

Document Number:
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Date Received:

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 05-123-17572-00 Well Number: 32-9K
 Well Name: HERMAN
 Location: QtrQtr: NESE Section: 32 Township: 3N Range: 66W 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: 40.180086 Longitude: -104.794536
 GPS Data:
 Date of Measurement: 01/08/2010 PDOP Reading: 3.9 GPS Instrument Operator's Name: Cody Mattson
 Reason for Abandonment: Dry Production Sub-economic Mechanical Problems
 Other _____
 Casing to be pulled: Yes No Estimated Depth: 2500
 Fish in Hole: Yes No If yes, explain details below
 Wellbore has Uncemented Casing leaks: Yes No If yes, explain details below
 Details: The J Sand is still TA'd with a sand plug. This is the only plug currently in the well. On 9/19/2012 an RBP was set at 7050' for a HZ safety prep. That RBP was pulled on 12/4/2012 and fill cleaned out to 7430'. So the well should have been capable of production at that point.

Current and Previously Abandoned Zones

Formation	Perf. Top	Perf. Btm	Abandoned Date	Method of Isolation	Plug Depth
CODELL	7358	7368			
NIOBRARA	7092	7216			
J SAND	7798	7834	10/19/2010	SAND PLUG	7430

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	23	713	335	713	0	VISU
1ST	7+7/8	3+1/2	7.7	7,542	205	7,542	6,564	CALC
S.C. 1.1				4,940	407	4,940	3,982	CBL
1ST LINER	3	2+3/8	4.7	7,975	30	7,975	7,500	CBL

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 7490 with 1 sacks cmt on top. CIPB #2: Depth 7025 with 15 sacks cmt on top.
 CIBP #3: Depth _____ with _____ sacks cmt on top. CIPB #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 7025 ft. to 6625 ft. Plug Type: CASING Plug Tagged:
 Set 10 sks cmt from 4200 ft. to 3898 ft. Plug Type: CASING Plug Tagged:
 Set 25 sks cmt from 2550 ft. to 2447 ft. Plug Type: STUB PLUG Plug Tagged:
 Set 50 sks cmt from 150 ft. to 0 ft. Plug Type: CASING 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 95 sacks half in. half out surface casing from 815 ft. to 663 ft. Plug Tagged:

Set 50 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. _____ inch casing Plugging Date: _____
 of _____

*Wireline Contractor: _____ *Cementing Contractor: _____

Type of Cement and Additives Used: _____

Flowline/Pipeline has been abandoned per Rule 1105 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: Staff Regulatory Analyst Date: _____ 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: _____ Date: _____

CONDITIONS OF APPROVAL, IF ANY: _____ Expiration Date: _____

COA Type	Description

Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
402035886	WELLBORE DIAGRAM
402035887	PROPOSED PLUGGING PROCEDURE

Total Attach: 2 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Returned to draft - 5/6/2019 -Missing plug over J Sand - has been TA since 11/2010?	05/06/2019
Permit	Verified as drilled lat/long Verified completed intervals (400114723)	05/06/2019
Well File Verification	Pass	05/03/2019

Total: 3 comment(s)