

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: 402876055			
Date Received: 11/19/2021			

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: <u>10459</u>	Contact Name <u>Philip Antonioli</u>
Name of Operator: <u>EXTRACTION OIL & GAS INC</u>	Phone: <u>(720) 354-4603</u>
Address: <u>370 17TH STREET SUITE 5200</u>	Fax: <u>()</u>
City: <u>DENVER</u> State: <u>CO</u> Zip: <u>80202</u>	Email: <u>PAntonioli@civiresources.com</u>

FORM 4 SUBMITTED FOR:

Facility Type: WELL

API Number : 05- 013 06424 00 ID Number: 206929

Name: ANDERSON MB Number: 33-2

Location QtrQtr: NWNE Section: 33 Township: 2N Range: 69W Meridian: 6

County: BOULDER Field Name: WATTENBERG

Oil & Gas Location(s) and Oil & Gas Development Plan (OGDP) Information

Location(s)

Location ID	Location Name and Number
321429	ANDERSON MB-62N69W 33NWNE

OGDP(s)

No OGDP

WELL LOCATION CHANGE OR AS-BUILT GPS REPORT

- Change of Location for Well * As-Built GPS Location Report As-Built GPS Location Report with Survey

* Well Location Change requires a new Plat.

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

Latitude _____ Longitude _____

GPS Quality Value: _____ Type of GPS Quality Value: _____ Measurement Date: _____

Well Ground Elevation: _____ feet (Required for change of Surface Location.)

WELL LOCATION CHANGE

Well plan is: _____ (Vertical, Directional, Horizontal)

				FNL/FSL		FEL/FWL	
Change of Surface Footage From :				<input type="text" value="859"/>	<input type="text" value="FNL"/>	<input type="text" value="1961"/>	<input type="text" value="FEL"/>
Change of Surface Footage To :				<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Current Surface Location From	QtrQtr <input type="text" value="NWNE"/>	Sec <input type="text" value="33"/>	Twp <input type="text" value="2N"/>	Range <input type="text" value="69W"/>	Meridian <input type="text" value="6"/>		
New Surface Location To	QtrQtr <input type="text"/>	Sec <input type="text"/>	Twp <input type="text"/>	Range <input type="text"/>	Meridian <input type="text"/>		
Change of Top of Productive Zone Footage From :				<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Change of Top of Productive Zone Footage To :				<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Current Top of Productive Zone Location		Sec <input type="text"/>	Twp <input type="text"/>	Range <input type="text"/>			
New Top of Productive Zone Location		Sec <input type="text"/>	Twp <input type="text"/>	Range <input type="text"/>			

**

Change of **Base of Productive Zone** Footage **From:**

Change of **Base of Productive Zone** Footage **To:**

**

Current **Base of Productive Zone** Location

Sec

Twp

Range

New **Base of Productive Zone** Location

Sec

Twp

Range

Change of **Bottomhole** Footage **From:**

Change of **Bottomhole** Footage **To:**

**

Current **Bottomhole** Location

Sec

Twp

Range

** attach deviated drilling plan

New **Bottomhole** Location

Sec

Twp

Range

SAFETY SETBACK INFORMATION

Required for change of Surface Location.

Distance from Well to nearest:

- Building: _____ Feet
- Building Unit: _____ Feet
- Public Road: _____ Feet
- Above Ground Utility: _____ Feet
- Railroad: _____ Feet
- Property Line: _____ Feet

INSTRUCTIONS:

- Specify all distances per Rule 308.b.(1).
- Enter 5280 for distance greater than 1 mile.
- Building - nearest building of any type. If nearest Building is a Building Unit, enter same distance for both.
- Building Unit – as defined in 100 Series Rules.

SUBSURFACE MINERAL SETBACKS

Required for change of Top and/or Base of Productive Zone. Enter 5280 for distance greater than 1 mile.

Is this Well within a unit? _____

If YES:

Enter the minimum distance from the Completed Zone of this Well to the Unit Boundary: _____ Feet

Enter the minimum distance from the Completed Zone of this Well to the Completed Zone of an offset Well within the same unit permitted or completed in the same formation: _____ Feet

If NO:

Enter the minimum distance from the Completed Zone of this Well to the Lease Line of the described lease: _____ Feet

Enter the minimum distance from the Completed Zone of this Well to the Completed Zone of an offset Well producing from the same lease and permitted or completed in the same formation: _____ Feet

Exception Location

If this Well requires the approval of a Rule 401.c Exception Location, enter the Rule or spacing order number and attach the Exception Location Request and Waivers. _____

LOCATION CHANGE COMMENTS

CHANGE OR ADD OBJECTIVE FORMATION AND/OR SPACING UNIT

Objective Formation	Formation Code	Spacing Order Number	Unit Acreage	Unit Configuration	Add	Modify	No Change	Delete
J SAND	JSND	232	160	NE4			X	
NIOBRARA-CODELL	NB-CD	0	160	NE4			X	

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, as required by Rule 434.b.(3).

