

**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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## SUNDRY NOTICE

Submit a signed original. This form is to be used for general, technical and environmental sundry information. For proposed or completed operations, describe in full in Comments or provide as an attachment. Identify Well by API Number; identify Oil and Gas Location by Location ID Number; identify other Facility by Facility ID Number.

OGCC Operator Number:	10633	Contact Name	Toby Sachen
Name of Operator:	CRESTONE PEAK RESOURCES OPERATING LLC		Phone: (720) 410-8536
Address:	1801 CALIFORNIA STREET #2500		Fax: ( )
City:	DENVER	State:	CO
Zip:	80202	Email:	toby.sachen.contractor@crestonepr.com

## Complete the Attachment Checklist

OP OGCC

API Number :	05-	123	11402	00	OGCC Facility ID Number:	243610
Well/Facility Name:	LEONARD				Well/Facility Number:	4-21J
Location	QtrQtr:	CSW	Section:	21	Township:	2N
					Range:	67W
					Meridian:	6
County:	WELD		Field Name:	WATTENBERG		
Federal, Indian or State Lease Number:						

Survey Plat		
Directional Survey		
Srvc Eqpmt Diagram		
Technical Info Page		
Other		

## CHANGE OF LOCATION OR AS BUILT GPS REPORT

- ☐ Change of Location \*      ☐ As-Built GPS Location Report      ☐ As-Built GPS Location Report with Survey

\* Well location change requires new plat. A substantive surface location change may require new Form 2A.

**SURFACE LOCATION GPS DATA** Data must be provided for Change of Surface Location and As Built Reports.

Latitude \_\_\_\_\_ PDOP Reading \_\_\_\_\_ Date of Measurement \_\_\_\_\_  
Longitude \_\_\_\_\_ GPS Instrument Operator's Name \_\_\_\_\_

**LOCATION CHANGE (all measurements in Feet)**

Well will be: (Vertical, Directional, Horizontal)

Change of **Surface** Footage **From** Exterior Section Lines:

Change of **Surface** Footage To Exterior Section Lines:

Current <b>Surface</b> Location From	QtrQtr	CSW	Sec	21
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New **Surface** Location To QtrQtr  Sec

Change of **Top of Productive Zone** Footage **From** Exterior Section Lines:

Change of **Top of Productive Zone** Footage To Exterior Section Lines:

Current	Top of Productive Zone Location From	Sec

New **Top of Productive Zone** Location To Sec  

Change of **Bottomhole** Footage **From** Exterior Section Lines:

Change of **Bottomhole** Footage To Exterior Section Lines:

Current **Bottomhole** Location      Sec       Twp

New **Bottomhole** Location      Sec       Twp

Is location in High Density Area?

Distance, in feet, to nearest building \_\_\_\_\_, public road: \_\_\_\_\_, above ground utility: \_\_\_\_\_, railroad: \_\_\_\_\_,

property line: \_\_\_\_\_, lease line: \_\_\_\_\_, well in same formation: \_\_\_\_\_

Ground Elevation                      feet                      Surface owner consultation date

FNL/FSL		FEL/FWL	
1320	FSL	1320	FWL
Twp	2N	Range	67W
Twp		Range	
			**
Twp		Range	
Twp		Range	
			**
Range		** attach deviated drilling plan	
Range			

\*\* attach deviated drilling plan

**CHANGE OR ADD OBJECTIVE FORMATION AND/OR SPACING UNIT**

<u>Objective Formation</u>	<u>Formation Code</u>	<u>Spacing Order Number</u>	<u>Unit Acreage</u>	<u>Unit Configuration</u>

**OTHER CHANGES**

☐ **REMOVE FROM SURFACE BOND** Signed surface use agreement is a required attachment

☐ **CHANGE OF WELL, FACILITY OR OIL & GAS LOCATION NAME OR NUMBER**

From: Name LEONARD Number 4-21J Effective Date: \_\_\_\_\_

To: Name \_\_\_\_\_ Number \_\_\_\_\_

☐ **ABANDON PERMIT: Permit can only be abandoned if the permitted operation has NOT been conducted. Field inspection will be conducted to verify site status.**

☐ WELL: Abandon Application for Permit-to-Drill (Form2) – Well API Number \_\_\_\_\_ has not been drilled.

☐ PIT: Abandon Earthen Pit Permit (Form 15) – COGCC Pit Facility ID Number \_\_\_\_\_ has not been constructed (Permitted and constructed pit requires closure per Rule 905)

☐ **CENTRALIZED E&P WASTE MANAGEMENT FACILITY:** Abandon Centralized E&P Waste Management Facility Permit (Form 28) – Facility ID Number \_\_\_\_\_ has not been constructed (Constructed facility requires closure per Rule 908)

OIL & GAS LOCATION ID Number: \_\_\_\_\_

☐ Abandon Oil & Gas Location Assessment (Form 2A) – Location has not been constructed and site will not be used in the future.

