

State of Colorado Oil and Gas Conservation Commission

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DE	ET	OE	ES
Document Number: 402436579			
Date Received: 08/31/2020			

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: 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

Complete the Attachment
Checklist

OP OGCC

API Number : 05- 123 00 OGCC Facility ID Number: 455576
Well/Facility Name: Harlequin North Well/Facility Number: Pad
Location QtrQtr: NENE Section: 33 Township: 8N Range: 61W Meridian: 6
County: WELD Field Name: WILDCAT
Federal, Indian or State Lease Number:

Survey Plat		
Directional Survey		
Srvc Eqpmt Diagram		
Technical Info Page		
Other		

CHANGE OF LOCATION OR AS BUILT GPS REPORT

☐ Change of Location * ☐ As-Built GPS Location Report ☐ As-Built GPS Location Report with Survey

* Well location change requires new plat. A substantive surface location change may require new Form 2A.

SURFACE LOCATION GPS DATA Data must be provided for Change of Surface Location and As Built Reports.

Latitude GPS Quality Value: Type of GPS Quality Value: Measurement Date:
Longitude GPS Instrument Operator's Name

LOCATION CHANGE (all measurements in Feet)

Well will be: (Vertical, Directional, Horizontal)

Change of **Surface** Footage **From** Exterior Section Lines:

FNL/FSL		FEL/FWL	
<u>1232</u>	<u>FNL</u>	<u>545</u>	<u>FEL</u>
<u></u>	<u></u>	<u></u>	<u></u>

Change of **Surface** Footage **To** Exterior Section Lines:

Current **Surface** Location **From** QtrQtr NENE Sec 33
New **Surface** Location **To** QtrQtr Sec

Twp 8N Range 61W Meridian 6
Twp Range Meridian

Change of **Top of Productive Zone** Footage **From** Exterior Section Lines:

<u></u>	<u></u>	<u></u>	<u></u>
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Change of **Top of Productive Zone** Footage **To** Exterior Section Lines:

<u></u>	<u></u>	<u></u>	<u></u>
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Current **Top of Productive Zone** Location **From** Sec

Twp Range

New **Top of Productive Zone** Location **To** Sec

Twp Range

Change of **Bottomhole** Footage **From** Exterior Section Lines:

<u></u>	<u></u>	<u></u>	<u></u>
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Change of **Bottomhole** Footage **To** Exterior Section Lines:

<u></u>	<u></u>	<u></u>	<u></u>
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Current **Bottomhole** Location Sec Twp

Range ** attach deviated drilling plan

New **Bottomhole** Location Sec Twp

Range

Is location in High Density Area?

Distance, in feet, to nearest building , public road: , above ground utility: , railroad: ,

property line: , lease line: , well in same formation:

Ground Elevation feet Surface owner consultation date

OTHER CHANGES

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

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

From: Name HARLEQUIN NORTH Number PAD 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 905)

☐ 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 908)

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 CONFIDENTIAL STATUS**

☐ **DIGITAL WELL LOG UPLOAD**

☒ **DOCUMENTS SUBMITTED** Purpose of Submission: Update Multi-Well Plan

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 or provide as an attachment, as required by Rule 319.b.(3).

Date well temporarily abandoned _____ Has Production Equipment been removed from site? _____

Mechanical Integrity Test (MIT) required if shut in longer than 2 years. Date of last MIT _____

☐ SPUD DATE: _____

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 Approximate Start Date 09/01/2021

☐ REPORT OF WORK DONE Date Work Completed _____

- | | | |
|--|---|--|
| <input type="checkbox"/> Intent to Recomplete (Form 2 also required) | <input type="checkbox"/> Request to Vent or Flare | <input type="checkbox"/> E&P Waste Mangement Plan |
| <input 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"/> Rule 502 variance requested. Must provide detailed info regarding request. | |
| <input checked="" type="checkbox"/> Other <u>Revise location</u> | <input type="checkbox"/> Status Update/Change of Remediation Plans for Spills and Releases | |

COMMENTS:

H2S REPORTING

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:

Best Management Practices

<u>No</u>	<u>BMP/COA Type</u>	<u>Description</u>
1	Material Handling and Spill Prevention	The location will utilize a SCADA (remote monitoring) system to monitor facility pressures and flows. Sensors are placed on multiple points throughout the facility and are designed to measure the system for irregularities that would indicate a leak in the system or change in production of oil, water, or gas. The SCADA system is designed with alarms that are triggered by irregularities and will activate automatic shut-in of the well and facility.
2	Material Handling and Spill Prevention	Operator will install an engineered containment system around the tank battery. The containment system is constructed of a perimeter of metal walls that are post driven into the ground around a flexible geotextile base. All components are then sprayed with a polyurea liner technology. This liner technology maintains impermeability and is puncture resistance under exposure to UV rays, weather extremes, and chemicals commonly encountered in oil and natural gas production, and provides seamless protection. The liner is then topped with pea gravel. Secondary containment will be installed around separators and treaters consisting of metal berm walls. The separators and treaters will be set on top of compacted road base.
3	Construction	Location will be equipped with remote monitoring capability including tank level alarms.

