

Document Number:
 402138086
 Date Received:
 08/08/2019

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: Doreen Green
 Name of Operator: KERR MCGEE OIL & GAS ONSHORE LP Phone: (970) 336-3555
 Address: P O BOX 173779 Fax: _____
 City: DENVER State: CO Zip: 80217- Email: doreen.green@anadarko.com
For "Intent" 24 hour notice required, Name: _____ Tel: _____
COGCC contact: Email: _____

API Number 05-123-20354-00 Well Name: HSR-STATE Well Number: 15-16A
 Location: QtrQtr: SWSE Section: 16 Township: 3N Range: 66W Meridian: 6
 County: WELD Federal, Indian or State Lease Number: 72/3102-S
 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: 40.219318 Longitude: -104.780050
 GPS Data:
 Date of Measurement: 07/19/2019 PDOP Reading: 1.7 GPS Instrument Operator's Name: Pat McClure
 Reason for Abandonment: Dry Production 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: _____

Current and Previously Abandoned Zones

Formation	Perf. Top	Perf. Btm	Abandoned Date	Method of Isolation	Plug Depth
J SAND	7816	7860	07/03/2019	B PLUG CEMENT TOP	7725

Total: 1 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	584	420	584	0	VISU
1ST	7+7/8	4+1/2	11.6	7,950	225	7,950	6,580	CBL

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 7725 with 2 sacks cmt on top. CIBP #2: Depth 7025 with 25 sacks cmt on top.
 CIBP #3: Depth 80 with 38 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 25 sks cmt from 7025 ft. to 6586 ft. Plug Type: CASING Plug Tagged:
 Set 11 sks cmt from 4365 ft. to 4171 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 4505 ft. with 59 sacks. Leave at least 100 ft. in casing 4365 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 297 sacks half in. half out surface casing from 1260 ft. to 120 ft. Plug Tagged:
 Set 38 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: 1160 ft. of 4+1/2 inch casing Cut and Cap Date: 07/19/2019
 *Wireline Contractor: PIONEER *Cementing Contractor: BASIC
 Type of Cement and Additives Used: _____
 Flowline/Pipeline has been abandoned per Rule 1105 Yes No *ATTACH JOB SUMMARY

Technical Detail/Comments:

ADDITIONAL PERFS AT 4305

I hereby certify all statements made in this form are, to the best of my knowledge, true, correct, and complete.

Signed: _____ Print Name: Doreen Green
 Title: Analyst Date: 8/8/2019 Email: doreen.green@oxy.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: McFarland, Nick Date: 10/10/2019

CONDITIONS OF APPROVAL, IF ANY:

COA Type	Description

Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
402138086	FORM 6 SUBSEQUENT SUBMITTED
402138160	CEMENT JOB SUMMARY
402138162	GYRO SURVEY
402138163	WIRELINE JOB SUMMARY
402138275	OPERATIONS SUMMARY
402138279	WELLBORE DIAGRAM

Total Attach: 6 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Engineer	Form 17 filed; 1 psi on bradenhead down to 0. 48 hour ops notice filed. 42 filed for flowline abandonment. Form 7 reporting PA status. GPS location appears accurate on maps. Zones and casing history are consistent with approved intent. Procedure, WBD and tickets are consistent.	10/10/2019

Total: 1 comment(s)