

**State of Colorado
Oil and Gas Conservation Commission**

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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: 8960 Contact Name Luke Kelly
 Name of Operator: BONANZA CREEK ENERGY OPERATING COMPANY LLC Phone: (720) 315-8934
 Address: 410 17TH STREET SUITE #1400 Fax: ()
 City: DENVER State: CO Zip: 80202 Email: LKelly@Bonanzacrk.com

Complete the Attachment Checklist

OP OGCC

API Number : 05- 123 48261 00 OGCC Facility ID Number: 458202
 Well/Facility Name: Antelope Well/Facility Number: Y44-19-18MRLNC
 Location QtrQtr: SESE Section: 19 Township: 5N Range: 62W 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:

FNL/FSL		FEL/FWL	
<input type="text" value="225"/>	<input type="text" value="FSL"/>	<input type="text" value="1168"/>	<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
 New **Surface** Location **To** QtrQtr Sec

Twp Range Meridian
 Twp Range Meridian

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

<input type="text" value="470"/>	<input type="text" value="FSL"/>	<input type="text" value="340"/>	<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
 New **Top of Productive Zone** Location **To** Sec

Twp Range
 Twp Range

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

<input type="text" value="250"/>	<input type="text" value="FSL"/>	<input type="text" value="285"/>	<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
 New **Bottomhole** Location Sec Twp Range

** attach deviated drilling plan

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 12/13/2019

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:

To mitigate elevated bradenhead pressure, BCEOC proposes the following initial mitigation actions:

1. An initial pressure check will be conducted to verify current bradenhead pressure following the previous bradenhead test. If the bradenhead pressure is at or below 25 PSI, the bradenhead pressure will be deemed mitigated by previous blowdowns and will be re-evaluated during the subsequent annual test. If bradenhead pressure remains above 25 psi, option 2 will be implemented.
2. An additional 30 minute well blowdown will be performed to establish a trend on blowdown results (when compared to the previous test results). Initial and 30 minute instantaneous pressures will be recorded during blowdown. Following the blowdown event, Bonanza Creek will return after 14 days to record the bradenhead pressure. If the bradenhead pressure is below 25 PSI, the well will be re-evaluated during the subsequent annual test. If bradenhead pressure remains above 25 PSI after the blowdown event or continues to build above 25 PSI after 14 days, BCEOC will evaluate the pressure timeline data collected to date and prepare an extended mitigation plan. BCEOC will then submit a subsequent Form 4 detailing a plan for extended bradenhead pressure mitigation.

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: Luke Kelly
Title: Senior Env. Specialist Email: LKelly@Bonanzacr.com Date: 12/3/2019

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

COGCC Approved: Jacobson, Eric Date: 1/3/2020

CONDITIONS OF APPROVAL, IF ANY:

<u>COA Type</u>	<u>Description</u>
	Shut in bradenhead pressure shall not exceed 50 psig.
	<p>1. Operator shall implement measures to control venting, to protect health and safety, and to ensure that vapors and odors from well operations do not constitute a nuisance or hazard to public welfare.</p> <p>2. Prior to starting bradenhead mitigation, if a sample has not been collected within the last twelve months collect bradenhead and production gas samples for laboratory analysis. Sampling shall comply with Operator Guidance - Bradenhead Testing and Reporting Instructions, Appendix A: Liquid and Gas Sampling. Copies of all final laboratory analytical results shall be provided to the COGCC within three months of collecting the samples.</p> <p>3. During the first day of mitigation operator shall implement measures to get an initial estimate of the gas flow rate and/or volume from the bradenhead. During the shut-in period record pressure data to adequately characterize the build-up. This mitigation plan may be used for six consecutive months.</p> <p>4. At the conclusion of the six months, conduct a new bradenhead test and submit the Form 17 within ten days of the test and submit a Form 4 Sundry that summarizes current well condition. The sundry should include details of the future plans and the flow rate information and pressure data.</p>

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Engineer	Bradenhead test date 10/09/2019 had 60 psig and sample taken.	01/03/2020

Total: 1 comment(s)

Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
402252394	SUNDRY NOTICE APPROVED-REPAIR
402276774	FORM 4 SUBMITTED

Total Attach: 2 Files