

State of Colorado
Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203
Phone: (303) 894-2100 Fax: (303) 894-2109



DE	ET	OE	ES
Document Number: 402436579			
Date Received:			

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:

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

Current Surface Location From	QtrQtr	<input type="text" value="NENE"/>	Sec	<input type="text" value="33"/>	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** Exterior Section Lines:

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

Current **Top of Productive Zone** Location **From** Sec

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

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

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

Current **Bottomhole** Location Sec Twp Range

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 _____

	FNL/FSL		FEL/FWL	
Change of Surface Footage From Exterior Section Lines:	<input type="text" value="1232"/>	<input type="text" value="FNL"/>	<input type="text" value="545"/>	<input type="text" value="FEL"/>
Change of Surface Footage To Exterior Section Lines:	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Change of Top of Productive Zone Footage From Exterior Section Lines:	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Change of Top of Productive Zone Footage To Exterior Section Lines:	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text" value="**"/>
Change of Bottomhole Footage From Exterior Section Lines:	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Change of Bottomhole Footage To Exterior Section Lines:	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text" value="**"/>

** attach deviated drilling plan

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 _____

- Intent to Recomplete (Form 2 also required)
- Request to Vent or Flare
- E&P Waste Mangement Plan
- Change Drilling Plan
- Repair Well
- Beneficial Reuse of E&P Waste
- Gross Interval Change
- Rule 502 variance requested. Must provide detailed info regarding request.
- Other Revise location
- Status Update/Change of Remediation Plans for Spills and Releases

COMMENTS:

Need location details

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

No	<u>BMP/COA Type</u>	<u>Description</u>
5	Construction	Location will be equipped with remote monitoring capability including tank level alarms.
5	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.
5	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.

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, 05-123-50526, 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.

The well site has not yet been constructed.

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: _____

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:

<u>COA Type</u>	<u>Description</u>

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
		Stamp Upon Approval

Total: 0 comment(s)

Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
402478285	MULTI-WELL PLAN

Total Attach: 1 Files

