Kerr-McGee Oil & Gas Onshore LP

Dust Mitigation Plan

East Street 14-22HZ – Well Pad and Facility
SW/4 SE/4 & SE/4 SW/4 Section 22, T3N R63W, 6th P.M.

Weld County, Colorado

July 2023

Introduction:

KMOG has developed this Dust Mitigation Plan in compliance with the Colorado Oil and Gas Conservation Commission (COGCC) Rule 427.

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
69	Valent sand, 0 to 3 percent slopes	16.6	100.0%
Totals for Area of Interest		**16.6**	**100.0%**

427.a(2) Proposed Vehicle Speed Limits to Minimize Dust

- 20 mph on lease road from HWY 34 West into location and 5 mph once vehicles reach well pad/ facility

427.a(3) Total Area of Disturbance (In Acres)

- Well pad and Facility – Working Pad Surface (WPS) – 6.66 acres
- Access road – 1.71 acres
    - Soil type – 69 Valent Sand, 71 Valent-Loup Complex
- Improved existing permanent access road (private) from HWY 34 to all locations in the Bronco CAP/CDP totals 31.22 acres
    - Soil type – 49 Osgood Sand, 63 Terry Fine Sandy Loam, 69 Valent Sand, 70 Valent Sand, 71 Valent-Loupe Complex

427.a(4) Whether Access Roads are Paved

- Access roads are not paved, they are constructed with a minimum of four - inches of gravel road base

427.a(5) Number of Anticipated Truck Trips During Each Phase

- Construction Phase (includes pad and production facility construction) – 2,126 truck trips
- Production Drilling Phase – 5,639 truck trips
- Completions Phase – 16,487 truck trips
- Production Phase – 284 average annual truck trips

427.a(6) A plan for Suppressing Fugitive Dust Caused Solely by Wind

- On active locations, in the event dust is caused solely by the wind KMOG will have fresh water deployed to suppress dust for the duration of the wind event
- In addition, disturbed soils will be placed to minimize ability for soil particles to become airborne. Various techniques to be used depending on soil type specific to each location:
    - Track pack/compact topsoil piles, consolidate soil used to construct perimeter ditch/berm and sediment traps
    - Hydro mulch and/or hydroseed topsoil piles and/or other stormwater BMP features
    - Seed/straw crimp disturbed soils where feasible
    - Place and compact gravel layer on working pad surfaces and access roads

427.a(7) Best Management Practices

- KMOG will proactively deploy fresh water to suppress dust along access road to well pad/ facility during all phases of pre-production operations

- Speed limits will be reduced to 20 mph on access road and 5 mph once vehicles reach well pad/ facility
- Access roads and Vehicle Tracking Control will receive maintenance as needed throughout operations
- In the event of high winds that generate dust that cannot be mitigated with an application of water, KMOG will shut down construction operations
- During the Completions phase, KMOG will utilize a fully enclosed sand containerized proppant delivery system that eliminates the use of pneumatic transfer on location. This methodology utilizes a gravity choke feed system that reduces dust significantly. The dust levels from this system are minimal and below Occupational Safety and Health Administration (OSHA) permissible exposure limit which eliminates the need for additional Personal Protective Equipment (PPE)