
DUST MITIGATION PLAN

GMT EXPLORATION COMPANY LLC

Cinnamon 6-64 19-7 Pad

Sec. 19 T6S R64W (S/2NW/4)

Elbert County, Colorado

Surface: Fee

Submitted as an accompaniment to the Form 2A Application
and consistent with the requirements of Rule 427.a.

June 15, 2022

GMT Exploration Company LLC Elbert County, Colorado

Dust Mitigation Plan

Project Summary:

GMT Exploration Company LLC's (GMT's) proposed Cinnamon 6-64 19-7 Pad "Location" is located in Township 6 South Range 64 West of Section 19 in Elbert County, Colorado. The proposed location is on fee surface with a total Location disturbance of 18.531 acres which includes the active working pad surface area of 7.976 acres. During interim reclamation and the production phase 12.318 acres will be reclaimed leaving a disturbed production area of 6.213 acres. Construction is anticipated to begin no sooner than January 2023.

Plan

Project Overview:

GMT's Dust Mitigation Plan is intended to facilitate compliance with the applicable regulations of the Colorado Oil and Gas Conservation Commission, the Colorado Department of Public Health and Environment and Elbert County.

GMT's development of the Cinnamon 6-64 19-7 Pad ("Location") requires earth disturbing activities and travel on unpaved roads which has the potential to produce fugitive dust emissions.

Dust associated with the Location activities and traffic on roads will be minimized throughout all phases such that there are minimal visible dust emissions from the Location or associated roads to the maximum extent practicable given wind and other weather conditions.

Sand, silica, or other materials used during the completion phase will be stored in covered containers. GMT will utilize Sandbox if available.

Any chemical application will have Safety Data Sheets on location.

Compliance with Rule 427.a.

1. Wellpad and Access Road soil types:
 - 9 - Bresser-Truckton sandy loams, 8 to 25 percent slopes
2. Proposed vehicle speed limit: 25 MPH or less on roads; 5 MPH or less on the Location.
3. Total disturbed area: 23.003 acres
 - Wellpad: 18.531 acres
 - Access Road: 4.472 acres

4. Please see enclosed Haul Route Map.

5. Number of truck trips during the Construction, Drilling, Completion and Production stages:

Development State	Time Frame	Traffic Per Stage - Daily
Surface Construction	45 Days	44
Drilling per well	30 Days	50
Completion per well	40 Days	112
Flowback per well	14 - 21 Days	52
Production	20 Years	±1

6. Plan for Suppressing Fugitive Dust Caused by Wind:

- If wind conditions are such that work cannot be completed without creating fugitive dust, action will be immediately taken to apply water to all dust-creating surfaces.
- Regular road maintenance will be implemented to mitigate fugitive dust.
- Avoid unnecessary work on dust generating on high wind days.
- Natural or artificial windbreaks may be utilized as appropriate.
- Utilize gravel in high wind areas on specific portions of roads and wellpads.

7. Best Management Practices:

- GMT will gravel all working surfaces and perform interim reclamation within six months of well drilling and completion.
- Utilize existing vegetation, trees slash or brush piles to cover disturbed areas not used for vehicle traffic.
- Application of fresh water during dry season.
- Applications of approved chemicals may be applied to areas not needed for traffic to form a less erodible soil.
- Operations will be confined to the wellpad working surface.
- Continuous monitoring of disturbed areas to evaluate additional BMPs needed.
- Fresh water application to disturbed areas during construction.
- Fresh water or magnesium chloride application to graveled surfaced of the Location and associated roads.
- Speed limit signs will be posted per surface owner agreement.
- Contractors will be notified of speed limits if no signs are posted.
- Regular road maintenance such as grading and adding additional gravel as needed.

Elbert County, Colorado, Western Part

9—Bresser-Truckton sandy loams, 8 to 25 percent slopes

Map Unit Setting

National map unit symbol: jnl8

Elevation: 5,300 to 6,400 feet

Mean annual precipitation: 14 to 17 inches

Frost-free period: 125 to 180 days

Farmland classification: Not prime farmland

Map Unit Composition

Bresser and similar soils: 45 percent

Truckton and similar soils: 35 percent

Minor components: 20 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Bresser

Setting

Landform: Valley sides, ridges, hills

Landform position (two-dimensional): Backslope, footslope

Landform position (three-dimensional): Side slope, crest

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Alluvium and/or arkosic residuum weathered from sedimentary rock

Typical profile

H1 - 0 to 7 inches: sandy loam

H2 - 7 to 20 inches: sandy clay loam

H3 - 20 to 29 inches: sandy loam

H4 - 29 to 60 inches: very gravelly loamy coarse sand

Properties and qualities

Slope: 8 to 20 percent

Depth to restrictive feature: More than 80 inches

Drainage class: Well drained

Runoff class: Medium

Capacity of the most limiting layer to transmit water

(Ksat): Moderately high to high (0.60 to 2.00 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate, maximum content: 10 percent

Available water supply, 0 to 60 inches: Low (about 5.7 inches)

Interpretive groups

Land capability classification (irrigated): 6e

Land capability classification (nonirrigated): 6e

Hydrologic Soil Group: B

Ecological site: R049XB210CO - Sandy Foothill

Hydric soil rating: No

Description of Truckton

Setting

Landform: Hills, ridges, valley sides

Landform position (two-dimensional): Backslope, footslope

Landform position (three-dimensional): Side slope, crest

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Alluvium and/or arkosic residuum weathered from
sedimentary rock

Typical profile

H1 - 0 to 5 inches: sandy loam

H2 - 5 to 15 inches: sandy loam

H3 - 15 to 60 inches: sandy loam

Properties and qualities

Slope: 8 to 25 percent

Depth to restrictive feature: More than 80 inches

Drainage class: Well drained

Runoff class: Low

Capacity of the most limiting layer to transmit water (Ksat): High
(2.00 to 6.00 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Available water supply, 0 to 60 inches: Low (about 5.8 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 6e

Hydrologic Soil Group: B

Ecological site: R049XB210CO - Sandy Foothill

Hydric soil rating: No

Minor Components

Ascalon

Percent of map unit: 8 percent

Hydric soil rating: No

Cushman

Percent of map unit: 7 percent

Hydric soil rating: No

Kutch

Percent of map unit: 4 percent

Hydric soil rating: No

Aquic haplustoll

Percent of map unit: 1 percent

Landform: Swales

Hydric soil rating: Yes

Data Source Information

Soil Survey Area: Elbert County, Colorado, Western Part

Survey Area Data: Version 17, Aug 31, 2021