



DITTMER PAD DUST MITIGATION PLAN

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Article I. Introduction

Location Information

This document provides site-specific information for the Dittmer Pad as 1041WOGLA22-0042 and within the Dittmer Pad OGD. The information in this document relates specifically to the time during the construction, drilling, completion, and production of the sixteen (16) proposed horizontal wells on this location.

The proposed location is dry cropland approximately 1,712’ Southeast of the intersection of WCR 4 and North Main Street (WCR 27). The Pad will be in the NWNW Section 32, Township 1 North, Range 66 West, zoned agricultural within Weld County’s Near-Urban planning area. An OGD is being filed concurrently with the 1041WOGLA22-0042 as COGCC 2A doc #403185947.

The proposed Pad will be 10.1 acres, reduced to 7 acres for interim reclamation. The working pad surface will be 6.2 acres. The Pad is on parcel #147132000026 owned by Dittmer Farm LLC and Blue Pill LLC. The location is currently used for grazing.

The proposed facility equipment for the Dittmer Pad will be located within the working pad surface adjacent to the wells consisting of oil tanks, water tanks, compressors, meters, LACT unit, separators, vapor recovery towers (VRT), vapor recovery units (VRU), emission control devices (ECD), instrument air skid, and proposed electrical and/or solar equipment.

Phase	Duration (Days)	Estimated Start Date
Construction	14	1 st Quarter (February) 2024
Drilling	106	1st Quarter (March) 2024
Completions (Prep and Frac)	115	2nd Quarter (June) 2024
Flowback (Drill Out and flowback)	60	3rd Quarter (September) 2024
Production	25 Years	4th Quarter (November) 2024
Interim Reclamation*	10	4th Quarter (November) 2024

**or the first favorable growing season.*

Article II. Dust Mitigation Plan Specific Data

Soils

Pad Soil type(s): 21 – Dacono clay loam, 0 to 1 percent slopes

Access Road Soil type(s)**: 21 - Kim loam, 1 to 3 percent slopes; 48 – Olney fine sandy loam, 3 to 5 percent slopes; 5 – Ascalon sandy loam, 0 to 3 percent slopes; 1 – Altvan loam, 0 to 1 percent slopes; 41 – Nunn clay loam 0 to 1 percent slopes

****NRCS Web Soil Survey is not accurate at scale to capture access road soil types.**

Total area of soil disturbance including accesses in acres: approximately 12.3 acres. There are no flowline, pipeline, or utility corridors planned as part of the OGD. **(10.1 acres pad disturbance + 2.2 acres access road)**

The Haul Route is directly onto paved WCR 4 as depicted on the Access Road Map.



Truck Traffic

The duration of drilling and completion activity at this site is estimated to be between 8-9 months and will range from passenger cars and pickups to semi-truck/trailers and tandem truck vehicles. All 16 wells will be drilled at one time.

The table below represents the anticipated daily and total trips by operational phase. The duration of each phase was determined by estimated time needed to complete work necessary on the proposed location. Vehicle categories were based FHA GVWR Categories:

Light Duty: < 10,000 lbs.

Medium Duty: 10,000 – 26,000 lbs.

Heavy Duty: > 26,001 lbs.

Operational Phase	Estimated Duration (Days)	Daily Estimated Light Duty Trips	Daily Estimated Medium-Heavy Duty Trips	Total Estimated Light Duty Trips	Total Estimated Medium-Heavy Duty Trips
Construction	14	12	37.1	168	520
Drilling	106	20	19.6	2,120	2,076
Completions & Flowback	175	12	98.7	2,100	17,278
Interim Reclamation	7	12	38.6	84	270
Production Phase - 25 years	9,125	4	0.33	36,500	3,042
Abandonment & Final Reclamation	30	18	9.8	540	294

Note: table assumes one truck travelling to the site = two trips

Note: assumes oil pipeline is in place at start of production phase

Article III. Mitigation Measures and Best Management Practices

Operator shall employ practices for control of fugitive dust caused by their operations. Such practices shall include but are not limited to the use of speed restrictions, automation of wells and production facilities, regular road maintenance, restriction of construction activity during high-wind days, and silica dust controls when handling sand used in hydraulic fracturing operations. Incline additionally has implemented the use of traffic signs when leaving the location to remind drivers of specific routes to utilize.

Operator will stabilize the topsoil stockpiles utilizing vehicle tracking perpendicular to slope angle for short term stabilization and drill seed/crimped straw mulch application for longer term stabilization measures to suppress fugitive dust caused solely by wind.

Operator will minimize the amount of fugitive dust through the use of speed restrictions. All vehicles will be subject to a speed limit of 15 MPH on all lease roads to minimize dust.

