



## Fawn 2833-2734

### 304.c.(5) Dust Mitigation Plan

In accordance with Rule 427, the Operator provides the following information outlining existing conditions at the proposed Oil and Gas location.

- (1)** Soil Type on Pad and Road
  - A.** NRCS 47 Olney fine sandy loam, 1 to 3 percent Slope (Pad and Road)
  - B.** NRCS 73 Vona loamy sand, 3 to 5 percent Slope (Pad and Road)
  - C.** NRCS 79 Weld Loam, 1 to 3 percent slope (Pad)
  
- (2)** Vehicle speed limit be under 25 mph to minimize dust;
  
- (3)** Total Area of Soil Disturbance
  - A.** NRCS 47 Olney fine sandy loam, 1 to 3 percent Slope (0.27 acres)
  - B.** NRCS 73 Vona loamy sand, 3 to 5 percent Slope (9.0 acres)
  - C.** NRCS 79 Weld Loam, 1 to 3 percent slope (0.92 acres)
  
- (4)** The existing access road is gravel.
  
- (5)** Number of anticipated truck trips for a 10 acre well pad and the drilling, completion and production of 14 horizontal wells.
  - Construction: 520 Trips
  - Drilling: 2980 Trips
  - Completion: 4350 Trips
  - Interim Reclamation: 96 Trips
  - Production: 1578\* (monthly trips- reducing over time as water volumes decrease)
  
- (6)** A plan for suppressing fugitive dust caused solely by wind;

Restriction of construction activity during high-wind days. On windy days or days when dust becomes fugitive (leaves or threatens to leave the site) construction or activities will be halted until either fresh water can suppress dust or dust is no longer visible.

- (7)** A list of Best Management Practices that will be used. Such practices may include, but are not limited to:



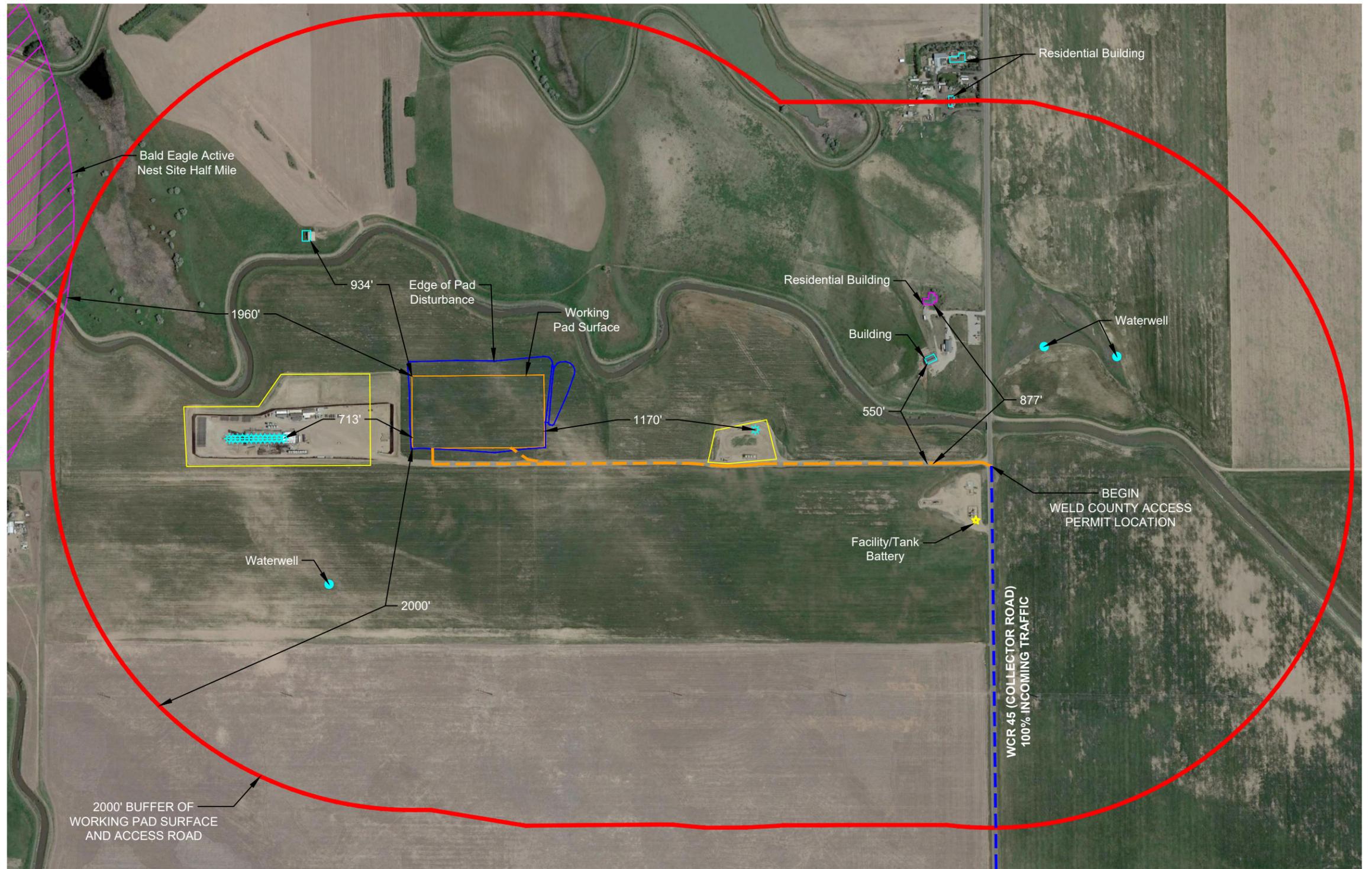
- Operator will reduce traffic and dust associated with transporting completions water and produced liquids through the use of pipelines, large tanks, and other measures.
- Operator will stabilize the topsoil stockpiles utilizing vehicle tracking perpendicular to slope angle for short term stabilization and drill seed/crimped straw mulch application for longer term stabilization measures to suppress fugitive dust caused by wind.
- The access road will be covered with a minimum of 2" of road base material for stabilization and to mitigate dust. Per the approved 1041WOGLA, water or magnesium chloride will be used to mitigate dust impacts during initial construction of the drill site and may be restricted or limited during high-wind days. To control dust, we will reduce speed on unpaved public roads. If there is any additional dust after the above measures have been taken, we will employ water trucks to mitigate dust. Dust control on unpaved county roads will be conducted in coordination with Public Works.
- Restriction of construction activity during high-wind days. On windy days or days when dust becomes fugitive (leaves or threatens to leave the site) construction or activities will be halted until either fresh water can suppress dust or dust is no longer visible.
- Use of a gravity fed box proppant delivery system that meets OSHA standards, rather than the historic pneumatic trailer proppant transfer system that blows sand out of the trailer into frac sand silos on the location; a method that required supplemental dust control to meet OSHA requirements. With a gravity fed proppant delivery system, the delivery container is also a well pad storage container, eliminating the need for frac sand silos on location. Storing frac sand in containers reduces sand dust during fracing operations by dropping sand directly from the container into the blender sand hopper.
- To prevent dust from becoming a nuisance to the public, Mag Chloride will be utilized before construction on access road. To control dust, we will reduce speed on unpaved public roads. If there is any additional dust after the above measures have been taken, we will employ water trucks to mitigate dust. Dust control on unpaved county roads will be conducted in coordination with Public Works
- Verdad will have a gathering line for gas transmission. Verdad is working on an agreement with Taproot and plan to also have a crude gathering line by the time we are on location.
- Verdad will be utilizing centralized storage facilities for fresh water, allowing us to limit the number of truck trips on and off location. During drilling operations all continuous operations personnel live on location. During completions operations a Verdad supervisor lives on location, a majority of the frac crews travel via bus. All of the above will substantially reduce truck traffic. In addition, logistical traffic management will be conducted in a manner that loads will be minimized as the opportunity allows.
- Maximum speed on all roads constructed and maintained by the operator will not exceed 25 mph.



