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401917499

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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: Silver, Randy Tel: (720) 827-6688

COGCC contact: Email: randy.silver@state.co.us

API Number 05-123-22002-00 Well Number: 10-14

Well Name: WARNER

Location: QtrQtr: NWSE Section: 14 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: 40.136260 Longitude: -104.741960

GPS Data:
Date of Measurement: 09/12/2006 PDOP Reading: 2.5 GPS Instrument Operator's Name: Steve Fisher

Reason for Abandonment: Dry Production Sub-economic Mechanical Problems

Other _____

Casing to be pulled: Yes No Estimated Depth: 2000

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	7606	7624			
J SAND	8012	8052			
NIOBRARA	7338	7470			

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	1,036	375	1,036	0	VISU
1ST	7+7/8	4+1/2	11.6	8,160	520	8,160	3,160	CBL

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 7940 with 2 sacks cmt on top. CIBP #2: Depth 7280 with 25 sacks cmt on top.
CIBP #3: Depth 4407 with 2 sacks cmt on top. CIBP #4: Depth 600 with 25 sacks cmt on top.
CIBP #5: Depth 80 with 25 sacks cmt on top.

NOTE: Two(2) sacks cement required on all CIBPs.

Set 25 sks cmt from 7280 ft. to 6930 ft. Plug Type: CASING Plug Tagged:
Set 100 sks cmt from 2100 ft. to 1800 ft. Plug Type: OPEN HOLE 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 300 sacks half in. half out surface casing from 1600 ft. to 986 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. _____ 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: 1/24/2019 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: McCoy, Diane Date: 2/14/2019

CONDITIONS OF APPROVAL, IF ANY: _____

Expiration Date: 8/13/2019

COA Type	Description
	1) Provide 48 hour notice of plugging MIRU via electronic Form 42. 2) Properly abandon flowlines per Rule 1105. File electronic Form 42 once abandonment of on-location flowlines complete. Within 30 days of an operator completing abandonment requirements for an off-location flowline or crude oil transfer line the operator must submit a Flowline Report, Form 44. 3) Please submit gyro survey data with Form 6 Subsequent Report of Abandonment.
	Operator shall implement measures to control venting, to protect health and safety, and to ensure that vapors and odors from well plugging operations do not constitute a nuisance or hazard to public welfare.
	Prior to starting plugging operations a bradenhead test shall be performed if there has not been a reported bradenhead test within the 60 days immediately preceding the start of plugging operations. 1) If, before opening the bradenhead valve, the beginning pressure is greater than 25 psi, sampling is required. 2) If pressure remains at the conclusion of the test, or if any liquids were present during the test, sampling is required. The Form 17 shall be submitted within 10 days of the test. Sampling shall comply with Operator Guidance - Bradenhead Testing and Reporting Instructions. If samples are collected, copies of all final laboratory analytical results shall be provided to the COGCC within three (3) months of collecting the samples. If there is a need for sampling, contact COGCC engineering for verification of plugging procedure.
	Submit Operator's Monthly Production Reports (Form 7) required for compliance with Rule 309 within 30 days -Missing production reports from 9/2014 and 10/2016

Attachment Check List

Att Doc Num	Name
401917499	FORM 6 INTENT SUBMITTED
401917504	PROPOSED PLUGGING PROCEDURE
401917505	WELLBORE DIAGRAM

Total Attach: 3 Files

General Comments

User Group	Comment	Comment Date
Engineer	Deepest water well within one mile = 920' Ensure aquifers are isolated as part of this plugging. DWR's aquifer evaluation tool lists the depth of the Laramie-Fox Hills from 915' to 622' and the Lower Arapahoe from 218' to 153'.	02/14/2019
Well File Verification	Pass	02/01/2019
Permit	Verified as drilled lat/long Verified completed intervals (2510639)	01/28/2019

Total: 3 comment(s)