

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 05-123-09928-00 Well Number: 2
 Well Name: HUDSON KERSEY RANCH
 Location: QtrQtr: NENW Section: 12 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: 40.156724 Longitude: -104.616549
 GPS Data:
 Date of Measurement: 03/15/2006 PDOP Reading: 2.8 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: 560
 Fish in Hole: Yes No If yes, explain details below
 Wellbore has Uncemented Casing leaks: Yes No If yes, explain details below
 Details: Fish likely 20' of tubing, mill and packer
 Niobrara/Codell have a retainer/cement top
 Stage Cement is actually 1.1, 1.2, 1.3, 1.4, 1.5 and 1.6

Current and Previously Abandoned Zones

Formation	Perf. Top	Perf. Btm	Abandoned Date	Method of Isolation	Plug Depth
SUSSEX	4486	4514			
NIOBRARA	6844	6960	10/26/2012	RETAINER/SQUEEZED	6608
CODELL	7086	7100	10/26/2012	RETAINER/SQUEEZED	6608
J SAND	7530	7590	02/22/2010	BRIDGE PLUG	7232
Total: 4 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	615	450	615	0	VISU
1ST	7+7/8	4+1/2	11.6	7,745	200	7,745	6,770	CBL
S.C. 1.1				6,714	100	6,720	6,350	CBL
S.C. 1.2				4,652	300	4,656	4,510	CBL
S.C. 2.1				800	100	800	598	CBL
S.C. 2.2				1,834	300	1,834	1,250	CBL
S.C. 3.1				4,275	50	4,275	3,640	CALC
S.C. 1.3				4,284	100	4,284	4,090	CBL

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 4400 with 2 sacks cmt on top. CIBP #2: Depth 80 with 25 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 _____ 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 _____ 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 90 sacks half in. half out surface casing from 1320 ft. to 510 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 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: 12/4/2018 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: Jacobson, Eric Date: 3/4/2019

<u>COA Type</u>	<u>Description</u>
	Operator to submit Gyro survey run on 03/20/2014 as indicated on submitted plugging procedure with the Form 6 SROA.
	CBL to be run prior to plugging to verify existing cement coverage - submit to COGCC for verification of plugging orders.
	<p>If there has not been a reported Bradenhead test within 60 days of plugging this well, prior to starting plugging operations, a Bradenhead test shall be performed.</p> <p>1) If, before opening the Bradenhead valve, the beginning pressure is greater than 25 psi, sampling is required.</p> <p>2) If pressure remains at the conclusion of the test, or if any liquids were present during the test, sampling is required.</p> <p>3) If sampling is required contact COGCC engineering for a confirmation of plugging requirements prior to placing any plugs.</p> <p>Sampling shall comply with Operator Guidance - Bradenhead Testing and Reporting Instructions.</p> <p>The Form 17 shall be submitted within 10 days of the test.</p>
	<p>1) Provide 48 hour notice of plugging MIRU via electronic Form 42.</p> <p>2) Prior to placing the 1,320' plug: verify that all fluid migration (liquid or gas) has been eliminated. If evidence of fluid migration or pressure remains, contact COGCC Engineer for an update to plugging orders.</p> <p>3) After isolation has been verified, pump plug and displace. If cement is not circulated to surface, shut-in, WOC 4 hours then tag plug – must be at 565' or shallower and provide 10 sack plug at surface.</p> <p>4) Leave at least 100' of cement in the wellbore for each plug.</p> <p>5) Properly abandon on-location flowlines as per Rule 1105. File electronic Form 42 once abandonment is 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.</p>
	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.

Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
401857001	FORM 6 INTENT SUBMITTED
401857285	PROPOSED PLUGGING PROCEDURE
401857286	WELLBORE DIAGRAM

Total Attach: 3 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Engineer	Deepest Water Well within 1 Mile – 600' SB5 Base of Fox Hills - 686'	03/04/2019
Well File Verification	Pass	12/06/2018
Permit	Pass	12/04/2018
Permit	Operator confirmed correct data on form 6. Operator will submit an updated 5A.	12/04/2018
Permit	Returned to draft. According to our records the top of the Nio perms were reported as 6700.	12/03/2018

Total: 5 comment(s)