

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:

400372253

Date Received:

01/21/2013

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: 100185

Contact Name: Erin Hochstetler

Name of Operator: ENCANA OIL & GAS (USA) INC

Phone: (720) 876-5827

Address: 370 17TH ST STE 1700

Fax:

City: DENVER State: CO Zip: 80202-

Email: erin.hochstetler@encana.com

For "Intent" 24 hour notice required,

Name: PRECUP, JIM

Tel: (303) 726-3822

COGCC contact:

Email: james.precup@state.co.us

API Number 05-123-09716-00

Well Name: STARKS

Well Number: 1

Location: QtrQtr: SWSW Section: 30 Township: 2N Range: 64W 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: 40.105797

Longitude: -104.598866

GPS Data:

Date of Measurement: 03/05/2009

PDOP Reading: 1.7

GPS Instrument Operator's Name: rthomas

Reason for Abandonment: ☐ Dry ☒ Production for Sub-economic ☐ Mechanical Problems☐ OtherCasing 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
J SAND	7618	7652			

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	200	225	200	0	CALC
1ST	7+7/8	4+1/2	11.6	7,761	225	7,761	6,830	CBL

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 7550 with 55 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 50 sks cmt from 950 ft. to 0 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: ☐
Set _____ sks cmt from _____ ft. to _____ ft. Plug Type: _____ Plug Tagged: ☐

Perforate and squeeze at 4530 ft. with 150 sacks. Leave at least 100 ft. in casing _____ CICR Depth

Perforate and squeeze at 6800 ft. with 100 sacks. Leave at least 100 ft. in casing _____ CICR Depth

Perforate and squeeze at 950 ft. with 50 sacks. Leave at least 100 ft. in casing _____ CICR Depth

(Cast Iron Cement Retainer Depth)

Set _____ sacks half in. half out surface casing from _____ 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:

PxA Procedure

1. Per COGCC requirements, provide 24 hour notice of MIRU to Mike Hickey at 970-302-1024 or e-mail at Mike.Hickey@state.co.us.
2. Hold pre-job safety meeting. Identify any safety concerns and discuss prior to beginning job.
3. MIRU pulling unit. Blow down well.
4. POOH w/ tubing and plunger.
5. MIRU wireline crew. MIRU cementers.
6. PU 10K CIBP and set @ 7550' (70' above Jsand Perfs). Set cement plug on CIBP to 6850' (55 sxs)
7. RIH w/ squeeze guns. Shoot 4 squeeze holes at 4530'.
8. RIH w/ tubing. Pump 150 sxs (volume of 750' annular fill). Leave 10 sxs in casing.
9. Pull uphole with tubing while reverse circulating 9 ppg mud.
10. RIH w/ squeeze guns. Shoot 4 squeeze holes at 950'.
11. RIH w/ tubing. Attempt to establish circulation and remove anjel (per COGCC not adequate seal). If unable, move to step 12.
12. Pump until cement at surface. Cement 950' to surface in casing. Move to step 14.
13. Pick up 1-1/4" tubing (1st joint should have angled pin end). Lower into well and tag top of anjel. Pump cement until cement at surface.
14. Cut off casing 4' below ground level and weld on plate. (NOTE: Follow OSHA trenching rules and shoring guidelines to cut casing).
15. Remove surface equipment and abandon flowlines as per Rule 1103.

Cement Detail:

Class G Neat: 15.8 ppg / 1.15 cu ft/sk

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

Signed: _____

Print Name: Erin Hochstetler

Title: Permitting Technician

Date: 1/21/2013

Email: erin.hochstetler@encana.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: HOLLINSHEAD, RYAN

Date: 1/23/2013

CONDITIONS OF APPROVAL, IF ANY:

Expiration Date: 7/22/2013

- 1) Provide 48-hour notice of MIRU to Jim Precup at (303) 726-3822.
- 2) Provide an "As Plugged" wellbore diagram identifying the specific plugging completed.
- 3) Cement isolation is required in both the casing and annular space 1) from the TOC (6830') to 200' above the Niobrara formation (6652') and 2) from 950' to the bottom of the angel pumped at 738'. Please see the revisions to the plugging orders to add these plugs.
- 4) For the surface casing shoe plug, if not circulated to surface, tag plug, it must be at least 150' or higher, and a surface plug must be provided.
- 5) Properly abandon flowlines as per Rule 1103.
- 6) See plugging changes above.

Attachment Check List

Att Doc Num	Name
400372253	FORM 6 INTENT SUBMITTED
400372300	WELLBORE DIAGRAM
400372301	WELLBORE DIAGRAM

Total Attach: 3 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Well completion or recompletion doc. # 570925 dated 12/24/1979	1/22/2013 5:31:46 AM

Total: 1 comment(s)