

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

Document Number:

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Date Received:

10/08/2014

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: James Kopp

Name of Operator: WHITING OIL AND GAS CORPORATION

Phone: (303) 357-1410

Address: 1700 BROADWAY STE 2300

Fax: (303) 390-4292

City: DENVER State: CO Zip: 80290

Email: james.kopp@whiting.com

For "Intent" 24 hour notice required,

Name: Rains, Bill

Tel: (970) 590-6480

COGCC contact:

Email: bill.rains@state.co.us

API Number 05-123-39885-00

Well Name: Horsetail

Well Number: 19N-1924M

Location: QtrQtr: SWSE Section: 19 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: 40.818860

Longitude: -103.794243

GPS Data:

Date of Measurement: 09/18/2014

PDOP Reading: 2.8

GPS Instrument Operator's Name: Larry Brown

Reason for Abandonment: ☐ Dry ☐ Production for Sub-economic ☐ Mechanical Problems☒ Other Inadequate primary cement job on the 7" casingCasing to be pulled: ☐ Yes ☒ No

Estimated Depth:

Fish in Hole: ☐ Yes ☒ No If yes, explain details belowWellbore 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
CONDUCTOR	24	16	42.09	109	0	109	0	VISU
SURF	13+1/2	9+5/8	36.00	1,564	665	1,564	0	VISU
1ST	8+3/4	7	29.00	9,328	1,390	9,328	9,070	CBL

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth _____ with _____ sacks cmt on top. CIPB #2: Depth _____ with _____ sacks cmt on top.
CIBP #3: Depth _____ with _____ sacks cmt on top. CIPB #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 _____ 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: ☐
Set _____ sks cmt from _____ ft. to _____ ft. Plug Type: _____ Plug Tagged: ☐

Perforate and squeeze at 8940 ft. with 50 sacks. Leave at least 100 ft. in casing 8840 CICR Depth

Perforate and squeeze at 7710 ft. with 50 sacks. Leave at least 100 ft. in casing 7610 CICR Depth

Perforate and squeeze at 7150 ft. with 50 sacks. Leave at least 100 ft. in casing 7050 CICR Depth

(Cast Iron Cement Retainer Depth)

Set 10 sacks half in. half out surface casing from 50 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:

Perforate and squeeze at 6600 ft. with 50 sacks. Leave at least 100ft. in casing 6500 CICR Depth (Cast Iron Cement Retainer)
Perforate and squeeze at 6110 ft. with 50 sacks. Leave at least 100ft. in casing 6010 CICR Depth (Cast Iron Cement Retainer)
Perforate and squeeze at 5370 ft. with 50 sacks. Leave at least 100ft. in casing 5270 CICR Depth (Cast Iron Cement Retainer)
Perforate and squeeze at 1610 ft. with 50 sacks. Leave at least 100ft. in casing 1510 CICR Depth (Cast Iron Cement Retainer)
Perforate and squeeze at 750 ft. with 110 sacks. Leave at least 100ft. in casing 650 CICR Depth (Cast Iron Cement Retainer)

Whiting will be plugging and abandoning the original Horsetail 19N-1924M wellbore due to an inadequate primary cement job on the 7" casing.

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

Signed: _____ Print Name: Elvera Berryman

Title: Engineering Technician Date: 10/8/2014 Email: elvera.berryman@whiting.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: 10/10/2014

CONDITIONS OF APPROVAL, IF ANY: _____ Expiration Date: 4/9/2015

COA Type

Description

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Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
400700251	FORM 6 INTENT SUBMITTED
400700333	WELLBORE DIAGRAM
400703370	PROPOSED PLUGGING PROCEDURE
400703439	WELLBORE DIAGRAM

Total Attach: 4 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Engineer	1) Provide 48 hour notice of MIRU via electronic Form 42. 2) Tag shoe plug 50' above surface casing shoe. 3) Cement from 50' to surface in production casing and surface/production annulus.	10/10/2014 4:09:08 PM

Total: 1 comment(s)