

State of Colorado
Oil and Gas Conservation Commission

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SUNDRY NOTICE

This form is required for reports, updates, and requests as specified in the COGCC rules. It is also used to request changes to some aspects of approved permits for Wells and Oil and Gas Locations.

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

FORM 4 SUBMITTED FOR:

Facility Type: WELL

API Number : 05- 123 51441 00 ID Number: 478963

Name: Grotheer 5-61 Number: 11B-14-23-5

Location QtrQtr: SESE Section: 11 Township: 5N Range: 61W Meridian: 6

County: WELD Field Name: WATTENBERG

Oil & Gas Location(s) and Oil & 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 -104.170025

GPS Quality Value: 1.4 Type of GPS Quality Value: PDOP Measurement Date: 02/18/2019

Well Ground Elevation: 4685 feet (Required for change of Surface Location.)

WELL LOCATION CHANGE

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

				FNL/FSL		FEL/FWL	
Change of Surface Footage From:				<input type="text" value="610"/>	<input type="text" value="FSL"/>	<input type="text" value="1157"/>	<input type="text" value="FEL"/>
Change of Surface Footage To:				<input type="text" value="460"/>	<input type="text" value="FSL"/>	<input type="text" value="1126"/>	<input type="text" value="FEL"/>
Current Surface Location From	QtrQtr <input type="text" value="SESE"/>	Sec <input type="text" value="11"/>	Twp <input type="text" value="5N"/>	Range <input type="text" value="61W"/>	Meridian <input type="text" value="6"/>		
New Surface Location To	QtrQtr <input type="text" value="SESE"/>	Sec <input type="text" value="11"/>	Twp <input type="text" value="5N"/>	Range <input type="text" value="61w"/>	Meridian <input type="text" value="6"/>		
Change of Top of Productive Zone Footage From:				<input type="text" value="460"/>	<input type="text" value="FNL"/>	<input type="text" value="529"/>	<input type="text" value="FEL"/>
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" value="14"/>	Twp <input type="text" value="5N"/>	Range <input type="text" value="61W"/>			
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:**

FNL

FEL

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

460 FSL

515 FEL **

Current **Base of Productive Zone** Location

Sec

Twp

Range

New **Base of Productive Zone** Location

Sec

Twp

Range

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

360 FSL

515 FEL

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: 5280 Feet
 Building Unit: 5280 Feet
 Public Road: 5280 Feet
 Above Ground Utility: 2749 Feet
 Railroad: 5280 Feet
 Property Line: 460 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? Yes

If YES:

Enter the minimum distance from the Completed Zone of this Well to the Unit Boundary: 460 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: 968 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

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

Comments:

ENGINEERING AND ENVIRONMENTAL WORK

REPORT OF TEMPORARY ABANDONMENT

Describe the method used to ensure that the Well is closed to the atmosphere and the Operator's plans for future operation of the Well in the COMMENTS box below as required by Rule 434.b.(1).

REQUEST FOR TEMPORARY ABANDONMENT EXCEEDING 6 MONTHS

State the reason for the extension request and explain the Operator's plans for future operation of the Well 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	20	20	309	309	1001-10000	Electric Log Calculation	DAVIS 13-2 (05-123-11569)
Confining Layer	Pierre Fm	309	309	469	469			
Groundwater	Upper Pierre Aquifer	469	469	1445	1429	1001-10000	Other	COGCC UPWQ Report
Confining Layer	Base Upper Pierre	1445	1429	3306	3249			
Hydrocarbon	Larimer Sandstone	3306	3249	3572	3509			
Confining Layer	Pierre Fm	3572	3509	3986	3919			
Hydrocarbon	Sussex Sandstone	3986	3919	4086	4019			
Confining Layer	Pierre Fm	4086	4019	4526	4459			
Hydrocarbon	Shannon Sandstone	4526	4459	4596	4529			
Confining Layer	Pierre Fm	4596	4529	6050	5939			
Subsurface Hazard	Sharon Spring Mbr	6050	5939	6187	6024			Sloughing shale
Hydrocarbon	Niobrara	6187	6024	6503	6109			

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 OGDP UPDATES

PROPOSED CHANGES TO AN APPROVED OGDP

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.

Best Management Practices

No BMP/COA Type

Description

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: 5/23/2022

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

COGCC Approved: Wolfe, Stephen Date: 6/17/2022

CONDITIONS OF APPROVAL, IF ANY:

Condition of Approval

COA Type

Description

	Approval of this sundry makes changes to the approved APD and a copy of this sundry along with the APD shall be displayed in the doghouse while this well is being drilled.
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1 COA

General Comments

User Group

Comment

Comment Date

Permit	Uploaded the complete directional drilling PDF Passed Permit Review	05/25/2022
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Total: 1 comment(s)

Attachment List

Att Doc Num	Name
2168534	Directional Drilling Plan PDF
403032846	SUNDRY NOTICE APPROVED-LOC-SFTY-STBK-MNRL-STBK-OBJ-DRLG
403056311	WELL LOCATION PLAT
403056317	DIRECTIONAL DATA
403082747	FORM 4 SUBMITTED
Total Attach: 5 Files	