

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:

400662900

Date Received:

08/13/2014

## 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: Johnson, Randell

Tel: (303) 815-9641

COGCC contact:

Email: randell.johnson@state.co.us

API Number 05-123-16030-00

Well Name: SCHEIDT STATE

Well Number: VV 16-03

Location: QtrQtr: NENW Section: 16 Township: 1N Range: 67W Meridian: 6

County: WELD

Federal, Indian or State Lease Number: 72-2026-S

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: 40.056460

Longitude: -104.898010

GPS Data:

Date of Measurement: 05/03/2007

PDOP Reading: 2.7

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: 1520

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 recovered from 1520' and a stub plug will be set from 1620' to 575'.  
Sussex perms will be squeezed with cement below a CICR.

## Current and Previously Abandoned Zones

Formation	Perf. Top	Perf. Btm	Abandoned Date	Method of Isolation	Plug Depth
CODELL	7708	7718			
SUSSEX	4776	4796			

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	775	340	775	0	VISU
1ST	7+7/8	3+1/2	9.3	7,852	317	7,852	6,510	CBL
S.C. 1.1				7,852	575	5,308	4,200	CBL

## Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 7630 with 25 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 25 sks cmt from 7630 ft. to 6950 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 4796 ft. with 60 sacks. Leave at least 100 ft. in casing 4730 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 580 sacks half in. half out surface casing from 1620 ft. to 433 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 4776-4796 ft. with 60 sacks Leave at least 100 ft. in casing 4730' CICR Depth

**PLUG AND ABANDONMENT PROCEDURE**

SCHEIDT STATE VV 16-03

**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 IOC (970-506-5980) at least 24 hr prior to rig move. Request they isolate production equipment prior to rig MIRU.
- 2 Prepare location for base beam equipped rig. Install perimeter fence as needed.
- 3 MIRU, kill as necessary using clean fresh water with biocide. ND WH. NU BOP. Unseat landing jt, LD. Approximately 3500' additional 2.063" IJ tbg will be needed.
- 4 PU 3 additional jts 2.063" IJ tbg and TIH to sand spotted on RBP @ 4493' (Provided by Thunderbird Tool 12/10/2013). There are currently 131 jts 2.063" IJ tbg w/retrieving head landed @ 4408' KB.
- 5 Circulate sand off of RBP and retrieve same.
- 6 TOOH and stand back 2.063" production tubing, LD RBP.
- 7 PU scraper for 3 1/2" 9.3# casing. TIH on 2.063" tbg to 7700'. TOH, standing back tbg. LD scraper.
- 8 MIRU Warrior WL. Run gyro directional survey from 7700' to surface with 100' stations. Forward results to Sabrina Frantz in Evans Engineering.
- 9 RIH 3 1/2" CIBP and set at 7630' to abandon Cd/Nb perms.
- 10 TIH w 2 .063" tbg open ended to CIBP at 7630'. Hydro -test tbg to 3000 psi.
- 11 RU cementers and equalize a balanced plug above CIBP from 7630' to 6950' as follows: 25 sx "G" w/20% silica 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. (34 cuft of slurry).
- 12 POH 20 stands and circulate tbg clean using fresh water treated with biocide. POH standing back 4730' of tbg.
- 13 RIH w/CICR for Sussex squeeze on 2.063" tbg. Set at 4730'. Sussex perms are 4776'-4796'
- 14 RU cementers. Pump Sussex squeeze consisting of 60 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 cf/sk. (69 cuft of slurry). Underdisplace and sting out of CICR to leave 3 bbl of cement on top of retainer.
- 15 PUH 10 stands. Circulate with water containing biocide to clear tubing. TOH standing back ~ 1620' of tbg.
- 16 ND BOP and wellhead. Install BOP on surface casing head with 3 1/2" pipe rams. Install 3000 psi ball valves on both casing head outlets. Install a choke or choke manifold on one outlet.
- 17 RU WL and cut off 3 1/2" casing at 1520'. RDMO WL. Circulate bottoms up using drilling mud and continue circulating to remove any gas from wellbore.
- 18 Pull and LD 1520' of 3 1/2" casing.
- 19 RIH w/ 2.063" tbg to 1620' (100' inside 3 1/2" csg stub).
- 20 RU cementers. Pump 10 bbl SAPP (Sodium Acid Pyrophosphate) followed by 20 bbl (min) fresh water spacer immediately preceding cement.
- 21 Pump a balanced stub plug 1620'-575': 580 sx (771 cuft.) Type III cement w/ 0.25 pps cello flake and CaCl<sub>2</sub> as deemed necessary mixed at 14.8 ppg and 1.33 cf/sk (100' inside 3 1/2" casing, 745' in 11" OH + 40% excess and 200' in surface casing ).
- 22 TOOH and WOC per cementing company recommendation. Tag plug; TOC should be 675' or higher.
- 23 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.
- 24 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.
- 25 Supervisor submit paper copies of all invoices, logs, and reports to Joleen Kramer.
- 26 Excavation crew to notify One Call to clear excavation area around wellhead and for flowlines.
- 27 Excavate hole around surface casing enough to allow welder to cut 8 5/8" casing minimum 5' below ground level.
- 28 Welder cut 8 5/8" casing minimum 5' below ground level.
- 29 Fill casing to surface using 4500 psi compressive strength cement, (NO gravel).
- 30 Spot weld on steel marker plate. Marker should contain Well name, Well number, legal location (1/4 1/4 descriptor) and API number.

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: 8/13/2014 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: 8/17/2014

**CONDITIONS OF APPROVAL, IF ANY:** \_\_\_\_\_ Expiration Date: 2/16/2015

<u>COA Type</u>	<u>Description</u>
	<p>Note change in plugging procedure:</p> <p>1) Submit Form 42 electronically to COGCC 48 hours prior to MIRU.</p> <p>2) If unable to pull casing contact COGCC for plugging modifications.</p> <p>3) For 1620' plug: pump plug and displace, shut-in, WOC 4 hours and tag plug – must be 433' or shallower (instead of proposed 575') to separate Laramie Fox Hills aquifer from Lower Arapahoe aquifer. Increase cement volumes accordingly.</p> <p>4) Properly abandon flowlines as per Rule 1103. File electronic Form 42 once abandonment complete.</p> <p>5) Please submit gyro survey data with Form 6 (s) Subsequent Report of Abandonment.</p>

### **Attachment Check List**

<u>Att Doc Num</u>	<u>Name</u>
400662900	FORM 6 INTENT SUBMITTED
400662902	PROPOSED PLUGGING PROCEDURE
400662903	WELLBORE DIAGRAM

Total Attach: 3 Files

### **General Comments**

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Well Completion Report dated 8/22/1992.	8/14/2014 9:10:50 AM

Total: 1 comment(s)