☐ Keep Oil & Gas Location Assessment (Form 2A) active until expiration date. This site will be used in the future.

**Surface disturbance from Oil and Gas Operations must be reclaimed per Rule 1003 and Rule 1004.**

☐ **REQUEST FOR CONFIDENTIAL STATUS**

☐ **DIGITAL WELL LOG UPLOAD**

☐ **DOCUMENTS SUBMITTED** Purpose of Submission: \_\_\_\_\_

**RECLAMATION****INTERIM RECLAMATION**

☐ Interim Reclamation will commence approximately \_\_\_\_\_

Per Rule 1003.e.(3) operator shall submit Sundry Notice reporting interim reclamation is complete and site is ready for inspection when vegetation reaches 80% coverage.

☐ Interim reclamation complete, site ready for inspection.

Per Rule 1003.e(3) describe interim reclamation procedure in Comments below or provide as an attachment and attach required location photographs.

**Field inspection will be conducted to document Rule 1003.e. compliance**

**FINAL RECLAMATION**

☐ Final Reclamation will commence approximately \_\_\_\_\_

Per Rule 1004.c.(4) operator shall submit Sundry Notice reporting final reclamation is complete and site is ready for inspection when vegetation reaches 80% coverage.

☐ Final reclamation complete, site ready for inspection. Per Rule 1004.c(4) describe final reclamation procedure in Comments below or provide as an attachment.

**Field inspection will be conducted to document Rule 1004.c. compliance**

Comments:

#### ENGINEERING AND ENVIRONMENTAL WORK

##### ☐ NOTICE OF CONTINUED TEMPORARILY ABANDONED STATUS

Indicate why the well is temporarily abandoned and describe future plans for utilization in the COMMENTS box below or provide as an attachment, as required by Rule 319.b.(3).

Date well temporarily abandoned \_\_\_\_\_ Has Production Equipment been removed from site? \_\_\_\_\_

Mechanical Integrity Test (MIT) required if shut in longer than 2 years. Date of last MIT \_\_\_\_\_

☐ SPUD DATE: \_\_\_\_\_

#### TECHNICAL ENGINEERING AND ENVIRONMENTAL WORK

Details of work must be described in full in the COMMENTS below or provided as an attachment.

☒ NOTICE OF INTENT Approximate Start Date 09/11/2017

☐ REPORT OF WORK DONE Date Work Completed \_\_\_\_\_

- |  |   |  |
|--|---|--|
| <input type="checkbox"/> Intent to Recomplete (Form 2 also required) | <input type="checkbox"/> Request to Vent or Flare   | <input type="checkbox"/> E&P Waste Mangement Plan      |
| <input type="checkbox"/> Change Drilling Plan                        | <input checked="" type="checkbox"/> Repair Well   | <input type="checkbox"/> Beneficial Reuse of E&P Waste |
| <input type="checkbox"/> Gross Interval Change                       | <input type="checkbox"/> Rule 502 variance requested. Must provide detailed info regarding request. |  |
| <input type="checkbox"/> Other _____                                 | <input type="checkbox"/> Status Update/Change of Remediation Plans for Spills and Releases          |  |

#### COMMENTS:

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 per COGCC Regulation. Note: previous test performed 08/22/2017.
3. Notify Automation and Production Department.
4. RU Slick line, pull plunger and bumper spring.
5. 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.
6. MIRU pulling unit. Kill well with treated produced water (5 gal/100 bbls BH XC1427 biocide and 10 gal/100 bbls OSW5200 oxygen scavenger).
7. ND wellhead, NU BOP.
8. Un-land tubing.
9. TOOH with tubing.
10. TIH with bit and scraper. Tag.
11. TOOH with tubing.
12. RU wireline.
13. RIH with wireline and set CIBP @ 8020' (65' above top J Sand perforation). Ensure that CIBP is set in the middle of the joint of casing. Pressure test plug to 500 psi. Hold pressure for 15 minutes. Chart pressure on 1000 psi pressure chart.
14. POOH with wireline.
15. RIH with wireline and dump bail 4 sx cement on top of CIBP.
16. POOH with wireline.

