FORM 6 Rev 05/18

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: 401849122

Date Received:

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: John Gardner

Name of Operator: CRESTONE PEAK RESOURCES OPERATING LLC Phone: (303) 774-3969

Address: 1801 CALIFORNIA STREET #2500 Fax:

City: DENVER State: CO Zip: 80202 Email: john.gardner@crestonepr.com

For "Intent" 24 hour notice required, COGCC contact: Name: Beardslee, Tom Tel: (970) 420-3935 Email: tom.beardslee@state.co.us

API Number 05-123-33314-00

Well Name: Ross Well Number: 11-19

Location: QtrQtr: SWNW Section: 19 Township: 2N 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: 40.125797 Longitude: -105.052523

GPS Data:

Date of Measurement: 03/26/2012 PDOP Reading: 2.6 GPS Instrument Operator's Name: Pat Linderholm

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

☐ Other

Casing to be pulled: ☒ Yes ☐ No Estimated Depth: 2000

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	7704	7721			
J SAND	8144	8174			
NIOBRARA	7487	7502			

Total: 3 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	840	320	840	0	CALC
1ST	7+7/8	4+1/2	11.6	8,268	690	8,268	4,080	CBL

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 8070 with 2 sacks cmt on top. CIPB #2: Depth 7350 with 2 sacks cmt on top.

CIBP #3: Depth 80 with 0 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 30 sks cmt from 4550 ft. to 4155 ft. Plug Type: CASING Plug Tagged: ☐

Set 75 sks cmt from 2000 ft. to 1804 ft. Plug Type: OPEN HOLE Plug Tagged: ☐

Set 20 sks cmt from 80 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: ☐

Perforate and squeeze at 2500 ft. with 75 sacks. Leave at least 100 ft. in casing 2485 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 75 sacks half in. half out surface casing from 900 ft. to 699 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 1105 ☐ Yes ☐ No *ATTACH JOB SUMMARY

Technical Detail/Comments:

Procedure
1. Perform Form 17 Bradenhead Test and sample for gas, water, and oil per COGCC Regulation. (not required if Bradenhead Test has been completed within 60 days of plugging operations.)
2. Contact surveyor to acquire as-built surface location.
3. Submit electronic Form 42 to COGGC 48 hours prior to MIRU.
4. Submit form for Ground Disturbance Permit. Get One Call.
5. Notify Automation and Production Department. Production to check pressures, retrieve plunger equipment and blow down well.
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. MIRU workover unit. Blow down well.
8. ND wellhead. NU BOPE.
9. Un-land tubing and TOOH w/tubing.
10. MIRU wireline.
11. RIH w/ CIBP on wireline. Set CIBP at ~8,070' (within 50'-100' of the top of the J-Sand at 8,139', between collars).
12. RIH w/ wireline and dump bail 2 sx cement on top of CIBP. POOH.
13. RIH w/ CIBP on wireline. Set CIBP at ~7,350' (within 50'-100' of the top of the Niobrara at 7,418', between collars).
14. RIH w/ wireline and dump bail 2 sx cement on top of CIBP. POOH. Pressure test plug to 500 psi. If pressure test fails, contact engineering for next steps.
15. TIH with tubing to 4550'
16. Pump and spot a balanced cement plug from 4,550' to 4155'. TOOH.
17. RIH w/ perforating gun. Perforate squeeze holes at 2,500'. POOH.
18. PU CICR with tubing and TIH to 2,485'. Set CICR. Unsting and pressure test tubing. Sting into CICR and establish injection.
19. Pump 75 sx Class G cement. Leave 1 bbl (5 sx) on top of CICR. Roll hole clean. Ensure there are no signs of pressure, hydrocarbons or fluid migration. Contact office for next steps, if there is any evidence.
20. ND 7 1/16" BOP and wellhead. NU 11" BOP on surface casing. RU casing tongs and pipe wrangler.
21. RIH with casing jet cutter on wireline. Cut 4 ½" casing at 2,000. POOH with wireline. Pull casing with spear to first joint, remove casing slips. Establish circulation.
22. Pump and spot 75 sx Class G balance stub plug from 2,000' to 1,804'. Trip out of hole to 900'. Roll hole. Ensure there is no sign of hydrocarbons. If evidence is found, contact engineering. Due to previous history of bradenhead pressure, wait on cement for 8 hours. If circulation was not maintained, then the plug must be tagged after WOC.
23. Pump 75 sx Class G or Type III cement (mixed with sufficient accelerant to achieve a 4-hour set time) to spot a balanced plug across surface casing shoe. TOC will be approximately 699'. TOOH laying down all casing. Wait on cement long enough to ensure cement is set sufficiently to obtain a good tag and pressure test.
24. TIH w/ tubing and tag cement top. Per COGCC guidelines, cement top must be at 761' or higher. Report top to engineering. Pressure test plug to 250 psi. TOOH.
25. PU 8-5/8" CIBP. TIH and set @ 80'. Blow hole dry with rig compressor. TOOH. LD all tubing.
26. ND BOP. Install casing cap w/ relief valve.
27. Disconnect flowline from separator and connect to junk tank placed at the battery.
28. Flush flowline with treated fresh water then blow dry with rig compressor. Prepare flowline for removal by construction department.
29. RDMO pulling unit. Clean up location. Label all equipment to be sent to the yard with the well name.
30. MIRU top off truck, water truck and compressor.
31. RIH with plastic tubing to CIBP at 80'.
32. Reverse circulate with 20 sx cement from 80' to surface. Top off well and annular spaces as needed.
33. RDMO top off equipment.
34. Per ground disturbance procedure/policy, excavate around wellhead. Notify Environmental Department for surface review and inspection while digging.
35. Contact EHS to scan WH with FLIR to confirm well is plugged with no gas at surface. Save FLIR photo in well file.
36. Cut off casing 4 ft below ground level.
37. Weld on metal plate and dry hole marker.
38. Remove flowlines and backfill holes.

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

Signed: _____ Print Name: John Gardner

Title: Sr Env Specialist Date: _____ Email: john.gardner@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: _____ Date: _____

CONDITIONS OF APPROVAL, IF ANY: Expiration Date: _____

COA Type	**Description**

Attachment Check List

Att Doc Num	Name
401849127	PROPOSED PLUGGING PROCEDURE
401849128	WELLBORE DIAGRAM

Total Attach: 2 Files

General Comments

User Group	Comment	Comment Date
		Stamp Upon Approval

Total: 0 comment(s)