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403082832

Date Received:
06/24/2022

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: 10670

Contact Name Erin Mathews

Name of Operator: MALLARD EXPLORATION LLC

Phone: (720) 543 7951

Address: 1400 16TH STREET SUITE 300

Fax: ()

City: DENVER State: CO Zip: 80202

Email: emathews@mallardexploration.com

FORM 4 SUBMITTED FOR:

Facility Type: WELL

API Number : 05- 123 49658 00 ID Number: 461819

Name: Canvasback Number: 32-33-6HC

Location QtrQtr: SWNW Section: 32 Township: 9N Range: 60W Meridian: 6

County: WELD Field Name: WILDCAT

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

Location(s)

Location ID	Location Name and Number
461821	Canvasback Pad

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)

Change of Surface Footage From:

Change of Surface Footage To:

Current Surface Location From QtrQtr SWNW Sec 32

New Surface Location To QtrQtr Sec

Change of Top of Productive Zone Footage From:

Change of Top of Productive Zone Footage To:

Current Top of Productive Zone Location Sec 32

New Top of Productive Zone Location Sec

FNL/FSL

FEL/FWL

1898 FNL 645 FWL

1472 FSL 300 FWL

2wp 9N Range 60W Meridian 6

2wp Range Meridian

2wp 9N Range 60W

2wp Range

**

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

FSL

FWL

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:**

1472 FSL

300 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: 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>
CODELL	CODL	535-1307	1280	32,33: All			X	
NIOBRARA	NBRR	535-1307	1280	32, 33: All		X		

OTHER

RULE 502 VARIANCE

Order Number: _____

Description:	
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☐ **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 CANVASBACK Number 32-33-6HC Effective Date: 06/21/2022

To: Name Canvasback Number 32-33-6HN

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

☐ 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 06/21/2022

☐ 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:

Formation from CODL to NBRR and name change. SHL/TPZ/BHZ/BHL do not change; no new plat is needed.

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	16	N/A	43	0	80	50	80	0
SURF	13+1/2	9+5/8	J55LTC	36	0	1872	600	1872	0
1ST	8+1/2	5+1/2	HCP110	20	0	17090	2400	17090	1750

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	0	0	263	263	0-500	DWR	
Groundwater	LARAMIE FOX HILLS	263	263	684	683	0-500	DWR	
Confining Layer	PIERRE SHALE	684	683	995	988			
Groundwater	UPPER PIERRE	995	988	1819	1768	1001-10000	Other	COGCC
Confining Layer	PIERRE SHALE	1819	1768	3567	3413			
Hydrocarbon	RICHARD SANDSTONE	3567	3413	3695	3533			
Hydrocarbon	PARKMAN SANDSTONE	3695	3533	4030	3848			
Confining Layer	PIERRE SHALE	4030	3848	6550	6204			
Confining Layer	SHARON SPRINGS SHALE	6550	6204	6600	6242			
Hydrocarbon	NIOBRARA SHALE	6600	6242	17090	6439			Potential Flow Formation Table: The TVD of the deepest hydrocarbon zone is the bottom of the well and not the bottom of the formation. The formation is not planned to be exited.

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:

- | | |
|--|--|
| <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**

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Operator Comments:

SHL/TPZ/BHZ/BHL do not change.
TMD changes from 17280 to 17090
TVD changes from 6571 to 6439

Nearest well in unit is unchanged as Canvasback 32-33-7HN, but with revised distance per anti-collision of 510'.
Nearest outside operated well in unchanged as Shable Federal LB33-78HN, but with revised distance per anti-collision of 74'. The proposed well will not be completed within 150' of the offset well. This well will not be stimulated between 12600'-12950' TMD.

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

Signed: _____ Print Name: Justin Garrett
Title: Sr. Regulatory Analyst Email: regulatory@ascentgeomatrics.com Date: 6/24/2022

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: 10/4/2022

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

	Increase the setting depth of the surface casing to 1872' MD, 50' TVD below the base of the Upper Pierre and adjust the cement volume accordingly. The first string cement plan is to bring cement to the shoe and if so the resulting top of cement shall be a minimum of 100' above the surface casing setting depth.
	Approval of this sundry makes changes to the approved APD. A copy of this sundry shall be displayed along with the APD in the doghouse while this well is being drilled.

2 COAs

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Passed Permit Review	10/04/2022
Engineer	Emailed Operator for anti-collision report. Received and attached.	09/21/2022
Engineer	Emailed Operator for Stimulation Setback Consent from Noble for the Shable LB33-78HN. 9/21/22 Received and attached.	07/05/2022
Total: 3 comment(s)		

Attachment List

<u>Att Doc Num</u>	<u>Name</u>
2466415	STIMULATION SETBACK CONSENT
2466417	ANTI-COLLISION REPORT
403082832	SUNDRY NOTICE APPROVED-OBJ-NAME-DRLG-CSG
403089074	DEVIATED DRILLING PLAN
403089076	DIRECTIONAL DATA
403186582	FORM 4 SUBMITTED
Total Attach: 6 Files	