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Document Number: 400521169			
Date Received: 12/03/2013			

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: PRECUP, JIM Tel: (303) 726-3822
COGCC contact: Email: james.precup@state.co.us

API Number 05-123-18084-00 Well Number: 2-36
 Well Name: HSR CHARLENE
 Location: QtrQtr: NWNE Section: 36 Township: 3N Range: 67W Meridian: 6
 County: WELD Federal, Indian or State Lease Number: 61467
 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: 40.187340 Longitude: -104.836400
 GPS Data:
 Date of Measurement: 03/22/2006 PDOP Reading: 2.5 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: 1145
 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	7301	7304			
NIOBRARA	7086	7089			
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	866	610	866	0	VISU
1ST	7+7/8	2+7/8	6.5	7,438	725	7,438	3,676	CBL

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 6990 with 30 sacks cmt on top. CIBP #2: Depth 100 with 30 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 30 sks cmt from 6990 ft. to 6640 ft. Plug Type: CASING Plug Tagged:
 Set 30 sks cmt from 4950 ft. to 4140 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 175 sacks half in. half out surface casing from 1245 ft. to 665 ft. Plug Tagged:
 Set 30 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: 12/3/2013 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: JENKINS, STEVE Date: 12/9/2013

CONDITIONS OF APPROVAL, IF ANY: _____ Expiration Date: 6/8/2014

COA Type

Description

	NOTE: Change in plugging procedure 1) Provide 24 hour notice of MIRU to Jim Precup at 303-726-3822 or e-mail at James.Precup@state.co.us. 2) For 1245' plug: pump plug and displace, if not circulated to surface - shut-in, WOC 4 hours and tag plug (must be 665' or shallower). Leave at least 100' cement in the casing for each plug. 3) Properly abandon flowlines as per Rule 1103.
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Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
400521169	FORM 6 INTENT SUBMITTED
400521171	PROPOSED PLUGGING PROCEDURE
400521172	WELLBORE DIAGRAM
400521174	WELLBORE DIAGRAM

Total Attach: 4 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Engineer	LOCATION: NW 1/4 OF NE 1/4 OF SEC. 36, TOWNSHIP 3N, RANGE 67W (653 FNL, 1983 FEL) GROUND ELEVATION 4804' DEEPEST WATER WELL WITHIN 1 MILE IS 360', BOTTOM OF THE FOX HILLS AT THE WELL SITE: 290', TOP 31'.	12/9/2013 11:13:08 AM
Permit	Well completion report dated 08/01/1994.	12/6/2013 9:40:09 AM

Total: 2 comment(s)