

Document Number:  
400594588

Date Received:  
04/23/2014

**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: JOHNSON, RANDELL Tel: (303) 815-9641

**COGCC contact:** Email: randell.johnson@state.co.us

API Number 05-123-19965-00 Well Number: 11-3A

Well Name: HSR-GIBLER

Location: QtrQtr: NESW Section: 3 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: 40.169056 Longitude: -104.879539

GPS Data:  
Date of Measurement: 10/21/2008 PDOP Reading: 3.4 GPS Instrument Operator's Name: Cody Mattson

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

Casing to be pulled:  Yes  No Estimated Depth: 1220

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	7944	7968			

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	730	515	730	0	VISU
1ST	7+7/8	4+1/2	11.6	8,062	330	8,062	6,347	CBL
			Stage Tool	5,190	430	5,248	3,653	CBL

## Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 7880 with 2 sacks cmt on top. CIBP #2: Depth 7190 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 7190 ft. to 6790 ft. Plug Type: CASING Plug Tagged:   
Set 95 sks cmt from 5200 ft. to 4160 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 275 sacks half in. half out surface casing from 1320 ft. to 530 ft. Plug Tagged:

Set 23 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:

GIBBLER 11-3A - PROCEDURE

- 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. Pull bumper spring and tag bottom. Run pressure bomb and obtain pressure gradient survey from surface to \*halfway between top and bottom perms of producing formation\* making gradient stops every 1000'. Forward pressure bomb results to Evans Engineering. RDMO slickline services
- 3 MIRU slickline services and VES. Run gyro survey from 7870' to surface with stops every 100'. Forward gyro survey data to Sabrina Frantz and invoices to Sabrina Frantz. RDMO slickline services and VES.
- 4 Provide notice of MIRU to COGCC field inspector as specified in approved Form 6.
- 5 Notify IOC when rig mobilizes to location to generate workorder for flowline removal and one call for line locates.
- 6 Prepare location for base beam equipped rig.
- 7 MIRU, kill as necessary using clean fresh water with biocide and circulate. ND WH. NU BOP. Unseat landing jt, LD.
- 8 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"), 95 sx class "G", 0.4% CD-32, 0.4% ASA-301 mixed at 15.8 ppg and 1.15 cf/sx; 275 sx Type III CaCl2 cement mixed at 14.0 ppg and 1.53 cf/sx (7.875"+60%)).
- 9 TOO H 2 3/8" production tubing. Stand back.
- 10 MIRU WL.
- 11 RIH gauge ring for 4.5" 11.6#/ft csg to 7900'.
- 12 RIH CIBP, set at 7880'. PU dump bailer, dump bail 2 sx class "G" cement on CIBP.
- 13 RIH CIBP, set at 7190'. PT CIBP to 1000 psi. RD WL
- 14 TIH to 7190'+/- tag CIBP hydrotesting tubing in to 3000 psi. Roll hole using water containing biocide.
- 15 RU cement services.
- 16 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.
- 17 PUH 15 stands. Reverse circulate 48 BBL (2x tubing volume) water containing biocide to clear tubing.
- 18 PUH to 5200'.
- 19 RU cement services.
- 20 Spot 95 sx class "G", 0.4% CD-32, 0.4% ASA-301 mixed at 15.8 ppg and 1.15 cuft/sx.
- 21 PUH 28 stands. Reverse circulate 27 BBL (2x tubing volume) water containing biocide to clear tubing.
- 22 TOO H. WOC 4 hrs.
- 23 TIH and tag. If cement is below 4160', discuss with production engineer.
- 24 P&SB 1320' tbg. LD remainder.
- 25 RU WL. Crack coupling or shoot off casing at 1220'. RDMO WL. Circulate hole using 95 BBL water containing biocide to remove any gas.
- 26 NDBOP, NDTH.
- 27 NU BOP on casing head, install 4-1/2" pipe rams.
- 28 TOO H with 4-1/2" casing, LD.
- 29 TIH into csg stub using production tubing to 1320'.
- 30 Spot 275 SX Type III CaCl2 cement mixed at 14.0 ppg and 1.53 cuft/sx.
- 31 PUH to 200'. Circulate 25 BBLs water containing biocide to clear tubing and casing.
- 32 TOO H. WOC 4 hrs.
- 33 TIH and tag. If cement is below 530', discuss with production engineer. TOO H.
- 34 MIRU WL. RIH 8-5/8" CIBP to 100'. Set, PT to 1000 psi for 15 min. If tests, RDMO WL and WO rig.
- 35 Instruct cementing and wireline contractors to e-mail copies of all job logs/job summaries and invoices to rscDJVendors@anadarko.com within 24 hrs of the completion of the job. This does not include uploading bond logs to the COGCC. That procedure has not changed.
- 36 Supervisor submit paper copies of all invoices, logs, and reports to Joleen Kramer.
- 37 Excavation crew to notify One Call to clear excavation area around wellhead and for flowlines.
- 38 Excavate hole around surface casing enough to allow welder to cut 8 5/8" casing minimum 5' below ground level.
- 39 Welder cut 8 5/8" casing minimum 5' below ground level.
- 40 MIRU ready cement mixer. Use 4500psi compressive strength cement, (NO gravel) fill stubout.
- 41 Weld on steel marker plate. Marker should contain Well name, Well number, legal location (1/4 1/4 descriptor) and API number

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: 4/23/2014 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: 4/30/2014

CONDITIONS OF APPROVAL, IF ANY: \_\_\_\_\_ Expiration Date: 10/29/2014

<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) For 1320' plug: pump plug and displace. Wait 4 hours then tag plug – must be 680' 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.

### Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
400594588	FORM 6 INTENT SUBMITTED
400594591	PROPOSED PLUGGING PROCEDURE
400594592	WELLBORE DIAGRAM

Total Attach: 3 Files

### General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Well Completion report dated 4/13/2001.	4/25/2014 9:18:38 AM

Total: 1 comment(s)