17. Ensure hole is full. Run conventional CBL from CIBP to surface. Call Production Engineer after CBL to confirm results and path forward. Contact COGCC Engineer with results. Calculated cement top @ ~6325' using caliper log and cement yield of 1.56 ft<sup>3</sup>/sx based on Leonard 3-21J cement results. Remaining steps in this procedure assume the Niobrara cement coverage is adequate.
18. TIH with tubing and set CIBP @ 7300' (~75' above Niobrara top). Ensure that CIBP is set in the middle of the joint of casing. Lay down 1 joint, load hole, and pressure test plug to 500 psi. Hold pressure for 15 minutes. Chart pressure on 1000 psi pressure chart.
19. Set a balanced plug with 40 sx (~8 bbl) of cement on top of CIBP from ~6773' to 7300'.
20. Pull tubing above cement plug with about 30 jts (15 stands). Reverse circulate to clear tubing.
21. TOOH with tubing.
22. RU wireline.
23. RIH with wireline and set CIBP @ 5450' (~243' below Shannon base). Ensure that CIBP is set in the middle of the joint of casing. Pressure test plug to 500 psi. Hold pressure for 15 minutes. Chart pressure on 1000 psi pressure chart.
24. POOH with wireline.
25. RIH and shoot squeeze holes @ 5440' (~233' below Shannon base).
26. POOH with wireline.
27. RIH and shoot suicide squeeze holes @ 4400' (~240' above Sussex top).
28. POOH with wireline.
29. RIH with wireline and set CICR @ 5430'.
30. POOH with wireline.
31. PU stinger and TIH with tubing. Check circulation through stinger and sting into CICR.
32. Attempt to establish circulation. If unable to establish injection, call Production Engineer for path forward.
33. Circulate mud wash to condition annulus.
34. Pump ~5 bbl water ahead. Pump 520 sx (~107 bbl) cement. Sting out. Circulate to clear tubing.
35. TOOH with tubing.
36. RU E-line.
37. Ensure hole is full. Run conventional CBL from CICR to 3000'. Call Production Engineer after CBL to confirm top provides adequate cement coverage. Top of cement needs to be 4440' or shallower (~200' above Sussex top).
38. TIH with tubing.
39. Set a balanced plug with 100 sx (~20 bbl) of cement on top of CICR from ~4146' to 5430'.
40. Pull tubing above cement plug with about 50 joints (25 stands). Reverse circulate to clear tubing.
41. Wait on cement for ~4 hours.
42. TIH with tubing and tag TOC. Expected tag @ ~4146'.
43. TOOH with tubing.
44. ND BOP, NU 5K wellhead including 5K tubing head, 5K master valve, 5K production casing valves, and 5K nipples.
45. Notify Automation department to reinstall automation equipment.
46. Ensure all cement tickets are emailed to the Denver office for subsequent reporting. Emails shall be sent to Production Engineer, Workover Coordinator, and Production Technician.
47. Submit Form 5

**CASING AND CEMENTING CHANGES**

Casing Type	Size	Of	/	Hole	Size	Of	/	Casing	Wt/Ft	Csg/LinTop	Setting Depth	Sacks of Cement	Cement Bottom	Cement Top

**H2S REPORTING**

**Data Fields in this section are intended to document Sample and Location Data associated with the collection of a Gas Sample that is submitted for Laboratory Analysis.**

**Gas Analysis Report must be attached.**

H2S Concentration: \_\_\_\_\_ in ppm (parts per million)

Date of Measurement or Sample Collection \_\_\_\_\_

Description of Sample Point:

Absolute Open Flow Potential \_\_\_\_\_ in CFPD (cubic feet per day)

Description of Release Potential and Duration (If flow is not open to the atmosphere, identify the duration in which the container or pipeline would likely be opened for servicing operations.):

Distance to nearest occupied residence, school, church, park, school bus stop, place of business, or other areas where the public could reasonably be expected to frequent: \_\_\_\_\_

Distance to nearest Federal, State, County, or municipal road or highway owned and principally maintained for public use: \_\_\_\_\_

COMMENTS:

### **Best Management Practices**

**No BMP/COA Type**

**Description**

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**Operator Comments:**

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

Signed: \_\_\_\_\_ Print Name: Toby Sachen  
Title: Contractor Email: toby.sachen.contractor@crestonepr.com Date: 9/6/2017

Based on the information provided herein, this Sundry Notice (Form 4) complies with COGCC Rules and applicable orders and is hereby approved.

COGCC Approved: BURN, DIANA Date: 9/16/2017

**CONDITIONS OF APPROVAL, IF ANY:****COA Type****Description**

	If there is not an intention to return this well to production, the details of this workover should be reported on a Subsequent Report of Abandonment, Form 6. The SROA can be submitted once the well plugging is completed. If the well is to be returned to production, a Drilling Completion Report, Form 5 should be submitted once the well is drilled out to be returned to production.
	Please provide 48 notice of workover with a Form 42, Start of Plugging.
	During any offset stimulation activity within 1500' of this wellbore, the Bradenhead should be open and actively monitored.

**General Comments****User Group****Comment****Comment Date**

		Stamp Upon Approval
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Total: 0 comment(s)

**Attachment Check List****Att Doc Num****Name**

401395943	SUNDRY NOTICE APPROVED-REPAIR
401395953	OPERATIONS SUMMARY
401395954	WELLBORE DIAGRAM
401405583	FORM 4 SUBMITTED

Total Attach: 4 Files