

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: 402492610			
Date Received: 09/18/2020			

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: 10459 Contact Name Philip Antonioli
 Name of Operator: EXTRACTION OIL & GAS INC Phone: (720) 354-4603
 Address: 370 17TH STREET SUITE 5300 Fax: ()
 City: DENVER State: CO Zip: 80202 Email: PAntonioli@extractionog.com

Complete the Attachment
Checklist

OP OGCC

API Number : 05- 013 06094 00 OGCC Facility ID Number: 206599
 Well/Facility Name: HOLDERBY Well/Facility Number: 1-27
 Location QtrQtr: NWNW Section: 27 Township: 1N Range: 69W Meridian: 6
 County: BOULDER 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 _____ 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
660	FNL	660	FWL

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

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Current **Surface** Location **From** QtrQtr NWNW Sec 27

Twp	<u>1N</u>	Range	<u>69W</u>	Meridian	<u>6</u>
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New **Surface** Location **To** QtrQtr _____ Sec _____

Twp	_____	Range	_____	Meridian	_____
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Change of **Top of Productive Zone** Footage **From** Exterior Section Lines:

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

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Current **Top of Productive Zone** Location **From** Sec _____

Twp	_____	Range	_____
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New **Top of Productive Zone** Location **To** Sec _____

Twp	_____	Range	_____
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Change of **Bottomhole** Footage **From** Exterior Section Lines:

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

				**
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Current **Bottomhole** Location Sec _____ Twp _____

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

Range	_____
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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 09/09/2020

<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 checked="" type="checkbox"/> Other <u>Bradenhead Mitigation</u>	<input type="checkbox"/> Status Update/Change of Remediation Plans for Spills and Releases	

COMMENTS:

The sundry approved 4/16/2020 for a blowdown mitigation strategy (DOC#: 402369038) stated an approximate start date of 3/3/2020 with six months of consecutive blowdowns approved. Extraction began blowdowns 5/2/2020 and closed out the blowdown mitigation strategy with the Form 17 dated 9/9/2020. Attached are the results of the blowdown mitigation strategy. The blowdown mitigation strategy was unable to successfully mitigate the bradenhead pressure below 50psi. Extraction requests until 9/30/2020 to determine and submit the necessary paperwork for an alternate mitigation strategy.

Pressure and flow rate data were collected during the blowdown process and showed a flowrate of 35.14 MSCF/D and a volume of 0.4325 MSCF. Additionally, a bradenhead and production gas sample were taken for comparison. The bradenhead gas sample is 77.83 MOL % Methane. Further analysis shows that the bradenhead gas sample is thermogenic in origin. When compared to the production gas sample taken the bradenhead gas sample is similar in thermal maturity indicating that the bradenhead gas sample could potentially be sourced from the same completed interval as the production gas sample.

CASING AND CEMENTING CHANGES

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:

Bradenhead Pressure Mitigation Follow-Up

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

Signed: _____ Print Name: Philip Antonioli
Title: Production Engineer Email: PAntonioli@extractionog.com Date: 9/18/2020

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

COGCC Approved: Jacobson, Eric Date: 9/28/2020

CONDITIONS OF APPROVAL, IF ANY:

<u>COA Type</u>	<u>Description</u>
	Operator to submit a mitigation plan on a Form 4 sundry by 09/30/2020. It should include a plan and a discussion of the well pressure history since this Form 4 was submitted.

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Engineer	Bradenhead test date 09/09/2020 had 152 psig and flowed gas to surface.	09/28/2020

Total: 1 comment(s)

Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
402492610	SUNDRY NOTICE APPROVED-OTHER
402492613	OTHER
402498176	FORM 4 SUBMITTED

Total Attach: 3 Files