

FORM  
5Rev  
12/20

## State of Colorado

## Energy &amp; Carbon Management Commission

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



Document Number:

403200795

Date Received:

## DRILLING COMPLETION REPORT

Per Rule 308A, this form and all required attachments shall be submitted after completing the drilling operations to drill, sidetrack, or deepen a wellbore and after changing the casing and/or cement configuration of a wellbore. If any attempt has been made to test, complete, or produce the well, the operator shall also submit a Form 5A (Completed Interval Report) per Rule 308B. If the well has been plugged, the operator shall also submit a Form 6 (Well Abandonment Report) per Rule 311.

Completion Type ☐ Final completion ☒ Preliminary completion

OGCC Operator Number: 10243

Contact Name: Whitney Eberhardt

Name of Operator: GMT EXPLORATION COMPANY LLC

Phone: (303) 5869289

Address: 4949 S NIAGARA ST SUITE 250

Fax:

City: DENVER

State: CO

Zip: 80237

Email: w.eberhardt@gmtexploration.com

API Number 05-039-06693-00

County: ELBERT

Well Name: Marble 6-65 24-12

Well Number: 1HN

Location: QtrQtr: NESW Section: 24 Township: 6S Range: 65W Meridian: 6  
FNL/FSL FEL/FWL

Footage at surface: Distance: 1527 feet Direction: FSL Distance: 1808 feet Direction: FWL

As Drilled Latitude: 39.510866 As Drilled Longitude: -104.617929

GPS Data: GPS Quality Value: 1.4 Type of GPS Quality Value: PDOP Date of Measurement: 07/26/2023

\*\* If directional footage at Top of Prod. Zone Dist: 2029 feet Direction: FNL Dist: 650 feet Direction: FWL  
Sec: 24 Twp: 6S Rng: 65W  
FNL/FSL FEL/FWL\*\* If directional footage at Bottom Hole Dist: 550 feet Direction: FNL Dist: 650 feet Direction: FWL  
Sec: 12 Twp: 6S Rng: 65W  
FNL/FSL FEL/FWL

Field Name: DJ HORIZONTAL NIOBRARA

Field Number: 16950

Federal, Indian or State Lease Number:

Spud Date: (when the 1st bit hit the dirt) 04/24/2022 Date TD: 04/26/2022 Date Casing Set or D&amp;A: 04/26/2022

Rig Release Date: 04/26/2022 Per Rule 308A.b.

Well Classification:

☐ Dry ☒ Oil ☐ Gas/Coalbed ☐ Disposal ☐ Stratigraphic ☐ Enhanced Recovery ☐ Storage ☐ Observation

Total Depth MD 2742 TVD\*\* 2730 Plug Back Total Depth MD 2742 TVD\*\* 2730

Elevations GR 6276 KB 6299

Digital Copies of ALL Logs must be Attached



List All Logs Run:

CBL

## FLUID VOLUMES USED IN DRILLING OPERATIONS

(Enter "0" if a type of a fluid was not used. Do not leave blank.)

Total Fluids (bbls): 4414

Fresh Water (bbls): 2055

Recycled or Reused Fluids That Offset the Use of Fresh Water (bbls): 2359

**CASING, LINER AND CEMENT**

<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>	<u>Status</u>
SURF	12+1/4	9+5/8	J-55	36	0	2732	522	2732	0	VISU

Bradenhead Pressure Action Threshold 820 psig

This threshold is calculated per Rule 308A.b.(2)G. If this well is located in a bradenhead test area (see Rule 207.b) per an Order of the Commission, it may be subject to a different threshold.

Does the casing centralization comply with Rule 317.g? Yes

If "NO", provide details below.

**STAGE/TOP OUT/REMEDIAL CEMENT**Cement work date: 05/12/2022

Method used	String	Cementing tool setting/perf depth	Cement volume	Cement top	Cement bottom
SQUEEZE	SURF	1,080	500	950	1,096
SQUEEZE	SURF	866	513	490	890
SQUEEZE	SURF	0	50	0	2,732
SQUEEZE	SURF	388	115	0	388

Details of work:

It was determined that remedial cement was needed because cement in casing fell, so topped off with 50 sxs from surface. Visual TOC was at surface. Ran a CBL and TOC was at 1170' and there was additional cement from 0'-240'.

Perf'd at 1096' then set CICR at 1080' and pumped 500 sx of cement. TOC at 950' per 2nd CBL.

Perf'd at 890', then set a RBP at 950', could not establish circulation. Pulled up and perf'd at 380' - 382' then set CICR at 409', could not establish full circulation. Release retainer at 409'. TIH and set another CICR 866'. Sting into retainer and pump 513 sx cement. Sting out retainer and run CBL - TOC @ 490' per CBL. TOOH. TIH to 388' and pumped 115 sxs to surface.

**FORMATION LOG INTERVALS AND TEST ZONES**

FORMATION NAME	Measured Depth		Check if applies		COMMENTS (All DST and Core Analysis must be submitted to COGCC)
	Top	Bottom	DST	Cored	
DAWSON	445				
DENVER	622				
ARAPAHOE	1,471				
FOX HILLS	2,263				
PIERRE	2,666				

Operator Comments:

This well was only drilled to 2742'MD and did not reach the projected TPZ, therefore, the TPZ and BHL submitted with this Form 5 are estimates. Actual TPZ and BHL footages will be reported with the final Form 5. As-drilled directional survey and data have been attached.

Drilling of this well has been suspended. GMT is currently evaluating the economics of drilling this well to TD and completing. Activity is expected to resume the first quarter of 2025. If it is determined that this well will be economic, GMT will complete and produce it. If it is determined that this well will not be economic to produce, the wellbore will be abandoned and plugged.

Alternate logging program no open hole logs were run on this wellbore, the open hole log is attached to Marble 2HN (05-039-06704-00).

I hereby certify all statements made in this form are, to the best of my knowledge, true, correct, and complete.

Signed: \_\_\_\_\_

Print Name: Whitney Eberhardt

Title: Engineer Technician

Date: \_\_\_\_\_

Email: w.eberhardt@gmtexploration.com

### **Attachment Check List**

Att Doc Num	Document Name	attached ?			
<u>Attachment Checklist</u>					
403482809	CMT Summary *	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
	Core Analysis	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
403482826	Directional Survey **	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
	DST Analysis	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
	Logs	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
	Other	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
<u>Other Attachments</u>					
403482832	DIRECTIONAL DATA	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
403482843	PDF-CBL 2ND RUN	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
403482844	PDF-CEMENT BOND	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
403482845	PDF-CBL 3RD RUN	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
403482846	PDF-CBL 1ST RUN	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>

### **General Comments**

<b><u>User Group</u></b>	<b><u>Comment</u></b>	<b><u>Comment Date</u></b>
Engineer	SC only - need Suspend Operations statement; confirm BHL; well has PR and FF report	07/24/2023

Total: 1 comment(s)