

**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: <u>402774650</u>			
Date Received: <u>08/09/2021</u>			

**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: 10243 Contact Name Whitney Lancaster  
 Name of Operator: GMT EXPLORATION COMPANY LLC Phone: (303) 586 9289  
 Address: 1560 BROADWAY STE 2000 Fax: ( )  
 City: DENVER State: CO Zip: 80202 Email: w.eberhardt@gmtextploration.com

Complete the Attachment  
Checklist

OP OGCC

API Number : 05- 039 00 OGCC Facility ID Number: 479191  
 Well/Facility Name: Crystal-Ruby Well/Facility Number: Pad  
 Location QtrQtr: NESE Section: 22 Township: 6S Range: 65W Meridian: 6  
 County: ELBERT Field Name: \_\_\_\_\_  
 Federal, Indian or State Lease Number: \_\_\_\_\_

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: \_\_\_\_\_ (Vertical, Directional, Horizontal)

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

FNL/FSL		FEL/FWL	
1932	FSL	838	FEL

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

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Current **Surface** Location **From** QtrQtr NESE Sec 22

Twp 6S Range 65W Meridian 6

New **Surface** Location **To** QtrQtr \_\_\_\_\_ Sec \_\_\_\_\_

Twp \_\_\_\_\_ Range \_\_\_\_\_ Meridian \_\_\_\_\_

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

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

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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:

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

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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 CRYSTAL-RUBY 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 (Form 2) – 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: Natural Resource Assessment memo

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 \_\_\_\_\_

REPORT OF WORK DONE Date Work Completed 08/04/2021

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

**COMMENTS:**

As discussed with Greg Deranleau on-site on 8/4, and by phone on 8/6, GMT is providing the attached Natural Resource Assessment memo (as 'Other') to confirm that no Ordinary High Water Mark (OHWM) or Ordinary High Water Line (OHWL) exist within 500 ft of the Crystal-Ruby Well Pad or access road. GMT acknowledges and accepts the Best Management Practices (BMPs) specified by CPW and included on Doc# 402673029 and approved by the COGCC on 5/27/21.

**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:

Empty rectangular box for comments.

**Best Management Practices**

No	BMP/COA Type	Description
1	Material Handling and Spill Prevention	GMT will not construct or utilize any pits.
2	Material Handling and Spill Prevention	GMT will construct lined berms or other lined containment devices pursuant to Rule 603.o around any new crude oil, condensate, and produced water storage Tanks that are installed after January 15, 2021.
3	Material Handling and Spill Prevention	GMT will contain Flowback and Stimulation Fluids in Tanks that are placed on a Working Pad Surface in an area with downgradient perimeter berming.
4	Material Handling and Spill Prevention	GMT will inspect the Oil and Gas Location on a daily basis.
5	Material Handling and Spill Prevention	GMT will maintain adequate Spill response equipment at the Oil and Gas Location during drilling and completion operations.

Total: 5 comment(s)

**Operator Comments:**

This sundry is intended as a supplement to the in-process sundry Doc #402739813 for the Crystal-Ruby Pad and allow for the approval of the Form 2 currently in-process:

Crystal 6-65 22-10	1HN	402071760
Crystal 6-65 22-10	2HN	402073374
Crystal 6-65 22-10	3HN	402071783
Crystal 6-65 22-10	4HN	402071812
Crystal 6-65 22-10	5HN	402071807
Crystal 6-65 22-10	6HN	402071809
Crystal 6-65 22-10	7HN	402073371
Crystal 6-65 22-10	8HN	402073378
Crystal 6-65 22-10	9HN	402073377
Crystal 6-65 22-10	10HN	402073376
Ruby 6-65 22-27	1HN	402073375
Ruby 6-65 22-27	2HN	402073374
Ruby 6-65 22-27	3HN	402073373
Ruby 6-65 22-27	4HN	402073372
Ruby 6-65 22-27	5HN	402074869
Ruby 6-65 22-27	6HN	402074870
Ruby 6-65 22-27	7HN	402074871
Ruby 6-65 22-27	8HN	402074872
Ruby 6-65 22-27	9HN	402074873
Ruby 6-65 22-27	10HN	402074874

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@ascentgeomatrics.com Date: 8/9/2021

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

COGCC Approved: DERANLEAU, GREG Date: 8/11/2021

**CONDITIONS OF APPROVAL, IF ANY:**

**Condition of Approval**

**COA Type**

**Description**

0 COA

**General Comments**

**User Group**

**Comment**

**Comment Date**

OGLA	COGCC conferred with CPW Energy Liaison regarding the information contained on this Form 4. CPW agreed that if there was no verification of an Ordinary High Water Line in the field then there would be no applicable setback for 1202.c.(1)R. CPW requested that the operator employ BMPs as previously discussed to ensure protection of the mule deer severe winter habitat and potential leopard frog habitat. The BMPs contained herein and previously approved address those issues.	08/11/2021
OGLA	<p>On August 4, 2021 Environmental Manager, Greg Deranleau, met onsite with the following GMT representatives: Dennis Snow (VP Operations, GMT), Maxwell Blair (President, Max, LLC), Tim DeMasters (Principal/Sr Ecologist, Corvus Environmental Consulting LLC) ) at the approved but unbuilt Crystal-Ruby Oil and Gas Location. The group walked from the approximate proposed origin of the access road north (down gradient) to a point in the drainage greater than 500' beyond the boundary of the proposed oil and gas location. The group traversed both the upland area where the pad is proposed and the drainage bottom to directly observe signs of water flow and vegetation. During the onsite, I observed no flowing or standing water anywhere in the drainage, a saturated and pooled area was noted north of the county road construction near the origin of the proposed access roads. The water observed appeared to be in an anthropomorphic depression disconnected from and topographically higher than the bottom of the drainage.</p> <p>I observed two areas in or near the bottom of the drainage where vegetation was not present. The soil appeared sandy in both locations, and based on the lack of defined flowpath into or out of the areas, it appears that when water pools during storm flow or flood flow, the remaining standing water infiltrates or evaporates, rather than flows overland downstream. The overall morphology of the channel appears to be that of an upland swale subject to ephemeral flows.</p> <p>In following and traversing the drainage, I found no evidence consistent with COGCC's 100-Series Definition of Ordinary High Water Line. There was no line impressed on the land due to consistent coverage by water with characteristics distinguishable above or below such a line. There were no continuous or contiguous areas where the vegetation was differentiated along the low point of the drainage from the areas surrounding it. The entire area was dominated by upland vegetation, including smooth brome, alfalfa, sunflowers and other grasses and forbs. Aside from the two limited areas described above and a two-track "road", there was no area that was deprived of substantially all terrestrial vegetation. The entire area could be used for agricultural purposes, such as grazing cattle.</p> <p>Based on my observations, I conclude that there is no Ordinary High Water Line within the drainage within 500 feet of the approved, unbuilt Crystal-Ruby oil and gas location and therefore the design of the pad complies with COGCC Rule 1202.c.(1)R, effective January 15, 2021.</p>	08/10/2021

Total: 2 comment(s)

**Attachment List**

**Att Doc Num**

**Name**

402774650	SUNDRY NOTICE APPROVED-OTHER-DOC
402774662	OTHER
402777344	FORM 4 SUBMITTED

Total Attach: 3 Files