

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
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Document Number:

401639421

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: 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 05-123-19880-00

Well Name: BANGERT

Well Number: 32-19

Location: QtrQtr: NWSE Section: 19 Township: 2N Range: 66W 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: 40.122198

Longitude: -104.817067

GPS Data:

Date of Measurement: 05/13/2009

PDOP Reading: 1.8

GPS Instrument Operator's Name: PLinderholm

Reason for Abandonment:

☐ Dry☒ Production Sub-economic☐ Mechanical Problems☐ OtherCasing 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
J SAND	8112	8118			

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	750	600	750	0	CALC
1ST	7+7/8	4+1/2	11.6	8,245	260	8,245	6,550	CBL
			Stage Tool	4,902	175	4,902	3,884	CBL

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 8050 with 2 sacks cmt on top. CIBP #2: Depth 7200 with 2 sacks cmt on top.
CIBP #3: Depth 80 with 0 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 <u>55</u> sks cmt from <u>4955</u> ft. to <u>4235</u> ft.	Plug Type: <u>CASING</u>	Plug Tagged: <input type="checkbox"/>
Set <u>75</u> sks cmt from <u>2000</u> ft. to <u>1742</u> ft.	Plug Type: <u>OPEN HOLE</u>	Plug Tagged: <input type="checkbox"/>
Set <u>20</u> sks cmt from <u>80</u> ft. to <u>0</u> ft.	Plug Type: <u>CASING</u>	Plug Tagged: <input type="checkbox"/>
Set _____ sks cmt from _____ ft. to _____ ft.	Plug Type: _____	Plug Tagged: <input type="checkbox"/>
Set _____ sks cmt from _____ ft. to _____ ft.	Plug Type: _____	Plug Tagged: <input type="checkbox"/>

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 50 sacks half in. half out surface casing from 800 ft. to 625 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:

Procedure

1. Submit electronic Form 42 to COGCC 48 hours prior to performing Form 17 Bradenhead Test. (not required if Bradenhead Test has been completed within 60 days of plugging operations.)
2. Perform Form 17 Bradenhead Test and sample for gas, water, and oil per COGCC Regulation.
3. Contact surveyor to acquire as-built surface location.
4. Submit electronic Form 42 to COGCC 48 hours prior to MIRU.
5. Submit form for Ground Disturbance Permit. Get One Call.
6. Notify Automation and Production Department. Production to check pressures, retrieve plunger equipment and blow down well.
7. 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.
8. MIRU workover unit. Blow down well.
9. ND wellhead. NU BOPE.
10. Un-land tubing and TOO H w/tubing.
11. MIRU wireline. PU gyro tool.
12. RIH with gyro tool, recording station data every 100' from surface to 7,900'.
13. POOH and LD gyro tool.
14. RIH w/ CIBP on wireline. Set CIBP at ~8,050' (within 50'-100' of the top J-Sand perf at 8,112', between collars).
15. RIH w/ wireline and dump bail 2 sx cement on top of CIBP. POOH.
16. RIH w/ CIBP on wireline. Set CIBP at ~7,200' (within 50'-100' of the top Niobrara at 7,250', between collars).
17. RIH w/ wireline and dump bail 2 sx cement on top of CIBP. POOH. Pressure test plug to 500 psi. Hold pressure for 15 min. Chart pressure on 1,000 psi pressure chart. POOH with wireline.
18. TIH w/ tubing to 4,955'.
19. Pump 55 sx Glass G balanced plug from 4,995' to 4,235'. TOO H w/ tubing.
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 1/2" 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 1,742'. Trip out of hole to 800'. Roll hole. Ensure there is no sign of hydrocarbons. If evidence is found, contact engineering. If circulation is not maintained then tag the plug after WOC.
23. Pump 50 sx Class G or Type III spot balanced plug across surface casing shoe. Pump wiper plug ahead of cement to ensure water does not mix with cement. TOC will be approximately 625'. TOO H laying down all casing. Wait on cement for 4 hours.
24. TIH w/ tubing and tag cement top. Report top to engineering. Pressure test casing to 250 psi. TOO H.
25. PU 8-5/8" CIBP. TIH and set @ 80'. Blow hole dry with rig compressor. TOO H. 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.
30. MIRU top off truck, water truck and air compressor.
31. Pull vacuum on tubing with water truck. Blow backside dry with air compressor to ensure hole is dry.
32. RIH w/ plastic tubing to CIBP at 80'.
33. Top off well with 25 sx cement from 80' to surface.
34. RDMO top off equipment.
35. Per ground disturbance procedure/policy, excavate around wellhead. Notify Environmental Department for surface review and inspection while digging.
36. Contact EHS to scan WH with FLIR to confirm well is plugged with no gas at surface. Save FLIR photo in well file.
37. Cut off casing 4 ft below ground level.
38. Weld on metal plate and dry hole marker.
39. Remove flowlines and backfill holes.
40. Notify Integrity Department to properly abandon flowlines as per Rule 1103. File electronic Form 42 once abandonment is complete.
41. Restore surface location.
42. Ensure all pressure charts, cement and wireline tickets are emailed to the Denver office for subsequent reporting. Emails shall be sent to Production Engineer, Workover Coordinator, and Production Technician.
43. Submit Form 6 Subsequent

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: _____

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: _____

Date: _____

CONDITIONS OF APPROVAL, IF ANY: _____

Expiration Date: _____

COA Type

Description

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Attachment Check List

Att Doc Num

Name

401639455	PROPOSED PLUGGING PROCEDURE
401639458	WELLBORE DIAGRAM

Total Attach: 2 Files

General Comments

User Group

Comment

Comment Date

		Stamp Upon Approval
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Total: 0 comment(s)