

**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: 400534329			
Date Received: 01/03/2014			

**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: MONTOYA, JOHN Tel: (970) 3974124  
**COGCC contact:** Email: john.montoya@state.co.us

API Number 05-123-08249-00 Well Name: JIMMIE E. MILLER G U Well Number: 1  
 Location: QtrQtr: SWSW Section: 31 Township: 2N 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: 40.090180 Longitude: -104.712510  
 GPS Data:  
 Date of Measurement: 03/15/2006 PDOP Reading: 2.9 GPS Instrument Operator's Name: Chris Fisher  
 Reason for Abandonment:  Dry  Production for Sub-economic  Mechanical Problems  
 Other \_\_\_\_\_  
 Casing to be pulled:  Yes  No Estimated Depth: 100  
 Fish in Hole:  Yes  No If yes, explain details below  
 Wellbore has Uncemented Casing leaks:  Yes  No If yes, explain details below  
 Details: Two types of production csg (first string) were used in this well, both are a part of the same string of csg.

**Current and Previously Abandoned Zones**

Formation	Perf. Top	Perf. Btm	Abandoned Date	Method of Isolation	Plug Depth
CODELL	7393	7409			
J SAND	7848	7876			

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	231	225	231	0	CALC
1ST	7+7/8	4+1/2	10.5/11.6	7,980	200	7,948	7,404	CBL
S.C. 1.1				7,980	0	7,375	6,184	CBL
S.C. 1.2				7,980	200	990	200	CALC

## Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 7600 with 2 sacks cmt on top. CIBP #2: Depth 7350 with 45 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 5200 ft. with 115 sacks. Leave at least 100 ft. in casing 5220 CICR Depth

Perforate and squeeze at 1000 ft. with 320 sacks. Leave at least 100 ft. in casing 1020 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 \_\_\_\_\_ 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 5575 & 5200 ft. with 115 sacks Leave at least 100 ft. in casing 5220 CICR Depth  
 Perforate and squeeze at 1600 & 1000 ft. with 320 sacks Leave at least 100 ft. in casing 1020 CICR Depth  
 Jimmie E Miller GU 1 P&A

