Location: QtrQtr: SENW Section: 12 Township: 2N 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: 40.153797

Longitude: -104.841553

GPS Data:

Date of Measurement: 10/21/2008

PDOP Reading: 2.2

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: 1140

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 | 7800 | 7857 | | | |

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 | 733 | 515 | 733 | 0 | VISU |
| 1ST | 7+7/8 | 4+1/2 | 11.6 | 7,959 | 300 | 7,959 | 6,336 | CBL |

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 7750 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 7750 ft. to 6690 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: ☐
Set _____ sks cmt from _____ ft. to _____ ft. Plug Type: _____ Plug Tagged: ☐

Perforate and squeeze at 4440 ft. with 180 sacks. Leave at least 100 ft. in casing 4070 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 250 sacks half in. half out surface casing from 1240 ft. to 530 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 (251 total joints landed at 7758') and TOO H standing back 7750' 2-3/8" tubing. LD extra tubing.
 7 MIRU wireline. RIH with junk basket/gauge ring (4-1/2" 11.6#) to 7790'. POOH. PU and RIH with CIBP (4-1/2", 11.6#) to set at 7750' (collars at 7742' and 7787'). POOH. RDMO wireline.
 8 MIRU hydrotester. Hydrotest 2-3/8" tubing to 3000psi while TIH open ended. Tag CIBP set at 7750'. 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 7750' to 6690' with no excess). Displace cement to estimated TOC at 6640' using approx. 25 bbls water. TOO H and stand back 2-3/8" tubing so EOT at +/- 6440'. Reverse circulate using approx. 50 bbls water (2 times tubing volume) or until returns are clean. RDMO cementing services.
 10 TOO H and stand back 4070' of 2-3/8" tubing and LD extra tubing.
 11 MIRU wireline. PU and RIH with 3-1/8" perf guns and shoot squeeze holes at 4440' using 3 SPF, 0.5" EHD, 1' net, 3 total shots.
 12 PUH with perf guns and shoot squeeze holes at 4040' using 3 SPF, 0.5" EHD, 1' net, 3 total shots. RDMO wireline.
 13 PU & TIH with CIBP on 2-3/8" tubing. Set CIBP at 4070' (no collar locator ran at this depth to correlate to).
 14 Establish circulation through squeeze holes to surface with water. If circulation is established, proceed to next step; otherwise contact engineering for revised procedure steps.
 15 MIRU cementing services. Establish circulation with water and pump 20 bbls sodium metasilicate, 5 bbl water spacer, 180 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 9" caliper plus 20% excess from 4440' to 4040' and 4-1/2" 11.6# casing capacity with no excess from 4440' to 3940'). Underdisplace cement in tubing using 13.7 bbls water (2 bbls short of CIBP set at 4070') and spot remaining cement on top of CIBP. TOO H and stand back 2-3/8" tubing so EOT at +/- 3740'. Reverse circulate using approx. 29 bbls water (2 times tubing volume) or until returns are clean. RDMO cementing services.
 16 TOO H and stand back 1240' of 2-3/8" tubing and LD extra tubing.
 17 MIRU wireline. RIH and jet cut 4-1/2" production casing at 1140'. RDMO wireline. Circulate bottoms up and continue circulating to remove any gas from wellbore.
 18 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.
 19 TOO H and LD 1140' of 4-1/2" casing. Install 2-3/8" pipe rams.
 20 TIH w/ 2-3/8" tubing open ended to 1240' (100' inside the 4-1/2" stub).
 21 MIRU cementing services. Establish circulation with water and pump 10 bbls SAPP mud flush, 20 bbls fresh water spacer, then balanced stub plug using 250 sx Type III cement with cello flake and CaCl2 as necessary, mixed at 14.8 ppg
 Kuipers 6-12A: Plug & Abandonment
 and 1.33 cuft/sx (cement volumes based on 100' inside 4-1/2" casing, 407' in 9" hole with 40% excess, and 200' in 8-5/8" surface casing). RDMO cementing services.
 22 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.
 23 PU and TIH with 2-3/8" tubing to tag cement plug at +/- 530'. If cement is not above 530' contact engineer, otherwise proceed to next step.
 24 TOO H and LD all 2-3/8" tubing.
 25 MIRU wireline. PU and

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: 1/7/2015 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: 2/2/2015

CONDITIONS OF APPROVAL, IF ANY: _____ Expiration Date: 8/1/2015

| <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 1240' plug: pump plug and displace, shut-in, WOC 4 hours and tag plug – must be 683' 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. 6) Submit corrected Operator's Monthly Production Reports (Form 7) required for compliance with Rule 309 within 30 days. Reports from December 2013 onward list the well as shut in but are reporting production. |

Attachment Check List

| <u>Att Doc Num</u> | <u>Name</u> |
|--------------------|-----------------------------|
| 400766485 | FORM 6 INTENT SUBMITTED |
| 400766486 | PROPOSED PLUGGING PROCEDURE |
| 400766487 | WELLBORE DIAGRAM |

Total Attach: 3 Files

General Comments

| <u>User Group</u> | <u>Comment</u> | <u>Comment Date</u> |
|-------------------|--|-------------------------|
| Permit | Well Completion Report dated 3/11/2002. Doc # 1079061. | 1/13/2015 2:02:30 PM |

Total: 1 comment(s)