

Document Number:
401576582

Date Received:
03/29/2018

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: 10633 Contact Name: Renee Kendrick

Name of Operator: CRESTONE PEAK RESOURCES OPERATING LLC Phone: (303) 309-1931

Address: 1801 CALIFORNIA STREET #2500 Fax: _____

City: DENVER State: CO Zip: 80202 Email: renee.kendrick@crestonepr.com

For "Intent" 24 hour notice required, Name: Gomez, Jason Tel: (970) 573-1277

COGCC contact: Email: jason.gomez@state.co.us

API Number 05-123-19209-00

Well Name: VESSELS MINERALS Well Number: 19-15

Location: QtrQtr: SWSE Section: 19 Township: 1N Range: 68W 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: 40.031368 Longitude: -105.044225

GPS Data:
Date of Measurement: 03/22/2010 PDOP Reading: 2.5 GPS Instrument Operator's Name: bstoeppel

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

Casing to be pulled: Yes No Estimated Depth: 1800

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
CODELL	7834	7852			
J SAND	8277	8292			

Total: 2 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	883	385	883	0	VISU
1ST	7+7/8	4+1/2	11.6	8,400	400	8,400	6,459	CBL

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 8210 with 2 sacks cmt on top. CIBP #2: Depth 7340 with 2 sacks cmt on top.
CIBP #3: Depth 600 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 75 sks cmt from 1600 ft. to 1800 ft. Plug Type: OPEN HOLE Plug Tagged:
Set 25 sks cmt from 0 ft. to 60 ft. Plug Type: CASING Plug Tagged:
Set 30 sks cmt from 600 ft. to 500 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:
Perforate and squeeze at 4400 ft. with 50 sacks. Leave at least 100 ft. in casing 4380 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 125 sacks half in. half out surface casing from 700 ft. to 1100 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. _____ inch casing Plugging Date: _____
of _____
*Wireline Contractor: _____ *Cementing Contractor: _____
Type of Cement and Additives Used: _____
Flowline/Pipeline has been abandoned per Rule 1105 Yes No *ATTACH JOB SUMMARY

Technical Detail/Comments:

J Sand perf top does not match the scout card. Per CPR Production Engineer correct J Sand perf top is at 8277' see doc ID# 58604 on file with COGCC.

Procedure

1. Submit electronic Form 42 to COGGC 48 hours prior to performing Form 17 Bradenhead Test.
2. Perform Form 17 Bradenhead Test and sample for gas, water, and oil if not performed in the last 60 days, or if a new test is required by Form 6 COA.
3. Submit electronic Form 42 to COGGC 48 hours prior to MIRU. Notify surface land and community relations 1 week prior to MIRU.
4. Submit form for Ground Disturbance Permit. Get One Call.
5. Rig supervisor to notify Automation and Production Department. Confirm with engineer that surface land and community relations have been notified.
6. Hold a pre-job safety meeting. Discuss all aspects of the procedure with any involved personnel. Identify and address any safety concerns before the job begins.
7. Contact surveyor to acquire as-built surface location if not already done.
8. MIRU workover unit. ND wellhead, NU BOP.
9. TOOH w/tubing.
10. RIH with wireline and set CIBP @ ~ 8210' (50-100' of top J Sand perf, between collars). POOH.
11. RIH w/dump bailer & dump 2 sx G Neat cmt on top of CIBP. POOH with dump bailer.
12. RIH with wireline and set CIBP @ ~ 7340' (50-100' of top of Niobrara, between collars). POOH. Pressure test to 500 psi.
13. RIH w/dump bailer & dump 2 sx G Neat cmt on top of CIBP. POOH with dump bailer.
14. ND 7-1/16" BOP and wellhead. NU 11" BOP on surface casing. RU casing tongs and pipe wrangler.
15. Cut 4-1/2" casing at 1800' with jet cutter. Pull casing with spear to first joint, remove casing slips. Establish circulation.
16. Spot 75 sx balanced G Neat stub plug. Trip out of hole laying down casing to 1100'.
17. Do not proceed if any evidence of fluid migration or pressure remains. (If any evidence of fluid migration or pressure remains, another cement plug is to be set prior to shoe plug to eliminate fluid migration and pressure.)
18. Spot 125 sx balanced 14.6 ppg Type III shoe blend cement plug (Type III w/0.3% CFL-3 + 0.3% CFR-2 + 0.4%CF-41P + 0.25 lb/sx cello flake, 1.38 yield) 700'-1100'.
19. TOOH, laying down remainder of 4-1/2" casing.
20. TIH and set CIBP above tag depth and spot 2 bbl cmt on top & pressure test to 200 psi. TOOH to ~60'
21. Spot balanced Type III cement plug from 60' to surface. TOOH laying down all tubing. Top off as necessary.
22. Contact EHS to FLIR wellhead to confirm no gas leaks/vapors. Safe FLIR video in wellfile.
23. Contact Production Department to coordinate LOTO and disconnect flowlines at separator. Flush flowline with freshwater. Leave dry. Notify Integrity Department to properly abandon flowlines as per Rule 1103.
24. ND BOP, RDMO pulling unit.
25. Per ground disturbance procedure/policy, excavate around wellhead. Notify Environmental Department for surface review and inspection while digging.
26. Cut off casing 4 ft below ground level.
27. Weld on metal plate and dry hole marker.
28. Restore surface location.
29. Ensure all pressure charts, CBLs, cement and wireline tickets are emailed to the office for subsequent reporting. Emails shall be sent to Production Engineer, Workover Coordinator, and Production Technician.
30. Submit Form 6 Subsequent Report of Abandonment documenting the P&A to COGCC.

