

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>10790</u>	Contact Name <u>Ryan Keeling</u>
Name of Operator: <u>DENOVA SEQUESTRATION LLC</u>	Phone: <u>(832) 2294908</u>
Address: <u>5525 WEST 56TH AVENUE SUITE 200</u>	Fax: <u>()</u>
City: <u>ARVADA</u> State: <u>CO</u> Zip: <u>80002</u>	Email: <u>ryan@carbonamerica.com</u>

FORM 4 SUBMITTED FOR:

Facility Type: WELL

API Number : 05- 121 11100 00 ID Number: 483939

Name: Denova Number: 1

Location QtrQtr: SENE Section: 28 Township: 1N Range: 49W Meridian: 6

County: WASHINGTON Field Name: WILDCAT

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

Location(s)

Location ID	Location Name and Number
483817	Denova 1

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="1527"/>	<input type="text" value="FNL"/>	<input type="text" value="422"/>	<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="SENE"/>	Sec	<input type="text" value="28"/>	Twp	<input type="text" value="1N"/>	Range	<input type="text" value="49W"/>	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

<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>
LAKOTA	LKTA						X	
LYONS	LYNS						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 04/24/2023

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:

Modifications made were to the weights (grade & connection remain unchanged) of the 9-5/8-inch and 7-inch non-chrome sections, which were necessary due to the availability of casing in the market

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

<u>Casing Type</u>	<u>Size of Hole</u>	<u>Size of Casing</u>	<u>Grade</u>	<u>Wt/Ft</u>	<u>Csg/Liner Top</u>	<u>Setting Depth</u>	<u>Sacks Cmt</u>	<u>Cmt Btm</u>	<u>Cmt Top</u>
CONDUCTOR	26	20	N/A	65	0	80	115	80	0
SURF	17+1/2	13+3/8	J55	54.5	0	700	440	700	0
1ST	12+1/4	9+5/8	J55	40	0	4222	983	4222	0
2ND	8+3/4	7	L80	29/35	0	5150	1109	5150	0

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	Ogallala	0	0	300	300	0-500	USGS	
Confining Layer	Pierre Shale	300	300	2928	2928			
Hydrocarbon	Niobrara	2928	2928	3315	3315			
Hydrocarbon	Ft Hays	3315	3315	3375	3375			
Confining Layer	Carlile	3375	3375	3430	3430			
Confining Layer	Greenhorn	3430	3430	3499	3499			
Confining Layer	Grenaros	3499	3499	3781	3781			
Hydrocarbon	D Sand	3781	3781	3836	3836			
Confining Layer	Huntsman Shale	3836	3836	3857	3857			
Hydrocarbon	J Sand	3857	3857	3993	3993			
Confining Layer	Skull Creek Shale	3993	3993	4120	4120			
Hydrocarbon	Lakota	4120	4120	4239	4239			
Confining Layer	Morrison	4239	4239	4549	4549			
Hydrocarbon	Minnekathta	4549	4549	4569	4569			
Confining Layer	Opeche	4569	4569	4613	4613			
Confining Layer	Day Creek Anhydrite	4613	4613	4738	4738			
Confining Layer	Flowerpot Shale	4738	4738	4788	4788			
Disposal	Lyons	4788	4788	4828	4828			

Confining Layer	Summer Satanka	4828	4828	4872	4872			
Confining Layer	Stone Corral	4872	4872	5038	5038			
Hydrocarbon	Wolfcamp	5038	5038	5150	5150			

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

<u>No BMP/COA Type</u>	<u>Description</u>

Operator Comments:

Second string casing will be changing weight and grade at 4623' from 29# L80 to 35# L80 13CR (chrome casing).

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

Signed: _____ Print Name: Ryan Keeling

Title: Geoscience Compliance Mgr Email: ryan@carbonamerica.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

0 COA

General Comments

User Group

Comment

Comment Date

Stamp Upon
Approval

Total: 0 comment(s)

Attachment List

Att Doc Num

Name

403380037

WELLBORE DIAGRAM

Total Attach: 1 Files