

FORM
6Rev
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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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@cresronepr.com
For "Intent" 24 hour notice required, Name: Silver, Randy Tel: (720) 827-6688	
COGCC contact: Email: randy.silver@state.co.us	

API Number 05-123-18786-00	Well Number: 1
Well Name: HETTINGER 'C' UNIT	
Location: QtrQtr: NENE Section: 30 Township: 3N 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: 40.200728	Longitude: -104.588109
GPS Data:	
Date of Measurement: 06/04/2009	PDOP Reading: 1.5
GPS Instrument Operator's Name: PLinderholm	
Reason for Abandonment: <input type="checkbox"/> Dry <input checked="" type="checkbox"/> Production Sub-economic <input type="checkbox"/> Mechanical Problems	
<input type="checkbox"/> Other	
Casing to be pulled: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Estimated Depth: 2000
Fish in Hole: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes, explain details below
Wellbore has Uncemented Casing leaks: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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	7033	7040			
J SAND	7501	7562			
NIOBRARA	6792	6948			
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	665	320	665	0	
1ST	7+7/8	4+1/2	11.6	7,637	370	7,637	4,104	CBL

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 7490 with 2 sacks cmt on top. CIPB #2: Depth 6700 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 <u>50</u> sks cmt from <u>4500</u> ft. to <u>3841</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>1804</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 100 sacks half in. half out surface casing from 715 ft. to 200 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 COGCC 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 TOO H w/tubing.
10. MIRU wireline.
11. RIH w/ CIBP on wireline. Set CIBP at ~7,490' (within 50'-100' of the top of the J-Sand at 7,500', 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 ~6,700 (within 50'-100' of the top of the Niobrara at 6,757, 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 w/ tubing to 4,500'.
16. Pump 50 sx Class G balanced plug from 4,500 to 3,841 to cover Sussex squeeze. TOO H.
17. ND 7 1/16" BOP and wellhead. NU 11" BOP on surface casing. RU casing tongs and pipe wrangler.
18. 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.
19. Pump and spot 75 sx Class G balance stub plug from 2,000' to 1,804'. Trip out of hole to 715'. Roll hole. Ensure there is no sign of hydrocarbons. If evidence is found, contact engineering. If circulation was not maintained, then the plug must be tagged after WOC.
20. Pump 100 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 200'. TOO H laying down all casing. Wait on cement long enough to ensure cement is set sufficiently to obtain a good tag and pressure test.
21. TIH w/ tubing and tag cement top. Report top to engineering. Pressure test plug to 250 psi. TOO H.
22. PU 8-5/8" CIBP. TIH and set @ 80'. Blow hole dry with rig compressor. TOO H. LD all tubing.
23. ND BOP. Install casing cap w/ relief valve.
24. Disconnect flowline from separator and connect to junk tank placed at the battery.
25. Flush flowline with treated fresh water then blow dry with rig compressor. Prepare flowline for removal by construction department.
26. RDMO pulling unit. Clean up location. Label all equipment to be sent to the yard with the well name.
27. MIRU top off truck, water truck, air compressor
28. RIH with plastic tubing at CIBP at 80'.
29. Reverse circulate with 20 sx of cement from 80' to surface. Top off well and annular spaces as needed.
30. RDMO top off equipment.
31. Per ground disturbance procedure/policy, excavate around wellhead. Notify Environmental Department for surface review and inspection while digging.
32. Contact EHS to scan WH with FLIR to confirm well is plugged with no gas at surface. Save FLIR photo in well file.
33. Cut off casing 4 ft below ground level.
34. Weld on metal plate and dry hole marker.
35. Remove flowlines and backfill holes.
36. Notify Integrity Department to properly abandon flowlines as per Rule 1103. File electronic Form 42 once abandonment is complete.
37. Restore surface location.
38. Ensure all rig tickets, pressure charts, cement and wireline tickets are saved to the electronic well files on the shared drive for subsequent reporting.
39. 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: John Gardner

Title: Sr Env Specialist

Date: _____

Email: john.gardner@cresronepr.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

401840330	PROPOSED PLUGGING PROCEDURE
401840331	WELLBORE DIAGRAM

Total Attach: 2 Files

General Comments

User Group

Comment

Comment Date

		Stamp Upon Approval
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Total: 0 comment(s)