Operator will mitigate the creation of fugitive dust through regular access road maintenance. The access road will be covered with a minimum of 6" of road base material for stabilization and to mitigate dust. Per the concurrently submitted 1041WOGLA, water or magnesium chloride will be used to mitigate dust impacts during initial construction of the drill site and will be restricted or limited during high-wind days. Silica dust from



handling sand used in hydraulic fracturing operations will be mitigated by utilization of the enclosed Sand Box type sand delivery method.

Operator will minimize fugitive dust caused by their operations, or dust originating from areas disturbed by their Oil and Gas Operations that becomes windborne.

Operators will not use any of the following fluids for dust suppression:

- Produced water.
- E&P Waste or hazardous waste
- Crude oil or any oil not specifically designed for road maintenance.
- Solvents
- Any process Fluids

Operator will use only fresh water (potable or non-potable) to conduct dust suppression activities within 300 feet of the ordinary high-water mark of any water body.

Silica dust from handling sand used in hydraulic fracturing operations will be mitigated by utilization of the enclosed Sand Box type sand delivery method.

Operator will maintain safety data sheets (“SDS”) for any chemical-based dust suppressant and make the SDS available immediately upon request to the Director and to the Local Government. Operators will maintain SDS for any chemical-based dust suppressant until the site passes final site Reclamation and transfer the records upon transfer of property ownership.

Per conversations with Margolis Land Company (RV storage lot directly west of the Pad), Operator will work to reduce impacts to dust getting on RVs in the adjacent lot by employing the above best management practices. Operator will respond to and work to resolve dust related complaints in a timely manner.

Article IV. Cumulative Dust Impacts

The estimated number of anticipated truck trips for the Oil and Gas Facility seeking Commission approval combined with the number of anticipated truck trips at any other Oil and Gas Locations within a 1-mile radius during the same time period is below, calculated with all locations with anticipated construction, drilling, and completion dates between Q4 2023 and Q2 2024:

There are no pending or unbuilt sites that are anticipated to have construction, drilling, or completion dates within the proposed time frame.

Active Oil & Gas Locations within 1 mile:

Dittmer KE Pad 29-032HN (Loc ID 447013):

21 existing wells (19 PR, 2 WO status), 36 Oil Tanks, 6 Water Tanks, 0 Condensate Tanks, 0 Pits

Phelps 12-32NHZ (Loc ID 433548):

7 existing wells (4 PR, 3 PA status), 12 Oil Tanks, 4 Water Tanks, 20 Condensate Tanks, 0 Pits

Eberle 13-32CHZ (Loc ID 436152)

6 existing wells (PR status), 0 Oil Tanks, 4 Water Tanks, 12 Condensate tanks, 0 Pits

South Weld SWD Facility (Loc ID 456888)

2 existing wells (IJ Status), 0 Oil Tanks, 12 Water Tanks, 3 Condensate Tanks, 0 Pits



There is one active site consisting of 6 PR wells; one active site consisting of 4 PR and 3 PA wells; one active site consisting of 19 PR and 2 WO wells; and one site with 2 IJ status wells that are all anticipated to remain operational during the proposed time frame. No new completion or drilling operations is anticipated between Q4 2023 and Q2 2024.

