

# State of Colorado Oil and Gas Conservation Commission

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Document Number:

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Date Received:

## 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>10661</u>	Contact Name <u>Nathan Bennett</u>
Name of Operator: <u>BISON OIL &amp; GAS II LLC</u>	Phone: <u>(303) 312-8166</u>
Address: <u>518 17TH STREET #1800</u>	Fax: <u>( )</u>
City: <u>DENVER</u> State: <u>CO</u> Zip: <u>80202</u>	Email: <u>nbennett@civiresources.com</u>

### FORM 4 SUBMITTED FOR:

Facility Type: WELLAPI Number : 05- 123 51442 00 ID Number: 478964Name: Grotheer 5-61 Number: 11B-14-23-3Location QtrQtr: SESE Section: 11 Township: 5N Range: 61W Meridian: 6County: WELD Field Name: WATTENBERG

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

Location(s)

Location ID	Location Name and Number
476593	Grotheer 5-61 11B

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 40.409845 Longitude -104.170126GPS Quality Value: 1.3 Type of GPS Quality Value: PDOP Measurement Date: 02/18/2019Well Ground Elevation: 4686 feet (Required for change of Surface Location.)

### WELL LOCATION CHANGE

Well plan is: HORIZONTAL (Vertical, Directional, Horizontal)Change of **Surface** Footage From:Change of **Surface** Footage To:

Current <b>Surface</b> Location From	QtrQtr	<u>SESE</u>	Sec	<u>11</u>	Twp	<u>5N</u>	Range	<u>61W</u>	Meridian	<u>6</u>
New <b>Surface</b> Location To	QtrQtr	<u>SESE</u>	Sec	<u>11</u>	Twp	<u>5N</u>	Range	<u>61W</u>	Meridian	<u>6</u>

Change of **Top of Productive Zone** Footage From:Change of **Top of Productive Zone** Footage To:

Current <b>Top of Productive Zone</b> Location	Sec	<u>14</u>	Twp	<u>5N</u>	Range	<u>61W</u>
New <b>Top of Productive Zone</b> Location	Sec	<u></u>	Twp	<u></u>	Range	<u></u>

FNL/FSL		FEL/FWL	
<u>610</u>	<u>FSL</u>	<u>1213</u>	<u>FEL</u>
<u>460</u>	<u>FSL</u>	<u>1154</u>	<u>FEL</u>
<u>460</u>	<u>FNL</u>	<u>1497</u>	<u>FEL</u>
<u></u>	<u></u>	<u></u>	<u></u>
<u></u>	<u></u>	<u></u>	<u></u>

\*\*

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

SHL changed. Safety Setback Information has been updated. Between well distance updated to reflect wells that will be drilled.

## CHANGE OR ADD OBJECTIVE FORMATION AND/OR SPACING UNIT

<u>Objective Formation</u>	<u>Formation Code</u>	<u>Spacing Order Number</u>	<u>Unit Acreage</u>	<u>Unit Configuration</u>	<u>Add</u>	<u>Modify</u>	<u>No Change</u>	<u>Delete</u>
NIOBRARA	NBRR	407-1302	1280	S.14 & S.23: ALL			X	

**OTHER**

☐ **RULE 502 VARIANCE**

Order Number: \_\_\_\_\_

Description: \_\_\_\_\_

☐ **REMOVE FROM SURFACE BOND**      Signed surface use agreement is a required attachment

☐ **CHANGE NAME OR NUMBER OF WELL, FACILITY, OIL & GAS LOCATION, OR OGD**

From:    Name    GROTHEER 5-61                      Number    11B-14-23-3                      Effective Date: \_\_\_\_\_

To:        Name    \_\_\_\_\_                      Number    \_\_\_\_\_

☐ **ABANDON PERMIT: Permit can only be abandoned if the permitted operation has NOT been conducted. Field inspection will be conducted to verify site status.**

☐ WELL: Abandon Application for Permit-to-Drill (Form2) – Well API Number \_\_\_\_\_ has not been drilled.

