

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



| | | | |
|-------------------------------|----|----|----|
| DE | ET | OE | ES |
| Document Number: 400675237 | | | |
| Date Received: 08/28/2014 | | | |

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: Johnson, Randell Tel: (303) 815-9641
COGCC contact: Email: randell.johnson@state.co.us

API Number 05-123-21051-00 Well Name: BUSKER Well Number: 11-28A
 Location: QtrQtr: NESW Section: 28 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: 40.107940 Longitude: -104.898030
 GPS Data:
 Date of Measurement: 06/17/2008 PDOP Reading: 2.1 GPS Instrument Operator's Name: Cody Mattson
 Reason for Abandonment: Dry Production for Sub-economic Mechanical Problems
 Other _____
 Casing to be pulled: Yes No Estimated Depth: 1350
 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 | 8116 | 8134 | | | |
| DAKOTA | 8290 | 8316 | 06/30/2005 | B PLUG CEMENT TOP | 8250 |

Total: 2 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 | 718 | 505 | 718 | 0 | VISU |
| 1ST | 7+7/8 | 4+1/2 | 11.6 | 8,391 | 275 | 8,391 | 6,660 | CBL |
| | | | Stage Tool | 5,328 | 320 | 5,328 | 4,030 | CBL |

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 8050 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 80 sks cmt from 5400 ft. to 4300 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 _____ 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 310 sacks half in. half out surface casing from 1450 ft. to 500 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:

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 IOC (970-506-5980) at least 24 hr prior to rig move. Request they catch and remove plunger, isolate production equipment and remove any automation prior to rig MIRU.

2 MIRU slickline services. Pull bumper spring and tag bottom. RDMO slickline services.

3 Prepare location for base beam equipped rig. Install perimeter fence as needed.

4 Check and record Bradenhead pressure. If Bradenhead valve is not accessible, re-plumb so that valve is above GL.

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

6 TOOH and stand back 2 3/8" production tubing (222 jts landed @ 8098').

7 MIRU WL. PU and RIH with 4-1/2" gauge ring to 8100'.

8 PU and RIH with 4-1/2" CIBP and set at 8050'. PT casing and CIBP to 1000 psi for 15 minutes. RDMO WL.

9 Notify cementers to be on call.

10 RIH 2-3/8" tbg while hydrotesting to 3000 psi. Tag CIBP at 8050' and pick up 5'.

11 RU Cementers. Pump Niobrara balanced plug on top of CIBP: 96.36 cu-ft & 70 sx) "G" w/ 20% silical flour, 0.4% CD-32, 0.4% ASA-301, and R-3 to achieve 2:30 pump time mixed at 15.8 ppg and 1.38 cuft/sk. Calculated top of plug in the 4-1/2" csg is 6950'.

12 PUH to leave end of tubing at 5400' and circulate hole clean with fresh water w/biocide.

13 Pump Sussex Balanced plug: 92 cu-ft (80 sks) "G" w/ 0.4% CD-32, 0.4% ASA-301 with CaCl₂ as necessary mixed at 15.8 ppg, 1.15 cuft/sack. Calculated top of plug at 4300' based in the 4-1/2" csg covering the Stage Tool at 5328'.

14 PUH to ~4000' and circulate hole clean. WOC per cement company recommendation.

15 RIH and tag top of plug at 4300'. POOH, standing back 46 jts and laying down the rest.

16 ND BOP and wellhead. Install a 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.

17 MIRU Wireline. Cut off 4-1/2" csg at 1350'. RDMO WL. Circulate using water and biocide to remove any gas from wellbore.

18 POOH and LD 4-1/2" csg. Remove the 4-1/2" pipe rams and Install 2-3/8" pipe rams.

19 RIH w/ 2-3/8" tbg open ended 100' past the 4-1/2" csg stub to 1450'.

20 RU Cementers. Pump mud flush of 10 bbls SAP followed by 20 bbls water spacer.

21 Pump Fox Hills Balanced plug: 412 cu-ft (310 sx) Type III w/cello flake and CaCl₂ as deemed necessary, mixed at 1.33 cf per sack, 14.8 ppg. Plug size is based on 9" hole with 20% excess covering 1350' to shoe of surface casing at 718' plus capacity of surface casing to 500'.

22 PUH to 150' and Circulate out any excess cmt. TOH and WOC per cement company recommendation.

23 RIH and tag top of plug. Plug needs to be tagged at 532' or shallower. Consult Evans Engineering to confirm tag. POOH and LD 2-3/8" tbg.

24 RU wireline. Run and set CIBP in the 8 5/8", 24# surface casing at 80'. PT CIBP and surface casing to 1000 psi for 15 minutes. Assuming successful test, RD wireline.

25 RDMO workover rig.

26 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.

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

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

29 Excavate hole around surface casing enough to allow welder to cut casing minimum 5' below ground level.

30 Welder cut casing minimum 5' below ground level.

31 Fill casing to surface using 4500 psi compressive strength cement, (NO gravel).

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

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

34 Properly abandon flowlines per Rule 1103. File electronic Form 42 once abandonment complete.

35 Back fill hole with fill. Clean location,

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: 8/28/2014 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: 9/9/2014

CONDITIONS OF APPROVAL, IF ANY: _____ Expiration Date: 3/8/2015

| 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 1450' plug: pump plug and displace, shut-in, WOC 4 hours and tag plug – must be 668' or shallower. 4) Properly abandon flowlines as per Rule 1103. File electronic Form 42 once abandonment complete. |

Attachment Check List

| <u>Att Doc Num</u> | <u>Name</u> |
|--------------------|-----------------------------|
| 400675237 | FORM 6 INTENT SUBMITTED |
| 400675241 | PROPOSED PLUGGING PROCEDURE |
| 400675242 | WELLBORE DIAGRAM |

Total Attach: 3 Files

General Comments

| <u>User Group</u> | <u>Comment</u> | <u>Comment Date</u> |
|-------------------|------------------------------------------|------------------------|
| Permit | Well Completion Report dated 11/13/2002. | 9/4/2014 9:15:58 AM |

Total: 1 comment(s)