

Document Number:
401014539

Date Received:
03/24/2016

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: Montoya, John Tel: (970) 397-4124

COGCC contact: Email: john.montoya@state.co.us

API Number 05-123-27014-00

Well Name: PIONEER Well Number: 27-15

Location: QtrQtr: NWNE Section: 15 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: 40.142519 Longitude: -104.645347

GPS Data:
Date of Measurement: 05/21/2009 PDOP Reading: 2.7 GPS Instrument Operator's Name: CODY MATTSO

Reason for Abandonment: Dry Production Sub-economic Mechanical Problems
 Other _____

Casing to be pulled: Yes No Estimated Depth: 1400

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	7271	7287			
NIOBRARA	7040	7129			

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	824	520	824	0	VISU
1ST	7+7/8	4+1/2	11.6	7,477	590	7,477	3,000	CBL

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 6950 with 25 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 25 sks cmt from 6950 ft. to 6520 ft. Plug Type: CASING Plug Tagged:
Set 45 sks cmt from 4740 ft. to 4170 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 280 sacks half in. half out surface casing from 1500 ft. to 774 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 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: 3/24/2016 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: 4/1/2016

CONDITIONS OF APPROVAL, IF ANY: _____

Expiration Date: 9/30/2016

COA Type	Description
	<p>1) Provide 48 hour notice of plugging MIRU via electronic Form 42.</p> <p>2) Properly abandon flowlines as per Rule 1103. File electronic Form 42 once abandonment complete.</p> <p>3) Note- stub plug is also shoe plug. After pumping stub/shoe plug, shut down and wait on cement at minimum 4 hours. Check surface casing pressure, if pressure remains call COGCC for an update to plugging orders in order to verify gas migration has been eliminated. Plug must be tagged at 774' or shallower. Leave at least 100' cement in the casing for each plug.</p>
	<p>The operator will collect both production and bradenhead gas samples for laboratory analysis of gas composition and stable carbon isotopes. The compositional analysis at a minimum shall include Hydrogen, Argon, Oxygen, Carbon Dioxide, Nitrogen, Carbon Monoxide, Methane, Ethene, Ethane, Propene, Propane, Isobutane, Butane, Isopentane, Pentane, Hexanes +, Specific Gravity and British Thermal Units (BTU). Stable carbon isotope analysis shall include delta DC1, delta 13C1, delta 13C2, delta 13C3, delta 13C4, delta 13NC4, delta 13C5 (If Possible), delta 13NC5 (If Possible), delta 13C6+ (If Possible). And stable isotopes of CO2 if possible (delta 13 CO2 and Delta 18O CO2).</p> <p>If water is present in the bradenhead operators shall collect production and bradenhead water samples for laboratory analysis of Volatile Organic Compounds (VOCs) via EPA Method 8260 or similar and for Semi volatile Organic Compounds (SVOCs) via EPA method 8270 or similar. In addition, operator shall have the samples analyzed for the major cations and anions so that an evaluation of the water source may be conducted. The analysis shall include Na, K, Ca and Mg for cations and sulfate, chloride, bromide and total alkalinity (including bicarbonate, carbonate and total alkalinity) for anions, plus a measurement of total dissolved solids. Field water analysis should be carried out according to API RP 45. Below is the list of measurements that should be carried out immediately in the field after collecting a sample of oilfield waters: pH, Temperature, Alkalinity, Dissolved oxygen, CO2, H2S, Total and soluble iron, Turbidity on an unfiltered sample, Total suspended solids with at least primary filtration and washing performed in the field, Bacteria with filtering and/or culturing in the field and incubation and counting performed in the laboratory</p> <p>Copies of all final laboratory analytical results shall be provided to the COGCC within three (3) months of collecting the samples. The analytical results shall be submitted to the COGCC in an approved electronic data deliverable format.</p>

Attachment Check List

Att Doc Num	Name
401014539	FORM 6 INTENT SUBMITTED
401014546	PROPOSED PLUGGING PROCEDURE
401014547	WELLBORE DIAGRAM

Total Attach: 3 Files

General Comments

User Group	Comment	Comment Date
Public Room	Document verification complete 03/29/16	3/29/2016 9:56:50 AM

Total: 1 comment(s)