☐ PIT: Abandon Earthen Pit Permit (Form 15) – COGCC Pit Facility ID Number \_\_\_\_\_ has not been constructed (Permitted and constructed pit requires closure per Rule 911)

☐ CENTRALIZED E&P WASTE MANAGEMENT FACILITY: Abandon Centralized E&P Waste Management Facility Permit (Form 28) – Facility ID Number \_\_\_\_\_ has not been constructed (Constructed facility requires closure per Rule 907)

OIL & GAS LOCATION ID Number: \_\_\_\_\_

☐ Abandon Oil & Gas Location Assessment (Form 2A) – Location has not been constructed and site will not be used in the future.

☐ Keep Oil & Gas Location Assessment (Form 2A) active until expiration date. This site will be used in the future.

**Surface disturbance from Oil and Gas Operations must be reclaimed per Rule 1003 and Rule 1004.**

☐ **REQUEST FOR WELL RECORDS CONFIDENTIALITY (Rule 206.c.(1))**

☐ **DIGITAL WELL LOG UPLOAD**

☐ **DOCUMENTS SUBMITTED**      Purpose of Submission: \_\_\_\_\_

☐ **COMPLIANCE with CONDITION OF APPROVAL (COA) on**    Form NO: \_\_\_\_\_    Document Number: \_\_\_\_\_

**RECLAMATION**

**INTERIM RECLAMATION**

☐ Interim Reclamation will commence approximately \_\_\_\_\_

Per Rule 1003.e.(3) operator shall submit Sundry Notice reporting interim reclamation is complete and site is ready for inspection when vegetation reaches 80% coverage.

☐ Interim reclamation complete, site ready for inspection.

Per Rule 1003.e(3) describe interim reclamation procedure in Comments below or provide as an attachment and attach required location photographs.

**Field inspection will be conducted to document Rule 1003.e. compliance**

**FINAL RECLAMATION**

☐ Final Reclamation will commence approximately \_\_\_\_\_

Per Rule 1004.c.(4) operator shall submit Sundry Notice reporting final reclamation is complete and site is ready for inspection when vegetation reaches 80% coverage.

☐ Final reclamation complete, site ready for inspection. Per Rule 1004.c(4) describe final reclamation procedure in Comments below or provide as an attachment.

**Field inspection will be conducted to document Rule 1004.c. compliance**

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      06/15/2022

☐ SUBSEQUENT REPORT      Date of Activity \_\_\_\_\_

- |   |  |  |
|---|--|--|
| <input type="checkbox"/> Bradenhead Plan  | <input type="checkbox"/> Venting or Flaring (Rule 903) | <input type="checkbox"/> E&P Waste Mangement           |
| <input checked="" 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"/> Underground Injection Control  |  |  |
| <input type="checkbox"/> Request approval of Reuse and Recycling Plan per Rule 905.a.(3). (Reuse and Recycling Plan must be attached.)                    |  |  |
| <input type="checkbox"/> Request approval of Alternative Sampling Plan per Rule 909.j.(6). for this Pit. (Alternative Sampling Program must be attached.) |  |  |
| <input type="checkbox"/> 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:

## GAS CAPTURE

### VENTING AND FLARING:

Operation type: \_\_\_\_\_ Operational phase requiring venting/flaring: \_\_\_\_\_

Reason for venting/flaring: \_\_\_\_\_

Describe Other reason for venting/flaring:

Describe why venting or flaring is necessary. If reporting per Rule 903.b.(2), 903.c.(3).C, or 903.d.(2), include the explanation, rationale, and cause of the event:

Describe how the operation will protect and minimize adverse impacts to public health, safety, welfare, the environment, and wildlife resources. If reporting per Rule 903.d.(2), include BMPs used to minimize venting on the BMP Tab:

Total volume of gas vented or flared: \_\_\_\_\_ mcf ☐ estimated ☐ measured

Total duration of emission event: \_\_\_\_\_ hours ☐ consecutive ☐ cumulative

Submit a single representative gas analysis via Form 43 to create a Sample Site Facility ID# for this Location. Reference the Form 43 document number on the Related Forms tab.

