

**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: 400779364			
Date Received: 01/23/2015			

**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 05-123-17696-00 Well Number: 28-10J  
 Well Name: CANNON LAND  
 Location: QtrQtr: NWSE Section: 28 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: 40.195140 Longitude: -104.666760  
 GPS Data:  
 Date of Measurement: 07/19/2006 PDOP Reading: 1.8 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: 1230  
 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
CODELL	7161	7175			
NIOBRARA	6866	6928			
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	23	723	293	723	13	VISU
1ST	7+7/8	3+1/2	7.7	7,284	180	7,284	6,326	CBL
S.C. 1.1	7+7/8	3+1/2	7.7	4,976	230	4,976	3,922	CBL

## Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 6820 with 20 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 20 sks cmt from 6820 ft. to 6280 ft. Plug Type: CASING Plug Tagged:   
Set 35 sks cmt from 4770 ft. to 4020 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:

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 240 sacks half in. half out surface casing from 1330 ft. to 520 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:

5 MIRU WO rig. Kill well as necessary with water and biocide. ND wellhead. NU BOP.  
 6 Unland 2.06" tbg (218 total joints landed at 7,132') and TOO H standing back 6,820' of 2.06" tubing. LD extra tubing.  
 7 MIRU wireline. RIH with junk basket/gauge ring (3.5" 7.7#) to 6,860'. POOH. PU and RIH with CIBP (3.5", 7.7#) to set at 6,820' (collars at 6,799' and 6,840'). POOH. RDMO wireline.  
 8 MIRU hydrotester. Hydrotest 2.06" tubing to 3,000 psi while TIH open ended. Tag CIBP set at 6,820'. PUH just above CIBP and circulate all gas out of the hole. Pumping water with biocide, pressure test the CIBP and production casing to 1,000 psi for 15 minutes. If pressure test passes, proceed to next step; otherwise contact engineering.  
 9 MIRU cementing services. Establish circulation with water and pump 20 sx Class "G" cement with 20% silica flour, 0.4% CD-32, 0.4% ASA-301 and R3 (to achieve 2-1/2 hr. pump time) mixed at 15.8 ppg and 1.38 cuft/sx (cement volumes based on 3.5" 7.7# casing capacity from 6,820' to 6,280'). Displace cement to estimated TOC at 6,280' using approx. 18.5 bbls water. TOO H and LD 2.06" tubing so EOT at +/- 6,080'. Reverse circulate using approx. 36 bbls water (2 times tubing volume) or until returns are clean.  
 10 TOO H and land EOT at 4,770'. LD extra tubing.  
 11 MIRU cementing services. Establish circulation with water and pump 35 sx Class "G" cement with with 0.4% CD-32 and 0.4% ASA-301 mixed at 15.8 ppg and 1.15 cuft/sx (cement volumes based on 3.5" 7.7# casing capacity from 4,770' to 4,020' with no excess). Displace cement to estimate TOC at 4,020' using 12 bbls water. TOO H and stand back 2.06" tubing so EOT at +/- 3,800'. Reverse circulate using approx. 23 bbls water (2 times tubing volume) or until returns are clean. RDMO cementing services. WOC to set up per cementing company recommendation.  
 12 PU and TIH with 2.06" tubing to tag cement plug at +/- 4,020'. If cement is not above 4,020' contact engineer, otherwise proceed to next step.  
 13 TOO H and stand back 1,330' of 2.06" tubing. LD extra tubing.  
 14 RIH and jet cut 3.5" production casing at 1,230'. RDMO wireline. Circulate bottoms up and continue circulating to remove any gas from wellbore.  
 15 ND BOP. Install BOP on surface casing head with 3.5" pipe rams. Install 3,000 psi ball valves on both casing head outlets. Install a choke or choke manifold on one outlet.  
 16 TOO H and LD 1,230' of 3.5" casing.  
 17 TIH with 2.06" tubing open ended to 1,330' (100' inside the 3.5" stub).  
 18 MIRU cementing services. Establish circulation through 2.06" tubing with water and pump 10 bbls SAPP mud flush, 20 bbls fresh water spacer, then balanced stub plug using 240 sx Type III cement with cello flake and CaCl<sub>2</sub> as necessary, mixed at 14.8 ppg and 1.33 cuft/sx (cement volumes based on 100' inside 3.5" 7.7# casing, 507' in 8.5" hole with 20% excess, and 200' in 8-5/8" 23# surface casing). RDMO cementing services.  
 19 TOO H and LD 2.06" tubing until end of tubing is at +/- 200'. Circulate down tubing and up surface casing/tubing annulus until returns are clean to ensure CIBP can be set in clean surface casing. Finish TOO H and LD 2.06" tubing. WOC to set up per cementing company recommendation.  
 20 PU and TIH with 2.06" tubing to tag cement plug at +/- 620'. If cement is not above 620' contact engineer, otherwise proceed to next step.  
 21 TOO H and LD all 2.06" tubing.  
 22 MIRU wireline. PU and RIH with CIBP (8-5/8", 23#/ft). Set CIBP at 80' and pressure test the CIBP to 1,000 psi for 15 mins. If pressure test fails contact engineering, otherwise proceed to next step.  
 23 RDMO wireline. RDMO WO rig.  
 24 Instruct cementing and wireline contractors to e-mail copies of all job logs/job summaries to rscDJVendors@anadarko.com within 24 hours of completion of job.  
 25 Supervisor submit paper copies of all invoices, logs, and reports to Engineering Specialist.  
 26 Excavation crew to notify One Call to clear excavation area around wellhead and for flowlines.  
 27 Excavate hole around surface casing eno

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: 1/23/2015 Email: cheryl.light@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: 2/21/2015

CONDITIONS OF APPROVAL, IF ANY: \_\_\_\_\_ Expiration Date: 8/20/2015

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 1330' plug: pump plug and displace, shut-in, WOC 4 hours and tag plug – must be 673' or shallower. 4) Properly abandon flowlines as per Rule 1103. File electronic Form 42 once abandonment complete. 5) Please submit existing gyro survey data with Form 6 (s) Subsequent Report of Abandonment.

## Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
400779364	FORM 6 INTENT SUBMITTED
400779376	PROPOSED PLUGGING PROCEDURE
400779378	WELLBORE DIAGRAM

Total Attach: 3 Files

## General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Niobrara completion report 06/16/2006 #01514937 Codell completion report 01/23/2004 #01206927	1/30/2015 11:02:04 AM

Total: 1 comment(s)