

State of Colorado
Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203
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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: 10433 Contact Name Joan Proulx
 Name of Operator: LARAMIE ENERGY LLC Phone: (970) 263-3641
 Address: 1401 SEVENTEENTH STREET #1401 Fax: ()
 City: DENVER State: CO Zip: 80202 Email: jproulx@laramie-energy.com

Complete the Attachment
Checklist

OP OGCC

API Number : 05- 045 10930 00 OGCC Facility ID Number: 278769
 Well/Facility Name: LOGAN WASH Well/Facility Number: 797-23-16
 Location QtrQtr: NENE Section: 23 Township: 7S Range: 97W Meridian: 6
 County: GARFIELD Field Name: GRAND VALLEY
 Federal, Indian or State Lease Number: _____

Survey Plat		
Directional Survey		
Srfc 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 _____ GPS Quality Value: _____ Type of GPS Quality Value: _____ Measurement Date: _____
 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:

FNL/FSL		FEL/FWL	
<input type="text" value="1019"/>	<input type="text" value="FNL"/>	<input type="text" value="602"/>	<input type="text" value="FEL"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

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

Current **Surface** Location **From** QtrQtr Sec Twp Range Meridian
 New **Surface** Location **To** QtrQtr Sec Twp Range Meridian

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

<input type="text" value="1251"/>	<input type="text" value="FNL"/>	<input type="text" value="583"/>	<input type="text" value="FEL"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

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

Current **Top of Productive Zone** Location **From** Sec Twp Range
 New **Top of Productive Zone** Location **To** Sec Twp Range

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

<input type="text" value="1251"/>	<input type="text" value="FNL"/>	<input type="text" value="583"/>	<input type="text" value="FEL"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

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

Current **Bottomhole** Location Sec Twp Range ** attach deviated drilling plan
 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 _____

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 _____

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 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:

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: 190 in ppm (parts per million)

Date of Measurement or Sample Collection 06/01/2020

Description of Sample Point:

Separator.

Absolute Open Flow Potential 2567 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.):

Well is not open to the atmosphere. Separator and/or wellhead would be open for minimal periods of time for servicing operations only.

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: 6.8 MILES

Distance to nearest Federal, State, County, or municipal road or highway owned and principally maintained for public use: 3.91 MILES

COMMENTS:

During routine calibration and sampling of the well on 6/1/20, there was an H2S reading of 190 ppm at the separator. A subsequent extended analysis was done (attached) with an H2S reading at 0.3 ppm.

Best Management Practices

No BMP/COA Type

Description

<u>No BMP/COA Type</u>	<u>Description</u>

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: Joan Proulx
Title: Regulatory Analyst Email: jproulx@laramie-energy.com Date: 7/7/2020

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

COGCC Approved: KOEPSSELL, ARTHUR Date: 7/9/2020

CONDITIONS OF APPROVAL, IF ANY:

COA Type

Description

<u>COA Type</u>	<u>Description</u>

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Environmental	The attached gas analysis was previously submitted to the COGCC and can be accessed through the COGIS database.	07/09/2020
Engineer	<p>Details from H2S Notiice to Operators Attachement C:</p> <p>During routine meter calibration and gas sampling, the calibrator using drager tubes sampled For H2S at the wellhead, separator, and production tank. Sample Results were: Wellhead 185 ppm (gas stream) Separator 190 ppm (gas stream) Production Tank: 1.3 ppm (Headspace)</p>	07/08/2020
Engineer	<p>Original email notification from Waybe Bankert on 06/02/2020. Email was submitted with a completed H2S notice to operators with radius of exposure calculation Aaron and Kirby, This E-mail serves to notify you of a high H2S hit in the gas stream in the referenced well discovered 6/1/20 during routine calibration and sampling. The highest concentration was 190 ppm at the separator. I did the calculations (attached) and the Radius of Exposures are very small distance wise for the amount of gas this well produces: ROE at 100 ppm is : 0.529735 ft</p> <p>ROE at 500 ppm is: 0.391626 ft Distance to any public road or occupied building is literally miles away, so no impact to the public. Laramie will proceed to batch chemical treat the well in an attempt to reduce or eliminate the H2S concentration. The formation(Williams Fork) is not normally recognized to have high concentrations of H2S.</p> <p>Original reading was 190 ppm in the field at the seperator. Lab resultls show H2S as 0.3 ppm mole (0.6 ppm wt)</p>	07/08/2020

Total: 3 comment(s)

Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
402438500	SUNDRY NOTICE APPROVED-H2S
402438502	ANALYTICAL RESULTS
402440223	FORM 4 SUBMITTED
Total Attach: 3 Files	