

Document Number:  
400750683

Date Received:  
12/11/2014

**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 05-123-15152-00 Well Number: 24-10J

Well Name: GURTLER

Location: QtrQtr: NWSE Section: 24 Township: 3N Range: 65W 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: 40.208890 Longitude: -104.609580

GPS Data:  
Date of Measurement: 07/17/2006 PDOP Reading: 3.8 GPS Instrument Operator's Name: Paul Tappy

Reason for Abandonment:  Dry     Production for Sub-economic     Mechanical Problems

Other \_\_\_\_\_

Casing to be pulled:  Yes     No    Estimated Depth: 1220

Fish in Hole:  Yes     No    If yes, explain details below

Wellbore has Uncemented Casing leaks:  Yes     No    If yes, explain details below

Details: Well is to be plugged to make room for an expansion of an oil production facility. Will be cut and capped at ~17-20-ft below current grade based on grading plans for the facility

**Current and Previously Abandoned Zones**

Formation	Perf. Top	Perf. Btm	Abandoned Date	Method of Isolation	Plug Depth
CODELL	7071	7107			
NIOBRARA	6786	6941			

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	652	440	652	0	VISU
1ST	7+7/8	4+1/2	11.6	7,195	200	7,195	6,235	CBL

## Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 6725 with 25 sacks cmt on top. CIBP #2: Depth 80 with 20 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 \_\_\_\_\_ 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 4430 ft. with 200 sacks. Leave at least 100 ft. in casing 4050 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 330 sacks half in. half out surface casing from 1320 ft. to 450 ft. Plug Tagged:

Set 20 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:

4 MIRU slickline services and pressure bomb services. Pull bumper spring, tag bottom, and run pressure bomb survey and obtain pressure gradient survey from surface to 6947' making gradient stops every 1000'. Forward pressure bomb results to Evans Engineering. RDMO pressure bomb services. MIRU VES and run gyro survey from 7064' to surface with stops every 100'. Forward gyro survey data and invoices to Sabrina Frantz. RDMO slickline services and VES.

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

6 POOH and stand back 2-3/8" tbg. (landed at 7064')

7 MIRU WL. RIH w/ gauge ring for 4.5" 11.6# csg to 6750'.

8 RIH and Set 4.5" CIBP mid joint at 6725'. PT csg 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 to CIBP at 6725'. Tag CIBP and pick up 5'.

11 RU Cementers. Pump Niobrara plug consisting of 34.5 cu-ft (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. Calculated top in the 4-1/2" csg is 6350'.

12 PUH to 6000' and circulate hole clean. TOOH and stand back 128 jnts (4050') of 2-3/8" tbg. Lay down remainder.

13 RU WL. PU 2-1' 3-1/8" perf guns with 3 spf, 0.5" diam, 120 phasing. Shoot 1' of squeeze holes at 4430' and 4020'. RD WL.

14 PU 4-1/2" CICR and RIH on 2-3/8" tbg. Set at 4050'.

15 Establish circulation through squeeze perms. Pump 5 bbls fresh water w/ biocide followed by 20 bbls sodium metasilicate followed by 5 bbl spacer fresh water w/ biocide.

16 Pump Sussex Suicide plug: 230 cu-ft (200 sks) "G" w/ 0.25 pps cello flake ,0.4% CD-32, 0.4% ASA-301 with CaCl2 as necessary. Mixed at 15.8 ppg, 1.15 cuft/sack. Underdispace by 3 bbls and unstring from CICR. Spot final 3 bbls on top of CICR to leave 200' on top. Volume based on 410' of 9.25" hole with 20% excess and 4-1/2" casing up to 3850'.

17 PUH to 3200' and circulate hole clean with fresh water w/biocide. POOH standing back 42 jnts and laying down the rest.

18 RU WL. Cut off 4-1/2" csg at 1220'. RDMO WL. Circulate using water and biocide to remove all gas from wellbore.

19 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.

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

21 RIH w/ 2-3/8" WS open ended 100' past the 4-1/2" csg stub to 1320'.

22 MIRU Cementers. Pump Fox Hills Balanced plug: Pump mud flush of 10 bbls SAPP followed by 20 bbls water ahead of 439 cu-ft (330 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 40% excess covering 1320' to shoe of surface casing at 652' plus capacity of surface casing to 450'. 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 452' or shallower. 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. RDMO workover rig.

25 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.

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

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

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

29 Welder cut casing minimum 5' below ground level.

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

31 Spot weld on steel marker plate. Marker should contain Well name, Well number, legal location (1/4 1/4 descrip

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: 12/11/2014 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: 12/11/2014

**CONDITIONS OF APPROVAL, IF ANY:** \_\_\_\_\_ Expiration Date: 6/10/2015

<b>COA Type</b>	<b>Description</b>
	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 1320' plug: pump plug and displace, shut-in, WOC 4 hours and tag plug – must be 600' 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

<u>Att Doc Num</u>	<u>Name</u>
400750683	FORM 6 INTENT SUBMITTED
400750692	PROPOSED PLUGGING PROCEDURE
400750694	WELLBORE DIAGRAM

Total Attach: 3 Files

## General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Well Completion Report dated 10/25/1991.	12/11/2014 2:04:30 PM

Total: 1 comment(s)