Total: 3 comment(s)

Operator Comments:

This is part of a multi-pad realignment to maximize efficiency and decrease number and acreage of surface disturbance for wells under approved spacing order 535-1299 to the east covering Sections 34 & 35 of 8N-61W and Sections 2 & 3 of 7N-61W and the proposed Docket #200500143 to the west covering Sections 4 & 5 of 7N-61W, 32 & 33 of 8N-61W, and the S/2 of Sections 28 & 29 of 8N-61W.

Whistling Pad (Loc ID 459773) is being abandoned along with its associated 7 Wells: (05-123-49033, 05-123-49034, 05-123-49035, 05-123-49036, 05-123-49037, 05-123-49038, 05-123-49039)

Pochard East Pad (Loc ID 455274) is being abandoned along with its associated 8 wells (05-123-46955, 05-123-46956, 05-123-46957, 05-123-46958, 05-123-46959, 05-123-46960, 05-123-46964, 05-123-46966)

Pochard West Pad (Loc ID 455220) is being abandoned along with its associated 8 Wells (05-123-46938, 05-123-46939, 05-123-46940, 05-123-46941, 05-123-46942, 05-123-46943, 05-123-46944, 05-123-46945)

Long Tail East Pad (Loc ID 455215) is being abandoned along with its associated 8 Wells (05-123-46923, 05-123-46924, 05-123-46925, 05-123-46927, 05-123-46929, 05-123-46930, 05-123-46931, 05-123-46933)

Long Tail West Pad (Loc ID 455202) is being abandoned along with its associated 8 Wells (05-123-46922, 05-123-46926, 05-123-46928, 05-123-46932, 05-123-46934, 05-123-46935, 05-123-46936, 05-123-46937)

Muscovy Pad (Loc ID 466968) is being realigned, where 15 of the 16 Wells (05-123-50521, 05-123-50522, 05-123-50523, 05-123-50524, 05-123-50525, 05-123-50526, 05-123-50527, 05-123-50528, 05-123-50529, 05-123-50530, 05-123-50531, 05-123-50532, 05-123-50533, 05-123-50534, 05-123-50535, 05-123-50536) will be respaced to 8 wells going West and 8 wells going East.

Harlequin North Pad (Loc ID 455576) is being realigned, where all 8 Wells (05-123-47141, 05-123-47142, 05-123-47143, 05-123-47144, 05-123-47145, 05-123-47146, 05-123-47147, 05-123-47148) will be respaced to 6 wells going West and 2 going East.

Harlequin South Pad (Loc ID 455687) is being realigned, where all 8 Wells (05-123-47222, 05-123-47223, 05-123-47224, 05-123-47225, 05-123-47226, 05-123-47227, 05-123-47228, 05-123-47229) will be respaced to 4 going West and 4 going East.

There have been no new buildings constructed and no changes to the surrounding land use.

Well site construction began 8/27/2020.

This location is not in a buffer or exception zone, so no notices are required under Rule 305.

All previously submitted notices, Surface Use Agreements, and letters are also still valid.

Operator consulted with the Briggsdale Fire Protection District and the Weld County Office of Emergency Management (OEM) regarding the proposed facility and emergency response for this location. The site-specific Emergency Action Plan was approved by the OEM on June 21, 2018.

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: Regulatory Analyst Email: regulatory@ascentgeomatics.com Date: 8/31/2020

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

COGCC Approved: NOTO, JOHN Date: 9/18/2020

CONDITIONS OF APPROVAL, IF ANY:

COA Type	Description

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General Comments

User Group	Comment	Comment Date
OGLA	OGLA review complete and task passed.	09/16/2020
Permit	Permit review complete.	09/14/2020
OGLA	The following changes were made with Operator concurrence: - removed "Engineering/Environmental" tab comment & edited "Submit" tab comment	09/09/2020

Total: 3 comment(s)

Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
402436579	SUNDRY NOTICE APPROVED-OTHER-DOC
402478285	MULTI-WELL PLAN
402492944	FORM 4 SUBMITTED
Total Attach: 3 Files	