

FORM
6Rev
12/05

State of Colorado

Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203 Phone: (303) 894-2100 Fax: (303) 894-2109



DE ET OE ES

Replug By Other Operator

Document Number:

400592088

Date Received:

04/18/2014

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: 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 05-123-09986-00

Well Name: BUSH

Well Number: 1

Location: QtrQtr: NWNW Section: 15 Township: 10N Range: 58W 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: 40.843924

Longitude: -103.858897

GPS Data:

Date of Measurement: 09/20/1980

PDOP Reading: 0.0

GPS Instrument Operator's Name:

Reason for Abandonment: ☐ Dry☐ Production for Sub-economic☐ Mechanical Problems☒ Other Re-enter to Re-plugCasing to be pulled: ☐ Yes☐ No

Estimated Depth:

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

Total: 0 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	249	65	249	0	

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 5800 ft. to 5600 ft. Plug Type: OPEN HOLE Plug Tagged: ☒
Set 60 sks cmt from 2100 ft. to 1900 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 140 sacks half in. half out surface casing from 450 ft. to 0 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 well location. 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. 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 full gauge 7-7/8" bit & TIH on 2-7/8" tubing.
 4. Drill out existing cement plugs down to approximately 250 ftKB.
 5. Clean out to approximately 6,000 ftKB.
 6. Once depth has been reached, TOOH with 2-7/8" workstring standing back.
 7. MIRU gyro equipment. PU tools and RIH while logging down to 6,000 ftKB. POOH while logging, LD tools.
 8. MIRU wireline crew. PU Logging tools and & NU pack-off or lubricator. RIH w/ logging tools to 6,000 ftKB. Log full length of wellbore. POOH, ND pack-off or lubricator and LD tools. Send data to Denver office for review. Onsite Whiting geologist to review logging data and verify sidewall core sample intervals.
 9. PU sidewall rotary coring tools and NU pack-off or lubricator. RIH w/ coring tools to first interval verified by Whiting geologist and core 10 intervals uphole. POOH, ND pack-off lubricator & LD tools. Verify that all core samples were successfully collected. RD wireline crew.
 10. MIRU cement crew. Pressure test surface lines to 2,000psi. Mix and pump 60sks, API Class G, 1.15 cu-ft/sk, 15.8ppg cement, balancing plug at 5,800 ftKB. TOOH with 2-7/8" workstring standing back. Let cement cure overnight.
 11. TIH with 2-7/8" workstring. Tag TOC with EOT, record depth.
 12. MIRU cement crew. Pressure test surface lines to 2,000psi. Mix and pump 60 sks, API Class G, 1.15 cu-ft/sk, 15.8 ppg cement, balancing plug at 2,000 ftKB. TOOH with 2-7/8" workstring standing back. Let cement cure overnight.
 13. TIH with 2-7/8" workstring. Tag TOC with EOT, record depth.
 14. MIRU cement crew. Pressure test surface lines to 2,000psi. Mix and pump 100 sks, API Class G, 1.15 cu-ft/sk, 15.8 ppg cement, balancing plug from 325 ftKB to surface. TOOH with 2-7/8" workstring, LD on float.
 15. Cut off WH to 5' below GL and fill hole.
 16. Weld on cap with plugging information plate. Backfill cellar.
 17. Reclaim disturbed surface.
- Access letter and Pictures 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: 4/18/2014 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: 4/24/2014

CONDITIONS OF APPROVAL, IF ANY: _____ Expiration Date: 10/23/2014

COA Type	Description
	1) As built GPS coordinates will be provided on the form 6, SRA. 2) Operator will submit a Form 42 - Offset Mitigation Completed for the re-plugged well, referencing the API Number of the proposed horizontal well. 3) Operator will submit a Form 4 to report date Final Reclamation will commence. Final reclamation should begin as soon as practicable.
	Note changes to submitted form: Increased depth of shoe plug to 460', due to base of Fox Hills aquifer @ 410'. 1) Provide 48 hour notice of MIRU via electronic Form 42. 2) Submit Form 42(s) - OFFSET MITIGATION COMPLETED, in accordance with DJ Basin Horizontal Offset Policy. 3) Submit Form 6 – Subsequent Report of Abandonment within 30 days of plugging in accordance with Rule 311. 4) Provide well location GPS coordinates on Subsequent Report of Abandonment in accordance with COGCC As-Built Location Policy and Rule 215. 5) If operator is unable to set 1st cement plug at depth proposed contact COGCC engineer to set plug elsewhere in Pierre shale. Set as deep as possible.

Attachment Check List

Att Doc Num	Name
400592088	FORM 6 INTENT SUBMITTED
400592126	WELLBORE DIAGRAM
400592127	WELLBORE DIAGRAM
400592132	SURFACE OWNER CONSENT
400592133	PROPOSED PLUGGING PROCEDURE
400592134	LOCATION PHOTO

Total Attach: 6 Files

General Comments

User Group	Comment	Comment Date
Permit	Final Rec Inspection #500165020 sub. 2/1997 in well file.	4/21/2014 8:16:58 AM

Total: 1 comment(s)