

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:

400618892

Date Received:

06/03/2014

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 05-123-15715-00

Well Name: BELL

Well Number: L12-13

Location: QtrQtr: SWSW Section: 12 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: 40.233700

Longitude: -104.733040

GPS Data:

Date of Measurement: 06/21/2006

PDOP Reading: 2.0

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: 5245

Fish in Hole: ☐ Yes ☒ No

If yes, explain details below

Wellbore has Uncemented Casing leaks: ☐ Yes ☒ No

If yes, explain details below

Details: Casing will be cut off and recovered from 5245'. Cement plugs will be placed across the Sussex and Fox Hills formations.

A cement plug will be placed at 7150' on top of a sand plug in 2 7/8" csg.

Current and Previously Abandoned Zones

| Formation | Perf. Top | Perf. Btm | Abandoned Date | Method of Isolation | Plug Depth |
|-----------|-----------|-----------|----------------|---------------------|------------|
| CODELL | 7389 | 7416 | | | |

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 | 516 | 290 | 516 | 0 | VISU |
| 1ST | 7+7/8 | 2+7/8 | 6.5/8.7 | 7,551 | 290 | 7,551 | 6,470 | CBL |

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 80 with 25 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 <u>680</u> sks cmt from <u>5240</u> ft. to <u>4340</u> ft. | Plug Type: <u>OPEN HOLE</u> | Plug Tagged: <input checked="" type="checkbox"/> |
| Set <u>650</u> sks cmt from <u>1360</u> ft. to <u>300</u> ft. | Plug Type: <u>CASING</u> | Plug Tagged: <input checked="" type="checkbox"/> |
| Set <u>1</u> sks cmt from <u>7190</u> ft. to <u>7150</u> ft. | Plug Type: <u>CASING</u> | Plug Tagged: <input type="checkbox"/> |
| Set _____ sks cmt from _____ ft. to _____ ft. | Plug Type: _____ | Plug Tagged: <input type="checkbox"/> |
| Set _____ sks cmt from _____ ft. to _____ ft. | Plug Type: _____ | Plug Tagged: <input type="checkbox"/> |

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 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:

Bell L 12-13

Step Description of Work

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 foreman or lead operator at least 24 hr prior to rig move. Request they catch and remove the plunger, isolate production equipment and remove any automation prior to rig showing up. Install perimeter fence as needed.

2 Notify IOC when rig mobilizes to location to generate workorder for flowline removal & one call for line locates.

3 Prepare location for base beam equipped rig.

4 MIRU, kill as necessary using fresh water with biocide. ND WH. NU BOP. Unseat landing jt.

5 Pick up 1 1/4" tbg to tag fill - 230jts = 7387' reported in hole. Spot sand plug in 2 7/8" casing up to 7150'. POH with tbg to ~6000' and allow sand plug to settle. Tag plug to be sure it is at or above 7190'.

6 LD 1 1/4" tbg. Pressure test 2 7/8" csg and sand plug to 3000 psi for 15 minutes. If casing pressure tests, it can be used to spot cement plugs in subsequent steps. If not, a work string will be needed.

7 MIRU WL service. Run a gyro survey from PBDT to surface with 100' stations. Forward results to Sabrina Frantz in Evans Engineering. NOTE: When running tools, be aware of casing patch and change in ID at 5250' (6.5# casing above patch - 8.7# casing below). Dump bail one sack of cement on sand plug.

8 ND BOP and wellhead. Install BOP on surface casing head with 2 7/8" pipe rams. Install 3000 psi ball valves on both casing head outlets. Install a choke or choke manifold on one outlet.

9 RU WL and cut off 2 7/8" casing as close as possible above casing patch reported at 5248', per CCL. RDMO WL. Circulate bottoms up using drilling mud and continue circulating to remove any gas from wellbore.

10 MIRU cementers and equalize an open-hole plug from 5240' to 4340': 680 sx "G" w/ 0.25pps cello flake, 0.4% CD-32, 0.4% ASA-301. Precede cement with 20 bbl sodium metasilicate and 5 bbl water spacers. Cement volume based on 11.5" hole size with 20% excess (Caliper log on file).

11 Pull 2 7/8" tbg up to ~3000' and circulate clean. WOC per cement company recommendation.

12 Tag plug at 4340'. LD 2 7/8" to bring end of tbg to 1360'.

13 RU Cementers. Equalize cement plug: 650 sx Type III w/0.25 pps cello flake and CaCl2 as necessary mixed at 14.8 ppg and 1.33 cf/sx. Volume based on 11" hole 1360'-516' with 40% excess and 8 5/8" casing 516'-300'.

14 TOH and WOC per cement company recommendation.

15 Tag cement to confirm TOC is above 416'

16 MIRU WL. Run and set 8 5/8" CIBP at 80'. PT CIBP and surface casing 1000 psi for 15 min. Assuming successful test, RD wireline.

17 Instruct cementing and wireline contractors to e-mail copies of all job logs/job summaries and invoices to rscDJVendors@anadarko.com within 24 hrs of the completion of the job.

18 Supervisor submit paper copies of all invoices, logs, and reports to Joleen Kramer.

19 Excavation crew to notify One Call to clear excavation area around wellhead and for flowlines.

20 Excavate hole around surface casing enough to allow welder to cut 8 5/8" casing minimum 5' below ground level.

21 Welder cut 8 5/8" casing minimum 5' below ground level.

22 Fill surface casing with 4500 psi compressive strength cement, (NO gravel).

23 Spot weld on steel marker plate. Marker should contain Well name, Well number, legal location (1/4 1/4 descriptor) and API number.

24 Properly abandon flowlines per Rule 1103.

25 Obtain GPS location data per COGCC Rule 215 and send to rscDJVendors@anadarko.com.

26 Back fill hole with fill. Clean location, level.

27 Submit Form 6 to COGCC ensuring to provide 'As performed' WBD identifying operations completed. File electronic Form 42 once abandonment complete.

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: 6/3/2014 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: 6/10/2014

CONDITIONS OF APPROVAL, IF ANY: _____ Expiration Date: 12/9/2014

COA Type

Description

| | |
|--|--|
| | 1) Submit Form 42 electronically to COGCC 48 hours prior to MIRU. 2) If unable to pull casing below 4500' contact COGCC for plugging modifications. 3) For 1360' plug: pump plug and displace, shut-in, WOC 4 hours and tag plug – must be 465' 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

| | |
|-----------|-----------------------------|
| 400618892 | FORM 6 INTENT SUBMITTED |
| 400619079 | PROPOSED PLUGGING PROCEDURE |
| 400619080 | WELLBORE DIAGRAM |

Total Attach: 3 Files

General Comments

User Group

Comment

Comment Date

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

Total: 0 comment(s)