

**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: 402691109			
Date Received: 05/19/2021			

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 46649 00 OGCC Facility ID Number: 454603
 Well/Facility Name: Cinnamon Teal Well/Facility Number: 35-11HC
 Location QtrQtr: SESW Section: 35 Township: 8N Range: 60W Meridian: 6
 County: WELD Field Name: WILDCAT
 Federal, Indian or State Lease Number: COC60697

Survey Plat		
Directional Survey		
Srfc 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: HORIZONTAL (Vertical, Directional, Horizontal)

Change of Surface Footage From Exterior Section Lines:	<input type="text" value="550"/>	<input type="text" value="FSL"/>	<input type="text" value="2120"/>	<input type="text" value="FWL"/>
Change of Surface Footage To Exterior Section Lines:	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Current Surface Location From QtrQtr <input type="text" value="SESW"/> Sec <input type="text" value="35"/>	Twp <input type="text" value="8N"/>	Range <input type="text" value="60W"/>	Meridian <input type="text" value="6"/>	
New Surface Location To QtrQtr <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:	<input type="text" value="300"/>	<input type="text" value="FSL"/>	<input type="text" value="1900"/>	<input type="text" value="FEL"/>
Change of Top of Productive Zone Footage To Exterior Section Lines:	<input type="text" value="300"/>	<input type="text" value="FSL"/>	<input type="text" value="2350"/>	<input type="text" value="FWL"/> **
Current Top of Productive Zone Location From Sec <input type="text" value="35"/>	Twp <input type="text" value="8N"/>	Range <input type="text" value="60W"/>		
New Top of Productive Zone Location To Sec <input type="text" value="35"/>	Twp <input type="text" value="8N"/>	Range <input type="text" value="60W"/>		
Change of Bottomhole Footage From Exterior Section Lines:	<input type="text" value="300"/>	<input type="text" value="FNL"/>	<input type="text" value="1900"/>	<input type="text" value="FEL"/>
Change of Bottomhole Footage To Exterior Section Lines:	<input type="text" value="300"/>	<input type="text" value="FNL"/>	<input type="text" value="2350"/>	<input type="text" value="FWL"/> **
Current Bottomhole Location Sec <input type="text" value="35"/> Twp <input type="text" value="8N"/>	Range <input type="text" value="60W"/>	** attach deviated drilling plan		
New Bottomhole Location Sec <input type="text" value="35"/> Twp <input type="text" value="8N"/>	Range <input type="text" value="60W"/>			

Is location in High Density Area? No
 Distance, in feet, to nearest building _____, public road: _____, above ground utility: _____, railroad: _____,
 property line: _____, lease line: _____, well in same formation: 653
 Ground Elevation _____ feet Surface owner consultation date _____

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>
NIOBRARA	NBRR	535-942	640	35: All

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 CINNAMON TEAL Number 35-11HC Effective Date: 06/01/2021

To: Name Cinnamon Teal Fed Number 35-4HN

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: _____

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 06/01/2021

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 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"/> 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 type="checkbox"/> Other _____ | | |

COMMENTS:

Mallard is proposing changes to the Cinnamon Teal Pad (Loc ID: 454592) to reduce the number of wells from 14 to 8 using existing surface locations. The well site has been constructed. There have been no new buildings constructed. There has been no change in the land use. All previously submitted notices and letters are also still valid. The Local Government Information and Cultural Distances are unchanged.