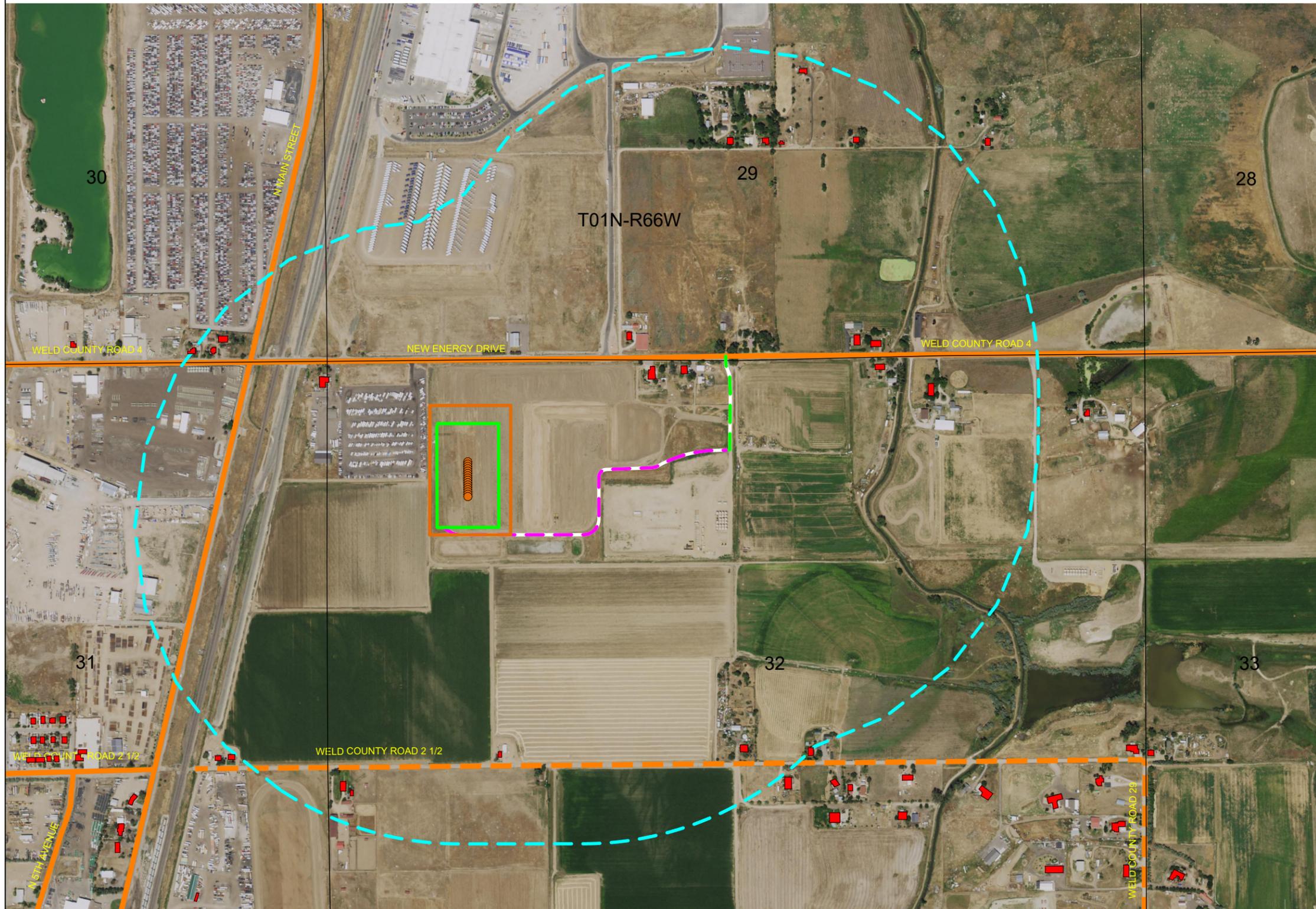
The Dittmer Pad is anticipated to share an access road with the existing Dittmer KE Pad 29-032 HN (Loc ID 447013).

There are no other major sources of dust in the area which will result in the area becoming a cumulative dust risk that could harm public health, safety, welfare, the environment, or wildlife resources, including impacts to plants, such as burial or significant damage to photosynthetic processes.

Article V. Exhibits/References/Appendices

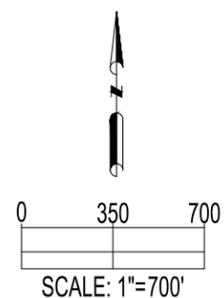
Haul Route Map/Access Road Map

DITTMER PAD ACCESS ROAD MAP



RESIDENTIAL BUILDING UNITS: (WITHIN 2000' ACCESS ROAD BUFFER)	
RESIDENTIAL BUILDING UNITS:	21
HIGH OCCUPANCY BUILDING UNITS:	0
SCHOOLS:	0
CHILD CARE CENTERS:	0

ACCESS ROAD LENGTH:	
PROPOSED ACCESS ROAD LENGTH:	±1,798'
EXISTING ACCESS ROAD LENGTH:	±617'



DISCLAIMER:
THIS PLOT DOES NOT REPRESENT A MONUMENTED LAND SURVEY AND SHOULD NOT BE RELIED UPON TO DETERMINE BOUNDARY LINES.
PROPERTY OWNERSHIP OR OTHER PROPERTY INTERESTS, PARCEL LINES, IF DEPICTED HAVE NOT BEEN FIELD VERIFIED AND MAY BE BASED
UPON PUBLICLY AVAILABLE DATA THAT ALSO HAS NOT BEEN INDEPENDENTLY VERIFIED.



FIELD DATE: 10-13-22
DRAWING DATE: 01-20-23
DRAWN BY: HJL
CHECKED BY: CSG

SITE NAME:
DITTMER PAD
SURFACE LOCATION:
NW 1/4 NW 1/4 SEC. 32, T1N, R66W, 6TH P.M.
WELD COUNTY, COLORADO

DATA SOURCE:
AERIAL IMAGERY: NAIP 2021

PUBLICLY AVAILABLE DATA SOURCES HAVE NOT
BEEN INDEPENDENTLY VERIFIED BY ASCENT.

- LEGEND:**
- = PROPOSED WELL
 - = PROPOSED ACCESS ROAD
 - = EXISTING ACCESS ROAD
 - = 2000' ACCESS ROAD BUFFER
 - = PUBLIC ROAD - GRAVEL
 - = PUBLIC ROAD - PAVED
 - = SECTION LINE
 - = RESIDENTIAL BUILDING UNIT
 - = OIL & GAS LOCATION
 - = WORKING PAD SURFACE

PREPARED FOR:
INCLINE
ENERGY PARTNERS