

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
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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) 397-4124
COGCC contact: Email: john.montoya@state.co.us

API Number 05-123-09948-00 Well Number: 34-21
 Well Name: HALLER
 Location: QtrQtr: SWSE Section: 21 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: 40.119520 Longitude: -104.665450
 GPS Data:
 Date of Measurement: 07/06/2007 PDOP Reading: 2.3 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: _____
 Fish in Hole: Yes No If yes, explain details below
 Wellbore has Uncemented Casing leaks: Yes No If yes, explain details below

Details: 2001 - Multiple casing repair squeezes made from 1880' - 1315', verified with CBL
Aug 2005 - 200 sk Nio suicide squeeze from 7170' - 6654' verified with CBL
Sep 2005 - 260 sk circulation squeeze performed providing coverage from 850' to 250'. Verified with CBL

Current and Previously Abandoned Zones

Formation	Perf. Top	Perf. Btm	Abandoned Date	Method of Isolation	Plug Depth
CODELL	7226	7238			
NIOBRARA	7002	7092			
J SAND	7663	7715	08/30/2005	B PLUG CEMENT TOP	7600

Total: 3 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	643	450	643	0	VISU
1ST	7+7/8	4+1/2	11.6	7,790	200	7,790	7,206	CBL
S.C. 1.1				1,880	360	1,880	938	CBL
S.C. 1.2				7,170	165	7,170	6,654	CBL
S.C. 1.3				850	260	854	250	CBL

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 6930 with 2 sacks cmt on top. CIBP #2: Depth _____ with _____ 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 15 sks cmt from 6530 ft. to 6380 ft. Plug Type: CASING Plug Tagged:
 Set 15 sks cmt from 4130 ft. to 3980 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 6620 ft. with 40 sacks. Leave at least 100 ft. in casing 6530 CICR Depth
 Perforate and squeeze at 4510 ft. with 255 sacks. Leave at least 100 ft. in casing 4130 CICR Depth
 Perforate and squeeze at _____ ft. with _____ sacks. Leave at least 100 ft. in casing _____ CICR Depth
 (Cast Iron Cement Retainer Depth)

Set 100 sacks half in. half out surface casing from 1900 ft. to 540 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:

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: 10/8/2015 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: BURN, DIANA Date: 11/23/2015

CONDITIONS OF APPROVAL, IF ANY: _____ Expiration Date: 5/22/2016

COA Type	Description

Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
400914393	FORM 6 INTENT SUBMITTED
400914397	PROPOSED PLUGGING PROCEDURE
400914400	WELLBORE DIAGRAM

Total Attach: 3 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Per operator changed NB perms to 7002' top & 7092' bottom. Permitting Review Complete.	11/23/2015 11:27:06 AM
Agency	1) Provide 48 hour notice of plugging MIRU via electronic Form 42. 2) Provide 25 sx plug at the surface (inside and outside of casing). 3) Properly abandon flowlines as per Rule 1103. File electronic Form 42 once abandonment complete.	11/23/2015 10:43:52 AM
Engineer	stage cemenet 1.1 - previously undocumented outside of CBL; plugs listed in casing are 15 sx dumped on CICRs	11/23/2015 10:27:59 AM
Public Room	Document verification complete 10/16/15	10/16/2015 12:53:02 PM
Permit	ON HOLD: requesting confirmation of NB perms.	10/16/2015 12:41:52 PM
Permit	Well Completion Report dated 7/3/1980	10/16/2015 12:41:20 PM

Total: 6 comment(s)