

**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.

Document Number:  
400594573

Date Received:  
04/24/2014

OGCC Operator Number: 96155 Contact Name: Sonia Stephens

Name of Operator: WHITING OIL AND GAS CORPORATION Phone: (303) 928-7128

Address: 1700 BROADWAY STE 2300 Fax: (303) 218-5678

City: DENVER State: CO Zip: 80290 Email: regulatory@petro-fs.com

**For "Intent" 24 hour notice required,** Name: Rains, Bill Tel: (970) 590-6480

**COGCC contact:** Email: bill.rains@state.co.us

API Number 05-123-23302-00

Well Name: MADDY Well Number: 2

Location: QtrQtr: SESW Section: 31 Township: 10N Range: 57W Meridian: 6

County: WELD Federal, Indian or State Lease Number: \_\_\_\_\_

Field Name: WILDCAT Field Number: 99999

Notice of Intent to Abandon       Subsequent Report of Abandonment

*Only Complete the Following Background Information for Intent to Abandon*

Latitude: 40.790500 Longitude: -103.795793

GPS Data:  
Date of Measurement: 09/21/2009 PDOP Reading: 1.9 GPS Instrument Operator's Name: NEAL MCCORMICK

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

Other Re-Plug and abandon

Casing to be pulled:  Yes     No    Estimated Depth: 5200

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	6304	6309	10/20/2010	B PLUG CEMENT TOP	6284

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	214	150	214	0	
1ST	7+7/8	4+1/2	11.6	6,416	150	6,416	5,406	CBL

## Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth \_\_\_\_\_ with \_\_\_\_\_ sacks cmt on top. CIBP #2: Depth \_\_\_\_\_ with \_\_\_\_\_ 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 60 sks cmt from 5000 ft. to 5200 ft. Plug Type: OPEN HOLE Plug Tagged:   
 Set 60 sks cmt from 700 ft. to 900 ft. Plug Type: OPEN HOLE 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 85 sacks half in. half out surface casing from 275 ft. to \_\_\_\_\_ 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:

##### Re-Plug and Abandon Procedure

1. Notify COGCC at least 48-hours prior to the start of operations using a Form 42. Verify with James Kopp that this is completed prior to moving the rig in.
2. Take GPS coordinates of exposed wellhead. Send information to:  
James Kopp James.Kopp@whiting.com 303.357.1410
3. MIRU Bayou Rig. Mob-in pump, swivel, tank, and 2-7/8" PH-6 workstring.
4. MIRU wireline company. PU jet cutter tool and NU lubricator. RIH w/ jet cutter to 5,200' and cut 4-1/2" production casing. POOH with jet cutter tool. ND lubricator and LD jet cutter tool. RDMO wireline company.
5. PU and POOH with 4-1/2" casing. Inspect casing ang LD. Send good casing to yard.
6. NU-7-1/16" 5K BOP w/ 2-7/8" pipe rams on top and blind rams on bottom, pressure test high and low. PU 2-7/8" workstring and TIH to 5,200'. Load hole with fresh water.
7. MIRU cement crew. Pressure test surface lines to 2,000psi. Mix and pump 60sks, API Class G, 1.15 cu-ft/sk, 15.8 ppg cement, balancing plug at 5,200'. TOOH with 2-7/8" worksting standing back. Let cement cure overnight.
8. TIH with 2-7/8" workstring. Tag TOC with EOT, record depth.
9. PU to 800' FS. MIRU cement crew. Pressure test surface lines to 2,000psi. Mix and pump 60sks, API Class G, 1.15 cu-ft/sk, 15.8 ppg cement, balancing plug at 800'KB. TOOH with 2-7/8" workstring standing back. Let cement cure overnight.
10. TIH with 2-7/8" workstring. Tag TOC with EOT, record depth.
11. PU to 275' FS. MIRU cement crew. Pressure test surface lines to 2,000psi. Mix and pump 85sks, API Class G, 1.15 cu-ft/sk, 15.8 ppg cement, balancing plug from 275' KB to surface. TOOH with 2-7/8" worksting, LD on float.
12. Cut off WH to 5' below GL and fill hole.
13. Weld on cap with plugging inforamtion plate. Backfill cellar.
14. RDMO rig and equipment.
15. Reclaim disturbed surface.

Pictures and Access agreement are attached as " Other"

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

Signed: \_\_\_\_\_ Print Name: Sonia Stephens  
Title: Regulatory Technician Date: 4/24/2014 Email: regulatory@petro-fs.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: SUTPHIN, DIRK Date: 4/30/2014

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

<b>COA Type</b>	<b>Description</b>
	Note changes to submitted form. 1) Provide 48 hour notice of MIRU via electronic Form 42. 2) Tag existing CIBP + 2 sx cement at 6284'. If no tag set new CIBP + 2 sx at 6230'. 3) If operator is unable to pull casing as planned at 5200' contact COGCC engineer for modified plugging orders. Depending on where casing can be pulled set Niobrara plug elsewhere in the Pierre shale. Set as deep as possible. Avoid setting plug in sandy interval 3200-3400'. 4) Submit Form 42(s) - OFFSET MITIGATION COMPLETED, in accordance with DJ Basin Horizontal Offset Policy. 5) Submit Form 6 – Subsequent Report of Abandonment within 30 days of plugging in accordance with Rule 311.

### **Attachment Check List**

<b>Att Doc Num</b>	<b>Name</b>
400594573	FORM 6 INTENT SUBMITTED
400594595	SURFACE OWNER CONSENT
400594597	WELLBORE DIAGRAM
400594599	LOCATION PHOTO
400594600	WELLBORE DIAGRAM
400595475	PROPOSED PLUGGING PROCEDURE

Total Attach: 6 Files

### **General Comments**

<b>User Group</b>	<b>Comment</b>	<b>Comment Date</b>
Engineer	Changes made to submitted form: Corrected sks for surface casing. Added production casing info that was missing. Added existing CIBP + 2 sx cmt at 6284' per WBD and MIT on file. Pulling casing at 5200'.	4/30/2014 11:36:10 AM
Permit	This well was never plugged by original oper. Added J sand zone. Casing tab not complete.	4/28/2014 9:19:57 AM

Total: 2 comment(s)