

1120 Lincoln Street, Suite 801, Denver, Colorado 80203
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Document Number:
402774650

Date Received:
08/09/2021

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@gmtexploration.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		
Srvc Eqpmnt Diagram		
Technical Info Page		
Other		

☐ 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:

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

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

New **Surface** Location To QtrQtr Sec

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	
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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

New **Bottomhole** Location Sec Twp

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	
1932	FSL	838	FEL
Twp 6S	Range 65W	Meridian 6	
Twp	Range	Meridian	
			**
Twp	Range		
Twp	Range		
			**
Range		** attach deviated drilling plan	
Range			

** 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 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 (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: 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

- | | | |
|--|---|--|
| <input type="checkbox"/> Intent to Recomplete (Form 2 also required) | <input type="checkbox"/> Request to Vent or Flare | <input type="checkbox"/> E&P Waste Management 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 Add BMP _____ | | |

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:

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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@ascentgeomatics.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