Date well temporarily abandoned _____
Has Production Equipment been removed from site? _____
Mechanical Integrity Test (MIT) required. Date of last MIT _____

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/REQUEST FOR APPROVAL Approximate Start Date 12/20/2021
 SUBSEQUENT REPORT Date of Activity _____

Bradenhead Plan Venting or Flaring (Rule 903) E&P Waste Mangement
 Change Drilling Plan Repair Well Beneficial Reuse of E&P Waste
 Gross Interval Change
 Underground Injection Control
 Request approval of Reuse and Recycling Plan per Rule 905.a.(3). (Reuse and Recycling Plan must be attached.)
 Request approval of Alternative Sampling Plan per Rule 909.j.(6). for this Pit. (Alternative Sampling Program must be attached.)
 Other

Request that an existing produced water sample from the same formation be used per Rule 909.j.(6) to meet the requirements of Rule 909.j.(1)-(5) for this Well.

Pit ID _____ Pit Name _____
(No Sample Provided)

Subsequent well operations with heavy equipment (Rule 312)
(No Well Provided)

COMMENTS:

The sundry dated 5/5/2020 (DOC#: 402390200) showed that a bradenhead blowdown abatement strategy had successfully gotten the bradenhead pressure below the required threshold. Extraction has continued to monitor the bradenhead pressure. The Form 17 dated 10/29/2021 shows that the bradenhead pressure has built back up over 50psi. Additionally, a bradenhead and production gas sample were taken for comparison. The bradenhead gas sample is a mixture of thermogenic and microbial gas and when compared to the production gas sample taken the bradenhead gas sample is less thermally mature.

To comply with the operator guidance Extraction requests to route the bradenhead gas to a catadyne heater within 20' of the wellhead to maintain bradenhead pressure below the 50psi threshold. Extraction has left the bradenhead shut-in after completing the bradenhead blowdown mitigation.

CASING PROGRAM

(No Casing Provided)

POTENTIAL FLOW AND CONFINING FORMATIONS

H2S REPORTING

Intentional release of H2S gas due to Upset Condition or malfunction.

Intent to temporarily abandon well with potential H2S concentration >100 ppm.

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:

OIL & GAS LOCATION UPDATES

OGDP ID _____ OGDP Name _____

SITE EQUIPMENT LIST UPDATES

Indicate the number and type of major equipment components planned for use on this Oil and Gas Location:

Wells _____	Oil Tanks _____	Condensate Tanks _____	Water Tanks _____	Buried Produced Water Vaults _____
Drilling Pits _____	Production Pits _____	Special Purpose Pits _____	Multi-Well Pits _____	Modular Large Volume Tank _____
Pump Jacks _____	Separators _____	Injection Pumps _____	Heater-Treaters _____	Gas Compressors _____
Gas or Diesel Motors _____	Electric Motors _____	Electric Generators _____	Fuel Tanks _____	LACT Unit _____
Dehydrator Units _____	Vapor Recovery Unit _____	VOC Combustor _____	Flare _____	Enclosed Combustion Devices _____
Meter/Sales Building _____	Pigging Station _____	Vapor Recovery Towers _____		

OTHER PERMANENT EQUIPMENT UPDATES

OTHER TEMPORARY EQUIPMENT UPDATES

CULTURAL AND SAFETY SETBACK UPDATES

OTHER LOCATION CHANGES AND UPDATES

Provide a description of other changes or updates to technical information for this Location:

POTENTIAL OGDG UPDATES

PROPOSED CHANGES TO AN APPROVED OGDG

This Sundry Form 4 is being submitted pursuant to Rule 301.c to propose changes to an approved Oil and Gas Development Plan.

Check all boxes that pertain to the type(s) of changes being proposed for this OGDG:

- Add Oil and Gas Location(s)
- Amend Oil and Gas Location(s)
- Remove Oil and Gas Location(s)
- Oil and Gas Location attachment or plan updates
- Other
- Add Drilling and Spacing Unit(s)
- Amend Drilling and Spacing Unit(s)
- Remove Drilling and Spacing Unit(s)
- Amend the lands subject to the OGDG

Provide a detailed description of the changes being proposed for this OGDG. Attach supporting documentation such as maps if necessary.

Best Management Practices

No BMP/COA Type

Description

No BMP/COA Type	Description

Operator Comments:

Proposed Bradenhead Pressure Mitigation Strategy

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@civiresources.com Date: 11/19/2021

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: 11/24/2021

CONDITIONS OF APPROVAL, IF ANY:**Condition of Approval****COA Type****Description**

1. Operator will 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.

2. Bradenhead gas is not to be vented to the atmosphere; any gas from the Bradenhead will be routed to an enclosed tank and/or combustor. Shut in bradenhead pressure shall not exceed 50 psig. Operator will implement measures to get an estimate of the gas flow rate and/or volume from the bradenhead.

3. Within thirty days of 10/29/2022, conduct a bradenhead test, submit a Form 17, and submit a Form 4 Sundry that summarizes current well condition. The sundry should include details of the future plans, sample analysis interpretation, bradenhead test description, and the flow rate information and pressure data.

4. Shut well in for at least seven days to monitor build up pressures then conduct a new bradenhead test and submit the Form 17 within ten days of the test.

1 COA

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

Engineer

Bradenhead test date 10/29/2021 had 70 psig and had gas at surface during the test.

11/24/2021

Total: 1 comment(s)

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

402876055

SUNDRY NOTICE APPROVED-OBJ

402879373

FORM 4 SUBMITTED

Total Attach: 2 Files