
DUST MITIGATION PLAN

GMT EXPLORATION COMPANY LLC

Ragged 6-64 4 Pad

Sec. 4 T6S R64W Lot 1

Elbert County, Colorado

Surface: Fee

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

October 19, 2022

GMT Exploration Company LLC Elbert County, Colorado

Dust Mitigation Plan

Project Summary:

GMT Exploration Company LLC's (GMT's) proposed Ragged 6-64 4 Pad "Location" is located in Township 6 South Range 64 West of Section 4 in Elbert County, Colorado. The proposed location is on fee surface with a total Location disturbance of 15.898 acres which includes the active working pad surface area of 9.055 acres. During interim reclamation and production phase 8.919 acres will be reclaimed leaving a disturbed production area of 6.979 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 Ragged 6-64 4 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:
 - 6 - Bresser sandy loam, cool, 5 to 9 percent slopes
 - 38 - Renohill clay loam, 4 to 8 percent slopes
 - 32 - Nunn clay loam, 0 to 4 percent slopes
2. Proposed vehicle speed limit: 25 MPH or less on roads; 5 MPH or less on the Location.

3. Total disturbed area: 17.034 acres

- Wellpad: 15.898 acres
- Access Road: 1.136 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.
- 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

6—Bresser sandy loam, cool, 5 to 9 percent slopes

Map Unit Setting

National map unit symbol: 2tlpk

Elevation: 5,500 to 6,960 feet

Mean annual precipitation: 15 to 19 inches

Mean annual air temperature: 48 to 52 degrees F

Frost-free period: 100 to 130 days

Farmland classification: Not prime farmland

Map Unit Composition

Bresser, cool, and similar soils: 85 percent

Minor components: 15 percent

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

Description of Bresser, Cool

Setting

Landform: Interfluves

Landform position (two-dimensional): Shoulder, backslope

Landform position (three-dimensional): Interfluve

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Tertiary aged alluvium derived from arkose

Typical profile

Ap - 0 to 5 inches: sandy loam

Bt1 - 5 to 8 inches: sandy loam

Bt2 - 8 to 27 inches: sandy clay loam

Bt3 - 27 to 36 inches: sandy loam

C - 36 to 80 inches: loamy coarse sand

Properties and qualities

Slope: 5 to 9 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 6.00 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate, maximum content: 5 percent

Maximum salinity: Nonsaline to very slightly saline (0.1 to 2.0 mmhos/cm)

Available water supply, 0 to 60 inches: Low (about 5.4 inches)

Interpretive groups

Land capability classification (irrigated): 4e

Land capability classification (nonirrigated): 4e
Hydrologic Soil Group: B
Ecological site: R049XB210CO - Sandy Foothill
Hydric soil rating: No

Minor Components

Ascalon

Percent of map unit: 10 percent
Landform: Interfluves
Landform position (two-dimensional): Shoulder
Landform position (three-dimensional): Interfluve
Down-slope shape: Linear
Across-slope shape: Linear
Ecological site: R049XB210CO - Sandy Foothill
Hydric soil rating: No

Truckton

Percent of map unit: 5 percent
Landform: Interfluves
Landform position (two-dimensional): Backslope
Landform position (three-dimensional): Interfluve
Down-slope shape: Linear
Across-slope shape: Linear
Ecological site: R049XB210CO - Sandy Foothill
Hydric soil rating: No

Data Source Information

Soil Survey Area: Elbert County, Colorado, Western Part
Survey Area Data: Version 17, Aug 31, 2021

Elbert County, Colorado, Western Part

38—Renohill clay loam, 4 to 8 percent slopes

Map Unit Setting

National map unit symbol: jnk_v

Elevation: 5,300 to 6,400 feet

Mean annual precipitation: 14 to 17 inches

Farmland classification: Not prime farmland

Map Unit Composition

Renohill and similar soils: 80 percent

Minor components: 20 percent

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

Description of Renohill

Setting

Landform: Ridges, hills

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

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Residuum weathered from sandstone and shale

Typical profile

H1 - 0 to 2 inches: clay loam

H2 - 2 to 14 inches: clay

H3 - 14 to 24 inches: clay loam

H4 - 24 to 28 inches: unweathered bedrock

Properties and qualities

Slope: 4 to 8 percent

Depth to restrictive feature: 20 to 40 inches to paralithic bedrock

Drainage class: Well drained

Runoff class: High

Capacity of the most limiting layer to transmit water

(Ksat): Moderately low to moderately high (0.06 to 0.20 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate, maximum content: 15 percent

Maximum salinity: Nonsaline to slightly saline (0.0 to 4.0 mmhos/cm)

Available water supply, 0 to 60 inches: Low (about 4.2 inches)

Interpretive groups

Land capability classification (irrigated): 4e

Land capability classification (nonirrigated): 4e

Hydrologic Soil Group: C

Ecological site: R049XB208CO - Clayey Foothill

Hydric soil rating: No

Minor Components

Kutch

Percent of map unit: 6 percent

Hydric soil rating: No

Cushman

Percent of map unit: 6 percent

Hydric soil rating: No

Wiley

Percent of map unit: 5 percent

Hydric soil rating: No

Baca

Percent of map unit: 3 percent

Hydric soil rating: No

Data Source Information

Soil Survey Area: Elbert County, Colorado, Western Part

Survey Area Data: Version 17, Aug 31, 2021

Elbert County, Colorado, Western Part

32—Nunn clay loam, 0 to 4 percent slopes

Map Unit Setting

National map unit symbol: 2tlpq

Elevation: 5,450 to 6,430 feet

Mean annual precipitation: 15 to 19 inches

Mean annual air temperature: 48 to 52 degrees F

Frost-free period: 100 to 130 days

Farmland classification: Prime farmland if irrigated

Map Unit Composition

Nunn and similar soils: 85 percent

Minor components: 15 percent

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

Description of Nunn

Setting

Landform: Terraces, pediments

Landform position (three-dimensional): Tread

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Alluvium

Typical profile

A - 0 to 6 inches: clay loam

Bt - 6 to 18 inches: clay

Btk - 18 to 30 inches: clay

Bk - 30 to 47 inches: clay loam

BCK - 47 to 80 inches: clay loam

Properties and qualities

Slope: 0 to 4 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 low to moderately high (0.06 to 0.20 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate, maximum content: 7 percent

Maximum salinity: Nonsaline to very slightly saline (0.1 to 2.0 mmhos/cm)

Sodium adsorption ratio, maximum: 0.5

Available water supply, 0 to 60 inches: High (about 9.6 inches)

Interpretive groups

Land capability classification (irrigated): 3e

Land capability classification (nonirrigated): 3e
Hydrologic Soil Group: C
Ecological site: R049XB208CO - Clayey Foothill
Hydric soil rating: No

Minor Components

Heldt

Percent of map unit: 10 percent
Landform: Terraces, pediments
Landform position (three-dimensional): Tread
Down-slope shape: Linear
Across-slope shape: Linear
Ecological site: R049XB208CO - Clayey Foothill
Hydric soil rating: No

Englewood

Percent of map unit: 5 percent
Landform: Terraces, pediments
Landform position (three-dimensional): Tread
Down-slope shape: Linear
Across-slope shape: Linear
Ecological site: R049XB208CO - Clayey Foothill
Hydric soil rating: No

Data Source Information

Soil Survey Area: Elbert County, Colorado, Western Part
Survey Area Data: Version 17, Aug 31, 2021