

FORM

6

Rev  
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



|    |    |    |    |
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| DE | ET | OE | ES |
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Replug By Other Operator

Document Number:

400590563

Date Received:

04/16/2014

## 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 &amp; 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 05-123-07803-00

Well Name: BRETHAWER, JAKE B

Well Number: 1

Location: QtrQtr: SWNE Section: 14 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: 40.228376

Longitude: -104.740859

GPS Data:

Date of Measurement: PDOP Reading: GPS Instrument Operator's Name:

Reason for Abandonment: ☐ Dry ☐ Production for Sub-economic ☐ Mechanical Problems☒ Other RE-PLUGCasing to be pulled: ☒ Yes ☐ No Estimated Depth:Fish in Hole: ☒ Yes ☐ No If yes, explain details belowWellbore has Uncemented Casing leaks: ☐ Yes ☒ No If yes, explain details below

Details: This well was originally abandoned in 1982 with production casing cut off at 4350' (parted). Well is to be re-entered to add cement plugs at 4040' to 3840' and Fox Hills coverage from 780' to 337'. A tubing fish was reported at approximately 4350' (depth of the parted casing) in 1982.

## Current and Previously Abandoned Zones

| Formation | Perf. Top | Perf. Btm | Abandoned Date | Method of Isolation | Plug Depth |
|-----------|-----------|-----------|----------------|---------------------|------------|
| J SAND    | 7849      | 7901      | 12/12/1982     | CEMENT              | 4348       |

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              | 537           | 400          | 537        | 0          | VISU   |
| 1ST         | 7+7/8        | 4+1/2          | 10.5            | 8,000         | 200          | 8,000      | 7,475      | CALC   |

## Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 100 with 23 sacks cmt on top. CIBP #2: Depth \_\_\_\_\_ with \_\_\_\_\_ 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 200 sks cmt from 4040 ft. to 3840 ft. Plug Type: OPEN HOLE Plug Tagged: ☒  
Set 270 sks cmt from 780 ft. to 337 ft. Plug Type: OPEN HOLE 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 \_\_\_\_\_ sacks half in. half out surface casing from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Plug Tagged: ☐

Set 23 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:

Purpose is to reenter and adequately replug prior to hydraulic stimulation of proposed horizontal well per DJ Basin Offset Policy dated December 16, 2013.  
 Closed loop system will not be used.  
 As-build well location GPS data will be submitted on the Form 6 Subsequent Report of Abandonment.  
 Re-plug and re-entry procedure attached.

- 1 Locate and expose 8 5/8" casing stub. Extend stub to surface and install 8 5/8"x 11" SOW, 3M casing head with 3000 psi ball valves in both outlets. Prepare location for workover rig. Install perimeter fence as needed.
- 2 Provide notice to COGCC prior to rig up per request on approved Form 6 (e.g. call field coordinator, submit Form 42, etc.).
- 3 MIRU workover rig. NU 9" 3000 psi BOP stack on casing head. PT BOP and csg head per approved Form 2. Function test BOPE . NU rotating head on BOP. Hook up return line to shale shaker on flat tank
- 4 PU 7 7/8" mill tooth bit, necessary drill collars and drill pipe/work string (WS). Drill through existing cement plugs at surface (10 sk) and at the base of surface casing (100 sk plug ~485' to ~590') using fresh water with biocide.
- 5 Once surface cement plugs are drilled, Displace hole with drilling mud and continue washing down to cement plug at ~4040'
- 6 TOH with WS and bit. RIH with WS open-ended to top of cement plug at ~ 4040'. Circulate and condition hole for additional cement plug.
- 7 Run gyro survey from ~4040' to surface. Forward results to Evans Engineering.
- 8 RU Cementers. Spot cement plug consisting of 200 sx "G" w/0.25pps cello flake, 0.4 % CD-32, 0.4% ASA-301 and CaCl2 as deemed necessary. POOH to ~3000' and circulate clean. WOC per cement company recommendation. Plug size is based on 13" hole plus 20% excess. Coverage from 4040' to 3840'
- 9 Tag top of plug at ~3840'. LD WS to place end of WS at ~780'. Spot cement plug consisting of 270 sx Type III w/0.25pps cello flake and CaCl2 as deemed necessary, mixed at 1.53 cf per sack, 14.0 ppg. POH and WOC per cementing company recommendation. Plug size is based on 13" hole with 20% excess covering 780' to base of surface casing at 537' plus capacity of surface casing to 337'.
- 10 Tag top of plug at ~337'. POOH and LD WS.
- 11 RU wireline. Run and set CIBP in the 8 5/8", 24# surface casing at 100'. PT CIBP and surface casing to 1000 psi for 15 minutes. Assuming successful test, RD wireline.
- 12 RDMO workover rig.
- 13 Instruct cementing and wireline contractors to e-mail copies of all job logs/job summaries to rscDJVendors@anadarko.com within 24 hrs of completion of the job.
- 14 Supervisor submit paper copies of all invoices, logs, and reports to Joleen Kramer.
- 15 Excavate hole around surface casing of sufficient size to allow welder to cut off 8 5/8" casing at least 5' Below ground level (depending on land owner requirements).
- 16 Fill sfc casing with 4500 psi compressive strength redi-mix cement (sand and cement only - no gravel)
- 17 Spot weld steel marker plate on top of sfc casing stub. Marker shall be labeled with well name, well number, legal location (1/4 1/4 descriptor) and API number.
- 18 Back fill hole with native material. Reclaim location to landowner specifications
- 19 Submit Form 6 to COGCC. Provide "As plugged" wellbore diagram identifying the specific plugging completed.

As-build well location GPS data will be submitted on the Form 6 Dubsequent Report of Abandonment.

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: 4/16/2014 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: JENKINS, STEVE Date: 4/18/2014

**CONDITIONS OF APPROVAL, IF ANY:** \_\_\_\_\_ Expiration Date: 10/17/2014

| <u>COA Type</u> | <u>Description</u>   |
|-----------------|--|
|                 | <p>Note changes to plugging procedure:</p> <ol style="list-style-type: none"> <li>1) Provide 48 hour notice of plugging MIRU via electronic Form 42.</li> <li>2) For 4040' plug: pump plug and displace, shut-in, WOC 4 hours and tag plug – must be 3840' or shallower.</li> <li>3) For 780' plug: pump plug and displace. If surface casing plug not circulated to surface then tag plug and provide 10 sx plug at the surface. Leave at least 100' cement in the casing for each plug.</li> </ol> |

### Attachment Check List

Att Doc Num

Name

|           |                             |
|-----------|-----------------------------|
| 400590563 | FORM 6 INTENT SUBMITTED     |
| 400590574 | OTHER                       |
| 400590576 | WELLBORE DIAGRAM            |
| 400590759 | OTHER                       |
| 400590764 | PROPOSED PLUGGING PROCEDURE |

Total Attach: 5 Files

### General Comments

User Group

Comment

Comment Date

|  |  |  |
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|  |  |  |
|--|--|--|

Total: 0 comment(s)