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

Signed: _____ Print Name: Renee Kendrick
Title: Regulatory Coordinator Date: 3/29/2018 Email: renee.kendrick@crestonepr.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: Wolfe, Stephen Date: 5/19/2018

CONDITIONS OF APPROVAL, IF ANY: _____ Expiration Date: 11/18/2018

COA Type	Description
	<p>Venting Operator shall implement measures to control unnecessary and excessive venting, to protect the health and safety of the public, and to ensure that vapors and odors from well plugging operations do not constitute a nuisance or hazard to public welfare.</p>
	<p>Bradenhead Testing</p> <ul style="list-style-type: none"> • Prior to the start of plugging operations, a bradenhead test shall be performed and reported if there has not been a reported bradenhead test within the 60 days immediately preceding the start of plugging operations. • If any of the following conditions exist then sampling of all fluids is required and sampling methods shall comply with Operator Guidance – Bradenhead Testing and Reporting Instructions, Appendix A: Liquid and Gas Sampling as found on the COGCC website, cogcc.state.co.us. <ol style="list-style-type: none"> 1) The initial pressure measurement on the bradenhead is greater than 25 psi, prior to blowing down any liquid or gas from the bradenhead valve, or 2) Pressure remains at the conclusion of the test, or 3) Any liquids are present anytime during the test. If so, then stop the test as soon as liquids are present and sample before resuming the test. • Form 17 Bradenhead Test Report shall be submitted within 10 days of the test. • If samples are collected, copies of all final laboratory analytical results shall be provided to the COGCC within three (3) months of collecting the samples.
	<p>Plugging</p> <ul style="list-style-type: none"> • Provide 48 hour notice of plugging MIRU via electronic Form 42. • COGCC Change: Add 50 sx squeeze at 4400'. • COGCC Change: Move CIBP from 650' to 600', place 30 sx of cement on it, aquifer coverage. • Due to the history of surface casing pressure, operator must wait 8 hrs after pumping open hole stub plug at 1800', tag and check for fluid migration or shut-in pressure on the well. Contact COGCC Engineer for revised plugging orders if well is not static at this time prior to continuing with plugging operations. • Any plug or squeeze pumped to isolate pressure downhole will require an 8 hr shut-in period for the well to stabilize before checking for fluid migration or shut-in pressure on the well. Contact COGCC Engineer for revised plugging orders if well is not static at this time, prior to continuing with plugging operations. • Check for fluid migration or shut-in pressure on the well prior to pumping any plug (open hole, annular or casing) that isolates deepest aquifer or the surface casing shoe (whichever is deeper). Contact COGCC Engineer for revised plugging orders if well is not static at this time, prior to continuing with plugging operations. • Tag required if the shoe plug, or combined stub/shoe plug, is not circulated to the surface and top of cement must be 50' into the shoe, or 50' above the stub, whichever is shallower. • Place a 50' plug (minimum) at the surface, both inside the inner most casing and in all annular spaces. All other cement plugs, without mechanical isolation, shall have at least 100' of cement left in the casing. • Properly abandon flowlines as per Rule 1105. File electronic Form 42 once abandonment complete. Within 30 days of an operator completing abandonment requirements for an off-location flowline or crude oil transfer line the operator must submit a Flowline Report, Form 44.

Attachment Check List

Att Doc Num	Name
401576582	FORM 6 INTENT SUBMITTED
401578822	WELLBORE DIAGRAM
401578826	PROPOSED PLUGGING PROCEDURE

Total Attach: 3 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Engineer	SB5 551-152 L-FH WW 801 39	04/24/2018
Agency	Return to draft for completion of Zones tab.	03/22/2018
Permit	•Corrected top of J Sand interval per Doc#s58604 and Doc#58627. •Permitting Review Complete.	03/21/2018
Public Room	Pass	03/21/2018

Total: 4 comment(s)