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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: PRECUP, JIM Tel: (303) 726-3822  
**COGCC contact:** Email: james.precup@state.co.us

API Number 05-123-15926-00 Well Number: 34-13  
 Well Name: WELD COUNTY  
 Location: QtrQtr: SWSE Section: 13 Township: 2N Range: 67W 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: 40.133570 Longitude: -104.835430  
 GPS Data: Date of Measurement: 06/23/2006 PDOP Reading: 3.3 GPS Instrument Operator's Name: Steve Fisher  
 Reason for Abandonment:  Dry  Production for Sub-economic  Mechanical Problems  
 Other \_\_\_\_\_  
 Casing to be pulled:  Yes  No Estimated Depth: 1310  
 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	7832	7852			

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	609	340	609	0	VISU
1ST	7+7/8	4+1/2	11.6	7,963	680	4,188	4,188	CBL

## Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 7775 with 2 sacks cmt on top. CIBP #2: Depth 7100 with 30 sacks cmt on top.  
CIBP #3: Depth 100 with 30 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 30 sks cmt from 7100 ft. to 6710 ft. Plug Type: CASING Plug Tagged:   
Set 80 sks cmt from 5060 ft. to 4120 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 330 sacks half in. half out surface casing from 1410 ft. to 410 ft. Plug Tagged:   
Set \_\_\_\_\_ 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:

WELD COUNTY 34-13

- 1 Call foreman or lead operator at least 24 hr prior to rig move. Request that they catch and remove the plunger, isolate production equipment and remove any automation prior to rig showing up. Install perimeter fence as needed.
- 2 MIRU slickline services and VES. Pull bumper spring, tag bottom and run gyro survey from 7950' to surface with stops every 100'. Forward gyro survey data to Sabrina Frantz and invoices to Sabrina Frantz. RDMO slickline services and VES.
- 3 Provide notice of MIRU to COGCC field inspector as specified in approved Form 6.
- 4 Notify IOC when rig mobilizes to location to generate workorder for flowline removal and one call for line locates.
- 5 Prepare location for base beam equipped rig.
- 6 MIRU, kill as necessary using clean fresh water with biocide and circulate. ND WH. NU BOP. Unseat landing jt, LD.
- 7 Notify cementers to be on call. Provide volumes (30 sx "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 cf/sk (inside 4.5"), 80 sx class "G", 0.4% CD-32, 0.4% ASA-301 mixed at 15.8 ppg and 1.15 cf/sx (inside 4.5")); 330 sx Type III CaCl2 cement mixed at 14.0 ppg and 1.53 cf/sx (7.875"+60%).
- 8 TOOH 2 3/8" production tubing. Stand back.
- 9 MIRU WL.
- 10 RIH gauge ring for 4.5" 11.6#/ft csg to 7800'.
- 11 RIH CIBP, set at 7775'. PT CIBP to 1000 psi. PU dump bailer, dump bail 2 sx class "G" cement on CIBP.
- 12 RIH CIBP, set at 7100'. PT CIBP to 1000 psi. RD WL
- 13 TIH to 7100'+/- tag CIBP hydrotesting tubing in to 3000 psi. Roll hole using water containing biocide.
- 14 RU cement services.
- 15 Spot 30 sx "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 cf/sk on top of CIBP.
- 16 PUH 15 stands. Reverse circulate 50 BBL water containing biocide to clear tubing.
- 17 Place 9.0 ppg mud containing biocide from 6170' to 5060' (~18BBL).
- 18 PUH to 5060'.
- 19 RU cement services.
- 20 Spot 80 sx class "G", 0.4% CD-32, 0.4% ASA-301 mixed at 15.8 ppg and 1.15 cuft/sx.
- 21 PUH 25 stands. Reverse circulate 30 BBL water containing biocide to clear tubing.
- 22 TOOH. WOC 4 hrs.
- 23 TIH and tag. If cement is below 4120', discuss with production engineer.
- 24 Place 9.0 ppg mud containing biocide from tag to 1410' (~42BBL).
- 25 P&SB 1410' tbg. LD remainder.
- 26 RU WL. Crack coupling or shoot off casing at 1310'. RDMO WL. Circulate hole using 110 BBL water containing biocide to remove any gas.
- 27 NDBOP, NDTH.
- 28 NU BOP on casing head, install 4-1/2" pipe rams.
- 29 TOOH with 4-1/2" casing, LD.
- 30 TIH into csg stub using production tubing to 1410'.
- 31 Spot 330 SX Type III CaCl2 cement mixed at 14.0 ppg and 1.53 cuft/sx.
- 32 PUH to 150'. Circulate 20 BBLs water containing biocide to clear tubing.
- 33 TOOH. WOC 4 hrs.
- 34 TIH and tag. If cement is below 410', discuss with production engineer.
- 35 Fill casing with 9.0 ppg mud containing biocide from tag to 100'.
- 36 MIRU WL. RIH 8-5/8" CIBP to 100'. Set, PT to 1000 psi for 15 min. If tests, RDMO WL and WO rig.
- 37 Supervisor submit paper copies of all invoices, logs, and reports to Frantz, Sabrina.
- 38 Excavation crew to notify One Call to clear excavation area around wellhead and for flowlines.
- 39 Excavate hole around surface casing enough to allow welder to cut 8 5/8" casing minimum 5' below ground level.
- 40 Welder cut 8 5/8" casing minimum 5' below ground level.
- 41 MIRU ready cement mixer. Use 4500psi compressive strength cement, (NO gravel) fill stubout.
- 42 Weld on steel marker plate. Marker should contain Well name, Well number, legal location (1/4 1/4 descriptor) and API number
- 43 Properly abandon flowlines per Rule 1103.
- 44 Back fill hole with fill. Clean location, level.
- 45 Submit Form 6 to COGCC ensuring to provide "As performed" WBD identifying operations completed.

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: 12/3/2013 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: 12/6/2013

**CONDITIONS OF APPROVAL, IF ANY:** \_\_\_\_\_ Expiration Date: 6/5/2014

<u>COA Type</u>	<u>Description</u>
	1) Submit Form 42 electronically to COGCC 48 hours prior to MIRU. 2) If unable to pull casing, contact COGCC for plugging modifications. 3) Leave at least 100' cement in the wellbore for each plug. 4) For 1410' plug: pump plug and displace, shut-in, WOC 4 hours and tag plug – must be 559' or shallower. 5) Properly abandon flowlines as per Rule 1103.

**Attachment Check List**

<u>Att Doc Num</u>	<u>Name</u>

Total Attach: 0 Files

**General Comments**

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Well completion report dated 11/12/1992.	12/6/2013 9:27:24 AM

Total: 1 comment(s)