

Document Number:  
400741303

Date Received:  
11/26/2014

**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: Precup, Jim Tel: (303) 726-3822

**COGCC contact:** Email: james.precup@state.co.us

API Number 05-123-19788-00 Well Number: 22-24

Well Name: JOHNSTON

Location: QtrQtr: SENW Section: 24 Township: 1N Range: 68W 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: 40.038150 Longitude: -104.953560

GPS Data:  
Date of Measurement: 04/03/2007 PDOP Reading: 3.0 GPS Instrument Operator's Name: Paul Tappy

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

Other \_\_\_\_\_

Casing to be pulled:  Yes  No Estimated Depth: 1500

Fish in Hole:  Yes  No If yes, explain details below

Wellbore has Uncemented Casing leaks:  Yes  No If yes, explain details below

Details: Previous squeeze holes are at 7900' and 6900'. There is also a DV tool at 5222'.

**Current and Previously Abandoned Zones**

Formation	Perf. Top	Perf. Btm	Abandoned Date	Method of Isolation	Plug Depth
J SAND	8280	8302			

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	1,152	700	1,152	0	VISU
1ST	7+7/8	5+1/2	17	8,420	255	8,420	8,010	CBL
S.C. 1.1				7,950	200	7,950	6,842	CBL
			Stage Tool	5,280	130	5,280	4,800	CBL

## Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 8230 with 135 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 80 sks cmt from 5510 ft. to 4800 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:

Set \_\_\_\_\_ sks cmt from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Plug Type: \_\_\_\_\_ Plug Tagged:

Perforate and squeeze at 4660 ft. with 120 sacks. Leave at least 100 ft. in casing 4430 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 230 sacks half in. half out surface casing from 1600 ft. to 950 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:

5 MIRU, kill as necessary using clean fresh water with biocide. ND WH. NU BOP. Unseat landing jt, LD.  
 6 TOOH and SB 2 3/8" production tubing (262 jts landed @ 8264'). Note: Expected holes in tubing. Spot tubing trailer with ~140 joints of 2 3/8" workstring, although the amount of bad tubing is unknown.  
 7 MIRU WL. RIH with junk basket and gauge ring for 5 1/2" 17#/ft casing to 8250'. POOH. Set CIBP at 8230' (collars @ 8199' & 8245') to abandon J sand perms. RD WL.  
 8 MIRU hydrotester. Hydrotest 2 3/8" tubing down to 8230'. Expected holes in tubing. Tag CIBP and pick up 5'. Pressure test CIBP to 1000 psi.  
 9 RU Cementers. Pump Niobrara/J sand Balanced Plug: 135 sx (187 cuft) "G" w/ 20% silica flour, 0.4% CD-32, 0.4% ASA-301 and R-3 to achieve 2:30 pump time, mixed at 15.8 ppg and 1.38 cuft/sx. The plug will cover 8230' to 6800'. Volume based on 1430' inside 5 1/2" production casing with no excess. Note: squeeze holes at 7900' and 6900'.  
 10 PUH to 6600' and circulate tubing clean to ensure no cement is left in the tubing.  
 11 PUH to 5300', LD remainder.  
 12 RU Cementers. Pump Balanced Plug: 80 sx (92 cuft) Class "G" cement with 0.4% CD-32, 0.4% ASA-301 mixed at 15.8 ppg and 1.15 cuft/sx. The plug will cover 5510' - 4800', covering the DV tool at 5222'.  
 13 PUH to 4700' and circulate tubing clean to ensure no cement is left in the tubing. P&SB 4430', LD remainder.  
 14 MIRU WL. Tag cement at 4800'. PU and RIH with 2-1' 3-3/8" perf guns with 3 spf, 0.73" EHD, 120° phasing. Shoot 1' of squeeze holes at 4660' and 4400'. RD WL.  
 15 PU 5 1/2" CICR and RIH on 2 3/8" tubing to set CICR at 4430'. Establish circulation with fresh water treated with biocide.  
 16 RU Cementers. Pump 20 bbl sodium metasilicate and a 5 bbl water spacer to establish injection and circulation. Pump Sussex Suicide: 120 sx (138 cuft) Class "G" cement with 0.25 pps cello flake, 0.4% CD-32, 0.4% ASA-301 mixed at 15.8 ppg and 1.15 cuft/sx. Underdisplace by 3 bbls and unstring from CICR spotting at least 100' cement on top of squeeze holes. The plug will cover 4660' - 4400'. Volume based on 260' in 9" OH from caliper with 20% excess, 360' in 5 1/2" production casing with no excess. RDMO cementers.  
 17 PUH to 4200' and circulate to ensure no cement left in the tubing.  
 18 P & SB 1600' of tubing, LD remainder.  
 19 RU WL. RIH and cut casing at 1500'. RDMO WL.  
 20 Circulate with fresh water containing biocide to remove any gas.  
 21 Unland casing. NDBOP, NDTH. Install BOP on casing head with 5 1/2" pipe rams.  
 22 POOH with 1500' of 5 1/2" casing, LD. Remove 5 1/2" pipe rams and install 2 3/8" pipe rams.  
 23 RIH with 2 3/8" tubing to 1600'.  
 24 MIRU Cementers. Preceed cement with 10 bbl (min) SAPP followed by a 20 bbl fresh water spacer. Pump Stub Plug: 230 sx (306 cuft) Type III w/ cello flake and CaCl2 as deemed necessary, mixed at 14.8 ppg and 1.33 cuft/sx (100' in 5 1/2" production casing with no excess, 348' in 9" OH from caliper with 40% excess, 202' in 8 5/8" surface csg with no excess). The plug will cover 1600' - 950'. RD cementers.  
 25 Pull up to 200' and circulate tubing clean using fresh water treated with biocide. TOOH.  
 26 WOC per cement company recommendation. Tag cement. Cement top needs to be above 952'.  
 27 MIRU WL. RIH 8 5/8" CIBP to 80'. Set and pressure test to 1000 psi for 15 minutes. RDMO WL and WO rig.  
 28 Instruct cementing and wireline contractors to e-mail copies of all job logs/job summaries to rscDJVendors@anadarko.com within 24 hrs of completion of the job.  
 29 Supervisor submit paper copies of all invoices, logs, and reports to Joleen Kramer.  
 30 Excavation crew to notify One Call to clear excavation area around wellhead and for flowlines.  
 31 Excavate hole around surface casing enough to allow welder to cut casing minimum 5' below ground level.  
 32 Welder cut casing minimum 5' below ground level.  
 33 Fill casing to surface using 4500 psi compressive strength cement, (NO gravel).  
 34 Spot weld on steel marker plate. Marker should contain Well

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: 11/26/2014 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: SCHLAGENHAUF, MARK Date: 5/10/2015

CONDITIONS OF APPROVAL, IF ANY: Expiration Date: 11/9/2015

**COA Type**

**Description**

	1) Submit Form 42 electronically to COGCC 48 hours prior to MIRU. 2) If unable to pull casing contact COGCC for plugging modifications. 3) For 1600' plug: pump plug and displace, shut-in, WOC 4 hours and tag plug – must be 1100' or shallower. 4) Properly abandon flowlines as per Rule 1103. File electronic Form 42 once abandonment complete. 5) Please submit gyro survey data with Form 6 (s) Subsequent Report of Abandonment.
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## Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
400741303	FORM 6 INTENT SUBMITTED
400741320	PROPOSED PLUGGING PROCEDURE
400741323	WELLBORE DIAGRAM

Total Attach: 3 Files

## General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Well Completion Report dated 2/7/2000.	12/11/2014 10:02:04 AM

Total: 1 comment(s)