

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: 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: 455769
Well/Facility Name: Shelduck South Well/Facility Number: Pad
Location QtrQtr: Lot 6 Section: 6 Township: 7N Range: 60W 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

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>1382</u>	<u>FSL</u>	<u>629</u>	<u>FWL</u>

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

<u></u>	<u></u>	<u></u>	<u></u>
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Current **Surface** Location **From** QtrQtr Lot 6 Sec 6

Twp 7N Range 60W Meridian 6

New **Surface** Location **To** QtrQtr Sec

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 SHELDUCK SOUTH 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: MWP

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 12/01/2020

☐ 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 type="checkbox"/> Bradenhead Plan | <input type="checkbox"/> Status Update/Change of Remediation Plans for Spills and Releases | |
| <input checked="" type="checkbox"/> Other <u>Revise equipment, MWP</u> | | |

COMMENTS:

Revised Equipment Counts:
Wells: 8 (unchanged)
Pump Jacks: 8 (unchanged)
Gas or Diesel Motors: 8 (unchanged)
Oil Tanks: 16 to 5
Separators: 8 to 10
Electric Motors: 8 (unchanged)
Vapor Recovery Units: 4 to 0
Electric Generators: 2 (unchanged)
Water Tanks: 8 to 5
Modular Large Volume Tanks: 2 (unchanged)
Gas Compressors: 2 to 3
LACT Units: 2 (unchanged)
Emission Control Devices: 4 (unchanged)
Fired Vessels: 8 to 0
Vapor Recovery Towers: 1 to 0
Sump: 0 to 1
ECD Knockout Drums: 0 to 3
Instrument Air Skid: 0 to 1
Gas Lift Distribution Meter Skid: 0 to 1
Sales Gas Scrubber: 0 to 1
Sales Gas Skid: 0 to 1

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:

The Shelduck 6-5-1HN (API: 05-123-47244), Shelduck 6-5-2HC (API: 05-123-47245), Shelduck 6-5-3HN (API: 05-123-47243), Shelduck 6-5-4HN (API: 05-123-47241), Shelduck 6-5-5HN (API: 05-123-47247), Shelduck 6-5-6HC (API: 05-123-47240), Shelduck 6-5-7HN (API: 05-123-47242), and Shelduck 6-5-8HN (API: 05-123-47246) are being abandoned along with the Shelduck North Pad Location (Loc ID 455765).

The Shelduck 6-5-9HN (API: 05-123-47250) to be known as Shelduck 6-5-1HN, The Shelduck 6-5-10HN (API: 05-123-47254) to be known as Shelduck 6-5-2HN, The Shelduck 6-5-11HC (API: 05-123-47249) to be known as Shelduck 6-5-3HN, The Shelduck 6-5-12HN (API: 05-123-47252) to be known as Shelduck 6-5-4HN, The Shelduck 6-5-13HN (API: 05-123-47248) to be known as Shelduck 6-5-5HN, The Shelduck 6-5-14HN (API: 05-123-47253) to be known as Shelduck 6-5-6HN, The Shelduck 6-5-15HC (API: 05-123-47255) to be known as Shelduck 6-5-7HN, and the Shelduck 6-5-16HN (API: 05-123-47251) to be known as Shelduck 6-5-8HN will be renamed and respaced across Sections 5 and 6 with revised TPZ and BHL to meet setbacks in accordance with spacing amendments in approved spacing order 535-1332.

There have been no new buildings constructed and no changes to the surrounding land use and mineral lease description. The SHL of the existing wells are unchanged; cultural distances from wells are unchanged but have been updated to include school facility distances. Revised equipment does not incur any revisions to disturbance area. 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 August 5, 2020.

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: 11/10/2020

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

COGCC Approved: ANDREWS, DOUG Date: 11/11/2020

CONDITIONS OF APPROVAL, IF ANY:**COA Type****Description**

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General Comments

User Group	Comment	Comment Date
Routing Review	A task has been opened for the OGLA Group to review the information provided by the operator.	11/10/2020

Total: 1 comment(s)

Attachment Check List

Att Doc Num	Name
402440381	SUNDRY NOTICE APPROVED-OTHER-DOC
402514849	MULTI-WELL PLAN
402530603	FORM 4 SUBMITTED

Total Attach: 3 Files