

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.

Document Number:
400474060

Date Received:
08/28/2013

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 05-123-10041-00

Well Name: HELGOTH HEIRS UNIT Well Number: 1

Location: QtrQtr: SWSW Section: 24 Township: 2N 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: 40.118310 Longitude: -104.732580

GPS Data:
Date of Measurement: 04/29/2007 PDOP Reading: 2.6 GPS Instrument Operator's Name: LARRY ROBBINS

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: There are known leaks in the production casing from 1651' - 3169'. Remedial cement was added from 1000' to 300' (possibly higher) when Whitewing Resources was recompleting the CDNI in 2005 by shooting perforations @ 1000'. The JS plug has 2 sacks of cement on top, while the CDNI's CIBP @ 7320' w/40 sacks spotted on top and tagged @ 6612' on 7/24/2013.

Current and Previously Abandoned Zones

Formation	Perf. Top	Perf. Btm	Abandoned Date	Method of Isolation	Plug Depth
NIOBRARA-CODELL	7306	7540	07/23/2013	B PLUG CEMENT TOP	7230
J SAND	7982	8013	07/22/2013	B PLUG CEMENT TOP	7907

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	243	175	243	0	CALC
1ST	7+7/8	4+1/2	10.5/11.6	8,075	175	8,075	6,668	CBL

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 150 with 9 sacks cmt on top. CIPB #2: Depth _____ with _____ 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 _____ 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 5450 ft. with 650 sacks. Leave at least 100 ft. in casing 4560 CICR Depth
Perforate and squeeze at 1651 ft. with 40 sacks. Leave at least 100 ft. in casing 1600 CICR Depth
Perforate and squeeze at _____ ft. with _____ sacks. Leave at least 100 ft. in casing _____ CICR Depth

(Cast Iron Cement Retainer Depth)

Set 60 sacks half in. half out surface casing from 1180 ft. to 150 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 5450/4540 ft. with 650 sacks Leave at least 100 ft. in casing 4560 CICR Depth
Perforate and squeeze at 1651' (Previous HIC) ft. with 40 sacks Leave at least 100 ft. in casing 1600' CICR Depth

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: 8/28/2013 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: BURN, DIANA Date: 9/14/2013

CONDITIONS OF APPROVAL, IF ANY: _____ Expiration Date: 3/13/2014

COA Type	Description
	Need contractor's tax for previously set CIBPs (7/2013/ included with SUBsequent Report of Abandonment
	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 1180' plug: pump plug and displace, if not circulated to surface - shut-in, WOC 4 hours and tag plug (must be 190' or shallower). Leave at least 100' cement in the casing for each plug. 3) Properly abandon flowlines as per Rule 1103.

Attachment Check List

Att Doc Num	Name
400474060	FORM 6 INTENT SUBMITTED
400474061	PROPOSED PLUGGING PROCEDURE
400474062	WELLBORE DIAGRAM
400474069	WELLBORE DIAGRAM

Total Attach: 4 Files

General Comments

User Group	Comment	Comment Date
Engineer	SC doc 1739882	9/14/2013 3:12:08 PM
Permit	Corrected formation to Niobrara-Codell.	8/29/2013 7:50:09 AM

Total: 2 comment(s)