

State of Colorado
Oil and Gas Conservation Commission

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DE	ET	OE	ES
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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>10670</u>	Contact Name <u>Erin Mathews</u>
Name of Operator: <u>MALLARD EXPLORATION LLC</u>	Phone: <u>(720) 543 7951</u>
Address: <u>1400 16TH STREET SUITE 300</u>	Fax: <u>()</u>
City: <u>DENVER</u> State: <u>CO</u> Zip: <u>80202</u>	Email: <u>emathews@mallardexploration.com</u>

FORM 4 SUBMITTED FOR:

Facility Type: LOCATION

API Number : 05- 123 00 ID Number: 470933

Name: Koloa Number: Pad

Location QtrQtr: NENW Section: 15 Township: 8N Range: 61W Meridian: 6

County: WELD Field Name: _____

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

Location(s)

Location ID	Location Name and Number
470933	Koloa 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)

		FNL/FSL		FEL/FWL	
Change of Surface Footage From:	<input type="text" value="500"/>	<input type="text" value="FNL"/>	<input type="text" value="2621"/>	<input type="text" value="FWL"/>	
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="NENW"/>	Sec <input type="text" value="15"/>	Twp <input type="text" value="8N"/>	Range <input type="text" value="61W"/>	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

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 05/11/2022

SUBSEQUENT REPORT Date of Activity _____

- Bradenhead Plan
 - Change Drilling Plan
 - 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 Update BMP for protection of HPH.
- Venting or Flaring (Rule 903)
 - Repair Well
- E&P Waste Mangement
 - Beneficial Reuse of E&P Waste

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:

COGCC staff requested review of location Wildlife BMP during review of associated Form 2.

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.

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
1	Planning	Implement Mallard's safety program.
2	Traffic control	Speed limits will be enforced on lease roads.
3	General Housekeeping	Mallard will meet weed management targets during construction, drilling, production, and reclamation lifecycles.
4	Wildlife	Mallard will pre-clear all proposed disturbances according to CPW guidance meeting Migratory Bird Treaty Act (MBTA), Bald and Golden Eagle Protection Act (BGEPA) and Endangered Species Act (ESA) laws in protection of active nesting activities, observe CPW/USFWS requested protected buffers for active nesting species, and consult with CPW/USFWS as warranted.
5	Wildlife	Location is within Rule 1202.d. Pronghorn Winter Concentration Area. If well completions operations must occur between January 1 to April 30, prior to conducting the operations, operator will consult with CPW to determine site-specific measures to avoid, minimize, and mitigate adverse impacts to wildlife and the environment
6	Wildlife	Should operators occur during WCA timing (January 1 thru April 30) and significant number of pronghorns are identified in the area, Mallard will have a biologist periodically survey and monitor animal behavior to identify potential negative impacts from operational activities.
7	Wildlife	Mallard will limit the placement of extensive linear barrier features (i.e., fencing, surface lines, berms) that may impact Pronghorn movement and migration.
8	Storm Water/Erosion Control	Employ Mallard's Stormwater Management Program to protect soil resources, minimize erosion, identify pollutants, apply pollutant control measures, and conduct regular inspections.
9	Construction	Fencing will be 3 or 4 strand with the top strand height maximum height of approximately 42 inches, with the lower smooth strand without barbs at a height of approximately 18-inches.
10	Construction	Mallard will quickly excavate, install, and reclaim linear pipeline features that may impact pronghorn movement and migration.
11	Noise mitigation	Prior to the start of construction, Operator will evaluate the location for any new construction of occupied structures within 2,000 feet. If an occupied structure is identified, Operator will contract with a third-party noise expert to perform an analysis of the predicted noise levels.
12	Noise mitigation	Electricity will be brought to the location to power the facility. Use of electricity allows for installation of quieter equipment compared to older equipment such as diesel generators and/or natural gas compressors.
13	Noise mitigation	A quiet frac fleet will be used for completion operations.
14	Noise mitigation	Operator will comply with the maximum permissible noise levels specified in Rule 423.b.(1) and as outlined in Weld County Code Sec 21-5-435.
15	Noise mitigation	All trucks on location will be prohibited from idling when not in use to prevent unnecessary noise.
16	Emissions mitigation	Construction of pipeline infrastructure to provide takeaway of oil, natural gas, and fresh and produced water from the CDP development, eliminating truck traffic and emissions associated with hauling product from oil and gas development and limiting vehicle/wildlife interactions.
17	Drilling/Completion Operations	Mallard intends to perform simultaneous operations, consisting of facility construction during drilling and completions operations, to decrease the duration of impacts.
18	Interim Reclamation	All interim and final reclamation areas will be contoured and re-vegetated to a stable condition to restore natural habitats for wildlife species.

Total: 18 comment(s)

Operator Comments:

The Koloa Pad was approved (and is constructed) prior to the 1202.d High Priority Habitat rulemaking. Mallard is willing to commit to the BMP included in this sundry as protections that we have worked with CPW to develop. No sound walls are proposed for this location as there are no residential building units within 2,000 feet of the location. However, to protect the High Priority Habitat, Mallard is committed to the noise BMP also included in this sundry.

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@ascentgeomatics.com Date: 5/12/2022

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

COGCC Approved: Faber, Laurel Date: 5/15/2022

CONDITIONS OF APPROVAL, IF ANY:

Condition of Approval

COA Type

Description

	Location is within Rule 1202.d. Pronghorn Winter Concentration Area. If well completions operations must occur between January 1 to April 30, prior to conducting the operations, operator will consult with CPW to determine site-specific measures to avoid, minimize, and mitigate adverse impacts to wildlife and the environment.
1 COA	

General Comments

User Group

Comment

Comment Date

		Stamp Upon Approval
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Total: 0 comment(s)

Attachment List

Att Doc Num

Name

403044955	SUNDRY NOTICE APPROVED-OTHER
403049638	FORM 4 SUBMITTED

Total Attach: 2 Files