

**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: <b>401395957</b>			
Date Received: <b>09/06/2017</b>			

**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 11400 00 OGCC Facility ID Number: 243608  
 Well/Facility Name: LEONARD Well/Facility Number: 3-21J  
 Location QtrQtr: NWSE 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 **Surface** Location **From** QtrQtr NWSE Sec 21

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 \_\_\_\_\_ Range \_\_\_\_\_

New **Bottomhole** Location Sec \_\_\_\_\_ Twp \_\_\_\_\_ Range \_\_\_\_\_

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	
<u>1320</u>	<u>FSL</u>	<u>1440</u>	<u>FEL</u>
_____	_____	_____	_____
Twp <u>2N</u>	Range <u>67W</u>	Meridian <u>6</u>	
Twp _____	Range _____	Meridian _____	
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	**
_____	_____	_____	_____
_____	_____	_____	**

\*\* attach deviated drilling plan



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. TOO H with tubing.
10. TIH with bit and scraper. Tag.
11. TOO H with tubing.
12. RU wireline.
13. RIH with wireline and set CIBP @ 8180' (72' above production casing shoe). Ensure that CIBP is set in the middle of the joint of casing.
14. POOH with wireline.
15. RIH with wireline and dump bail 4 sx cement on top of CIBP.
16. POOH with wireline.

17. RIH with wireline and set CIBP @ 8050' (41' 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.
18. POOH with wireline.
19. 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. Remaining steps in this procedure assume the Niobrara cement coverage is adequate.
20. RIH with wireline and dump bail 4 sx cement on top of CIBP.
21. POOH with wireline.
22. TIH with tubing and set CIBP @ 7315' (~49' 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.
23. Set a balanced plug with 40 sx (~8 bbl) of cement on top of CIBP from ~6788' to 7315'.
24. Pull tubing above cement plug with about 30 jts (15 stands). Reverse circulate to clear tubing.
25. TOOH with tubing.
26. RU wireline.
27. TIH with tubing and set CIBP @ 5500' (~247' below Shannon base). 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.
28. Set a balanced plug with 90 sx (~18 bbl) of cement on top of CIBP from ~4344' to 5500'.
29. Pull tubing above cement plug with about 50 joints (25 stands). Reverse circulate to clear tubing.
30. Wait on cement for ~4 hours.
31. TIH with tubing and tag TOC. Expected tag @ ~4344'.
32. TOOH with tubing.
33. ND BOP, NU 5K wellhead including 5K tubing head, 5K master valve, 5K production casing valves, and 5K nipples.
34. Notify Automation department to reinstall automation equipment.
35. 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.
36. Submit Form 5 Drilling Completion report documenting all placed cement. Include CBL with this form.

**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**

Operator Comments:

[Empty box for Operator Comments]

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.
	During any offset stimulation activity within 1500' of this wellbore, the Bradenhead should be open and actively monitored.
	Please provide 48 notice of workover with a Form 42, Start of Plugging.
	If Bradenhead Test form 8/22/2017 did not have pressure greater than 25# or flow any fluids to surface, there is not a requirement to repeat the Bradenhead Test - the Form 17 for the August 22, 2017 test should be submitted.

**General Comments**

User Group	Comment	Comment Date
Engineer	requested plans for short SC monitoring during stimulation	09/14/2017
Engineer	Lower Arapahoe -- -- -- -- -- Laramie-Fox Hills 4406 4694 183.2 641 353 43.96 NT	09/14/2017

Total: 2 comment(s)

**Attachment Check List**

Att Doc Num	Name
401395957	SUNDRY NOTICE APPROVED-REPAIR
401395974	OPERATIONS SUMMARY
401395975	WELLBORE DIAGRAM
401405587	FORM 4 SUBMITTED

Total Attach: 4 Files