The Cinnamon Teal Fed 35-1HN (API: 05-123-46636), Cinnamon Teal Fed 35-2HC (API: 05-123-46638), Cinnamon Teal Fed 35-3HN (API: 05-123-46642), Cinnamon Teal Fed 35-4HN (API: 05-123-46640), Cinnamon Teal Fed 35-5HN (API: 05-123-46643), Cinnamon Teal 35-13HN (API: 05-123-46645), and Cinnamon Teal 35-14HN (API: 05-123-46647) are being abandoned. Cinnamon Teal Fed 35-6HC (API: 05-123-46637) to be known as Cinnamon Teal Fed 35-1HN will change from CODL to NBRR with a revised TPZ/BHL lateral in Section 35; Cinnamon Teal Fed 35-7HN (API: 05-123-46639) to be known as Cinnamon Teal Fed 35-2HN with a revised TPZ/BHL lateral in Section 35; Cinnamon Teal Fed 35-8HN (API: 05-123-46641) to be known as Cinnamon Teal Fed 35-3HN with a revised TPZ/BHL lateral in Section 35; Cinnamon Teal 35-11HC (API: 05-123-46649) to be known as Cinnamon Teal Fed 35-4HN will change from CODL to NBRR with a revised TPZ/BHL lateral in Section 35; Cinnamon Teal 35-12HN (API: 05-123-46648) to be known as Cinnamon Teal 35-5HN with a revised TPZ/BHL lateral in Section 35; Cinnamon Teal 35-13HN (API: 05-123-46645) to be known as Cinnamon Teal 35-6HN with a revised TPZ/BHL lateral in Section 35. Cinnamon Teal 35-15HC (API: 05-123-46646) and Cinnamon Teal 35-16HN (API: 05-123-46650) are producing and will be unchanged. All lateral changes are within the approved spacing per Order 535-1095.

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	1550	525	1550	0
1ST	8+1/2	5+1/2	HCP110	20	0	11477	1550	11477	1550

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 SHALE	0	0	151	151	0-500	DWR	
Groundwater	LARAMIE FOX HILLS	151	151	535	535	0-500	DWR	
Confining Layer	PIERRE SHALE	535	535	835	835			
Confining Layer	PIERRE SHALE	535	535	835	835	0-500	Electric Log Calculation	
Groundwater	UPPER PIERRE	835	835	1554	1546	0-500	DWR	
Confining Layer	PIERRE SHALE	1554	1546	3352	3312			
Hydrocarbon	RICHARD SANDSTONE	3352	3312	3468	3426			
Hydrocarbon	PARKMAN SANDSTONE	3468	3426	3814	3766			
Confining Layer	PIERRE SHALE	3814	3766	6195	6101			
Confining Layer	SHARON SPRINGS SHALE	6195	6101	6247	6144			
Hydrocarbon	NIOBRARA SHALE	6247	6144	11476	6464			

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:

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Best Management Practices

No BMP/COA Type

Description

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Operator Comments:

Nearest wellbore permitted or completed in the same formation per anti-collision is the proposed Cinnamon Teal Fed35-3HN @ 653'. Nearest permitted or existing wellbore belonging to another operator per anti-collision is the Federal Osprey 35-3 (API: 05-123-20272) PR Status @ 310'.

TPZ - TMD:6771, TVD:6367
BPZ/BHL - TMD:11477, TVD:6367

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: 5/19/2021

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: 11/29/2021

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

	Approval of this sundry constitutes a change to the approved APD, Doc #402331252, for this well and this sundry shall be displayed along with the APD in the doghouse while this well is being drilled.
	Offset well evaluation COA in addition to those listed on the currently approved APD. Operator acknowledges the proximity of the listed non-operated wells. Operator assures that this offset list will be remediated per the DJ Basin Horizontal Offset Policy (option 4). Operator will submit a Form 42 ("OTHER- AS SPECIFIED BY PERMIT CONDITION") stating that appropriate mitigation will be completed, during the hydraulic stimulation of this well. No stimulation will occur within 1500' of this well. WEITZEL 1-3 (API 123-14473) DA.
	Updated COA to those found on the currently approved APD. 1) Submit Form 42 electronically to COGCC 2 business days prior to MIRU (spud notice) for the first well activity with a rig on the pad and provide 2 business day spud notice via Form 42 for all subsequent wells drilled on the pad. 2) Comply with Rule 408.j. and provide cement coverage from TD to a minimum of 500' above Niobrara. Verify coverage with cement bond log.

3 COAs

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Engineer	Updated for sundries •TD updated •Offset wells reviewed •408.t - None •408.u - None •Engineering review complete	07/29/2021

Total: 1 comment(s)

Attachment List

<u>Att Doc Num</u>	<u>Name</u>
402691109	SUNDRY NOTICE APPROVED-LOC-NAME-DRLG-CSG
402691162	WELL LOCATION PLAT
402691163	DEVIATED DRILLING PLAN
402691164	DIRECTIONAL DATA
402882004	FORM 4 SUBMITTED

Total Attach: 5 Files