

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:

400714880

Date Received:

10/22/2014

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 05-123-21119-00

Well Name: BARCLAY L

Well Number: 2-10 JI

Location: QtrQtr: NWSE Section: 2 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: 40.252590

Longitude: -104.742350

GPS Data:

Date of Measurement: 06/28/2006

PDOP Reading: 2.9

GPS Instrument Operator's Name: Paul Tappy

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

Estimated Depth: 1170

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 | 7808 | 7876 | | | |

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 | 626 | 270 | 626 | 0 | VISU |
| 1ST | 7+7/8 | 4+1/2 | 11.6 | 8,013 | 230 | 8,013 | 7,020 | CBL |

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 7750 with 2 sacks cmt on top. CIPB #2: Depth 80 with 25 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 6920 ft. with 120 sacks. Leave at least 100 ft. in casing 6530 CICR Depth

Perforate and squeeze at 4500 ft. with 170 sacks. Leave at least 100 ft. in casing 4080 CICR Depth

Perforate and squeeze at _____ ft. with _____ sacks. Leave at least 100 ft. in casing _____ CICR Depth

(Cast Iron Cement Retainer Depth)

Set 350 sacks half in. half out surface casing from 1270 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:

Perforate and squeeze at 6920'/6500' ft. with 120 sacks Leave at least 100 ft. in casing 6530 CICR Depth
 Perforate and squeeze at 4500'/4050' ft. with 170 sacks Leave at least 100 ft. in casing 4080 CICR Depth
 6 MIRU, kill as necessary using clean fresh water with biocide. ND WH. NU BOP. Unseat landing jt, LD.
 7 TOO and SB 6600' of 2 3/8" production tubing. LD remainder (239 jts landed @7792').
 8 MIRU WL. RIH w/ gauge ring for 4 1/2" 11.6# casing to 7800'. PU and RIH 4 1/2" CIBP. Set at 7750' to abandon J sand perfs.
 Pressure test csg and CIBP to 1000 psi for 15 minutes.
 9 PU dump bailer and spot 2 sx cement on CIBP @ 7750'.
 10 PU 2 - 1' 3-1/8" perf guns with 3 spf, 0.5" dia 120° phasing. Shoot 1' of squeeze holes at 6920' and 6500'. RDWL
 11 PU CICR on 2 3/8" tbg. RIH to 6530' while hydro-testing tbg to 3000 psi. Set CICR @ 6530'.
 12 RU Cementers. Pump Niobrara Suicide job : 120 sx 50/50 Poz "G" w/ 20% silica flour, 3% gel, 0.1% sodium metasilicate and 0.4% FL-52 mixed at 13.5 ppg and 1.71 cf/sk (205 cuft of slurry). Underdisplace and sting out of CICR to leave 3 bbls cmt on top of retainer. Volume based on 8.5" hole size w/ 20% excess. Caliper log on file.
 13 POH 10 stands and circulate tbg clean using fresh water treated with biocide. POH standing back 4100' of tbg.
 14 RUWL. PU 2 - 1' 3-1/8" perf guns with 3 spf, 0.5" dia 120° phasing. Shoot 1' of squeeze holes at 4500' and 4050'. RDWL.
 15 PU CICR on 2 3/8" tbg. RIH and set CICR at 4080'.
 16 RU Cementers. Pump 5 bbl water w/ biocide, 20 bbl Sodium Metasilicate, and another 5 bbl spacer immediately preceding cement.
 17 Pump Sussex Suicide job: 170 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 cuft/sk (196 cuft of slurry) to place cement between perfs.
 Underdisplace and sting out of CICR to leave 3 bbls cement on top of retainer. Cement volume based on 9 1/2" hole with 20% excess. Caliper log on file.
 18 POH 10 stands. Circulate water containing biocide to clear tubing. POH standing back ~1270' of tbg.
 19 RU WL. Crack coupling or cut casing at 1170'. RDMO WL. Circulate bottoms up and continue circulating to remove any gas from wellbore.
 20 ND BOP and wellhead. 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.
 21 TOO and LD 1160' of 4 1/2" casing.
 22 RIH with 2 3/8" tubing open-ended to 1270' (100' inside 4 1/2" stub).
 23 RU cementers. Pump 10 bbl SAPP (Sodium Acid Pyrophosphate) followed by 20 bbl (min.) fresh water spacer immediately preceding cement.
 24 Pump balanced Stub Plug from 1270' to 420' : 350 sx Type III w/0 .25#/sk cello flake and CaCl2 as deemed necessary mixed at 14.8 ppg and 1.33 cf/sk (466 cuft of slurry). Cement volume based on 100' in 4 1/2" csg, 226' in 8 5/8" csg, and 544' in 9 1/2" OH + 40% excess.
 25 TOO. WOC per cementing company recommendation. Tag Cement. TOC should be at or above 526'. If not, consult Evans Engineering.
 26 MIRU WL. RIH 8 5/8" CIBP to 80'. Set and 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 to rscDJVendors@anadarko.com within 24 hrs of 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 Fill casing to surface using 4500 psi compressive strength cement, (NO gravel).
 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.

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: 10/22/2014 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: 11/24/2014

CONDITIONS OF APPROVAL, IF ANY: _____ Expiration Date: 5/23/2015

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 1270' plug: pump plug and displace, shut-in, WOC 4 hours and tag plug – must be 576' 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. |
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Attachment Check List

Att Doc Num**Name**

| | |
|-----------|-----------------------------|
| 400714880 | FORM 6 INTENT SUBMITTED |
| 400714884 | PROPOSED PLUGGING PROCEDURE |
| 400714885 | WELLBORE DIAGRAM |

Total Attach: 3 Files

General Comments

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

| | | |
|--------|---|--------------------------|
| Permit | Well Completion Report dated 1/29/2003. | 11/3/2014 11:38:39 AM |
|--------|---|--------------------------|

Total: 1 comment(s)