5. MIRU WO rig. Kill well as necessary w/ water containing biocide. ND WH, NU BOP.
6. Unseat and LD landing joint.
7. PU w/ 2-3/8" tbg (4.7#, J-55) to break any sand bridges. Do not exceed the safety tensile load of 57,384 lbs (80% of upset yield strength). TOOH and SB 2-3/8" tbg.
8. PU and RIH w/ scraper on 2-3/8" tbg for 4.5" ([10.5#, K-55, STC] & [11.6#, N-80, LTC] – both csg is downhole) prod csg to 7,600' (+/- 246 jts). TOOH and SB tbg. LD scraper.
9. MIRU E-Line. PU, RIH, and set CIBP to +/- 7,600' for 4.5" 11.6# N-80 prod csg on wireline. Spot 2 sx of cmt on top of CIBP.
10. RDMO E-Line.
11. PU CIBP on tbg and TIH to +/- 7,350 (+/- 237 jts). Set CIBP. Pressure test to 1000 psi for 15 min.
12. MIRU Cementing Services. Spot 45 sx of 1:1:3 Poz:G:Gel' + 20% silica flour + 0.4% CFL-2 + 0.1% SMS + 0.05% CR-4 to achieve a 4:19 pump time mixed at 13.5 ppg and 1.66 cuft/sk on top of CIBP from +/- 7,350' to +/- 6,520'.
13. TOOH w/ 2-3/8" tbg to +/- 5,000' (76 jts) and circulate to clean tbg. Load hole w/ 9.0 ppg mud and TOOH & SB tbg. Let cement set overnight.
14. MIRU E-line. PU and RIH two 1' perf guns (3 spf, "Big Hole" 0.6" EHD, 7" penetration, 120o phasing, 1' net, 3 total holes) to 5,575'. Perf btm squeeze holes in prod csg (10.5# K-55, STC). PUH to 5,200' and Perf the top squeeze holes in prod csg (10.5# K-55, STC).
15. PU CICR for 4.5" csg (10.5# K-55, STC) on 2-3/8" tbg. TIH and set to 5,220'. Establish circulation with 9.0 ppg mud. If circulation cannot be established contact Engineer in Evans. RDMO E-line.
16. Pump 20 bbls of metalillicate followed with 115 sx of 1:2:4 Poz:III:Gel + 3% (BWOW) KCl + 1% SMS + 0.4% CR-4 + 0.2% SPC-2 + 2 lb/sk PS Flake mixed at 12.5 ppg to achieve 1.93 cuft/sk with a pump time of 3:12. Displace w/ 19 bbls of water to leave 20' of cmt on top of CICR
17. Sting out of CICR and place cement in tbg on top of CICR. POH to 2,000 (+/- 104 jts) and circulate to clean tbg. TOOH and SB 44 jts of tbg and LD remainder.
18. MIRU E-Line. Run CBL-CCL from 2000' to 0' (estimated BOC at +/- 990'). Contact Engineer to determine depths of top perf holes, and possible recalculation of cmt volumes. The rest of the procedure is assuming 990' is BOC and top perf hole will be at 1,000'.
19. PU and RIH two 1' perf guns (3 spf, "Big Hole" 0.6" EHD, 7" penetration, 120o phasing, 1' net, 3 total holes) to 1,600'. Perf btm squeeze holes in prod csg (10.5# K-55, STC). PUH to 1,000' and Perf the top squeeze holes in prod csg (10.5# K-55, STC).
20. PU CICR on 2-3/8" tbg and TIH to +/- 1,020. Establish circulation and circulate hole clean with water treated w/ biocide. Circulate as high a rate as possible WITHOUT exceeding 500 psi (to limit fracturing the rock). RDMO E-Line.
21. Pump 320 sx of Type III + 0.2% SPC-2 w/ 2 lb/sk of cello flake mixed to obtain a 2:49 pump time w/ 1.46 cuft/sk and 14.2 ppg through the CICR from +/- 1,600' to +/- 130'. Circulate clean the tbg. Let cement set over night.
22. Tag TOC w/ 2-3/8" tbg (+/- 130').
23. MIRU wireline. PU a jet cutter and TIH to +/- 100 ft to cut csg (10.5#, K-55, STC). Cut, TOOH, and LD csg. RDMO wireline.
24. PU CIBP w/ 2-3/8" tbg for 8-5/8" 23# csg and TIH to +/- 70'. Set CIBP. TOOH and LD 2-3/8" tbg.
25. RDMO WO rig.
29. MIRU ready cement mixer. Fill the last 100' inside the 4-1/2" prod. casing until 10' below surface. Use 4,500 psi compressive strength redi-mix cement (Sand and Cement only, no gravel) to finish filling surface casing to top of cut off.
30. Check top of cement inside 8-5/8" surface casing at least 5' below ground level.
31. Have welder spot weld on steel marker plate. (Note: marker shall be labeled with well name and number, legal location (¼ ¼ description) 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: 1/3/2014 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: 1/28/2014

**CONDITIONS OF APPROVAL, IF ANY:** \_\_\_\_\_ Expiration Date: 7/27/2014

<u>COA Type</u>	<u>Description</u>
	1) Submit Form 42 electronically to COGCC 48 hours prior to MIRU. 2) For 1000' plug: pump plug and displace. Wait 4 hours then tag plug – must be 180' or shallower. 3) 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>
400534329	FORM 6 INTENT SUBMITTED
400534353	WELLBORE DIAGRAM
400534354	PROPOSED PLUGGING PROCEDURE
400534356	WELLBORE DIAGRAM

Total Attach: 4 Files

## General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>

Total: 0 comment(s)