Sample Site Facility ID#: \_\_\_\_\_

#### GAS CAPTURE PLAN

Describe the plan to connect to a gathering line or beneficially use the gas; include anticipated timeline:

A Gas Capture Plan that meets the requirements of Rule 903.e is attached. ☐

#### CASING PROGRAM

(No Casing Provided)

#### POTENTIAL FLOW AND CONFINING FORMATIONS

<u>Zone Type</u>	<u>Formation /Hazard</u>	<u>Top M.D.</u>	<u>Top T.V.D.</u>	<u>Bottom M.D.</u>	<u>Bottom T.V.D.</u>	<u>TDS (mg/L)</u>	<u>Data Source</u>	<u>Comment</u>
Groundwater	Laramie-Fox Hills	21	21	310	310	1001-10000	Electric Log Calculation	DAVIS 13-2 (05-123-11569)
Confining Layer	Pierre Fm	310	310	470	470			
Groundwater	Upper Pierre Aquifer	470	470	1437	1430	1001-10000	Other	COGCC UPWQ Report
Confining Layer	Base Upper Pierre	1437	1430	3296	3250			
Hydrocarbon	Larimer Sandstone	3296	3250	3557	3510			
Confining Layer	Pierre Fm	3557	3510	3967	3920			
Hydrocarbon	Sussex Sandstone	3967	3920	4067	4020			
Confining Layer	Pierre Fm	4067	4020	4507	4460			
Hydrocarbon	Shannon Sandstone	4507	4460	4577	4530			
Confining Layer	Pierre Fm	4577	4530	6031	5940			
Subsurface Hazard	Sharon Spring Mbr	6031	5940	6168	6025			Sloughing shale
Hydrocarbon	Niobrara	6168	6025	6484	6110			

#### 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 \_\_\_\_\_ OGDG 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:

- |  |  |
|--|--|
| <input type="checkbox"/> Add Oil and Gas Location(s)                     | <input type="checkbox"/> Add Drilling and Spacing Unit(s)    |
| <input type="checkbox"/> Amend Oil and Gas Location(s)                   | <input type="checkbox"/> Amend Drilling and Spacing Unit(s)  |
| <input type="checkbox"/> Remove Oil and Gas Location(s)                  | <input type="checkbox"/> Remove Drilling and Spacing Unit(s) |
| <input type="checkbox"/> Oil and Gas Location attachment or plan updates | <input type="checkbox"/> Amend the lands subject to the OGDG |
| <input type="checkbox"/> Other   |  |

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

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### **Best Management Practices**

**No BMP/COA Type**

**Description**

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#### **Operator Comments:**

This Form 04 Sundry is being filed for a change in surface location. REVISED Attachments include: Well Location Plat, Deviated Drilling Plan, and Directional Data. Cultural distances have been updated to reflect the new SHL.

Placement of proposed lateral wellbore has not changed; no updated OWE is required.

All previously submitted notices, letters, and Surface Use Agreements are valid. Operator intends to spud this well in mid-June 2022.

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

Signed: \_\_\_\_\_ Print Name: Kate Miller

Title: Spv, Reg Compliance Email: kmiller@civiresources.com Date: \_\_\_\_\_

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

COGCC Approved: \_\_\_\_\_ Date: \_\_\_\_\_

### **CONDITIONS OF APPROVAL, IF ANY:**

**COA Type**

**Description**

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### **General Comments**

**User Group**

**Comment**

**Comment Date**

		Stamp Upon Approval
--	--	---------------------

Total: 0 comment(s)

### **Attachment List**

**Att Doc Num**

**Name**

403056179	DIRECTIONAL DATA
403056181	DEVIATED DRILLING PLAN
403056183	WELL LOCATION PLAT

Total Attach: 3 Files