SCALE: 1" = 600'  
0' 300' 600'

**LEGEND**

- WELD COUNTY ACCESS PERMIT LOCATION
- WELD COUNTY COLLECTOR
- 2000' BUFFER OF WORKING PAD SURFACE AND ACCESS ROAD
- RESIDENTIAL HOUSE
- BUILDING / BARN
- WORKING PAD SURFACE
- EDGE OF PAD DISTURBANCE
- EXISTING GAS/OIL FACILITY
- BALD EAGLE ACTIVE NEST SITE HALF MILE
- \* OIL / GAS WELL
- WATER WELL
- \* FACILITY/ TANK BATTERY



**BEGIN WELD COUNTY ACCESS PERMIT LOCATION:**

FROM THE INTERSECTION OF WCR 45 AND EXISTING VERDAD GRAVEL ACCESS ROAD. WEST ON THE EXISTING VERDAD GRAVEL ACCESS ROAD; CONTINUE WEST 0.5 MILE (2435') PASSING THE EASTERLY ENTRANCE TO THE SITE CONTINUING A TOTAL DISTANCE OF 0.6 MILES (3193') TO THE WESTERLY ENTRANCE TO THE SITE.

**NOTES:**

1. THE DEPICTED HAUL ROUTE DOES NOT PASS ANY SCHOOL FACILITY, FUTURE SCHOOL FACILITIES, NOR CHILD CARE CENTERS.
2. WE ARE NOT CROSSING ANY BEST MAINTENANCE PRACTICE FEATURES, RULE 411, OR CULVERTS AT THE TIME OF THIS SURVEY ON THE GROUND.
3. ALL HIGH PRIORITY HABITAT, FLOODPLAIN, WATER WELL, OIL AND GAS WELL INFORMATION SHOWN ON THIS PAGE ARE COGCC DATA ONLY (LAST ACCESSED NOVEMBER 11, 2021)

EXISTING GRAVEL ACCESS ROAD: 3105'±; 2.15 Acres  
 EASTERLY PROPOSED ROAD: 259'±; 0.13 Acres  
 WESTERLY PROPOSED ROAD: 88'±; 0.06 Acres

**TOPOGRAPHIC**  
 LOYALTY INNOVATION LEGACY  
 520 Stacy Court Ste B, Lafayette, CO 80026  
 303.666.0379 www.topographic.com

<b>VERDAD RESOURCES</b>			
FAWN 2734			
FAWN 2833			
FIELD	05/06/2021	DRAFT	SW
REV 7	02/07/2022	CHECK	ZAK
SHEET :	1 OF 1		
	JOB: 141441		

ACCESS ROAD MAP  
 TO A LOCATION IN  
 S/2, SECTION 22 T1N R65W 6TH PM  
 WELD COUNTY, COLORADO

**NCRS MAP UNIT DESCRIPTION**

**FAWN 2833/2734**

**VERDAD**



<b>TOTAL ROAD SOIL DISTURBANCE ACREAGE</b>	
OLNEY FINE SANDY LOAD (1-3% SLOPE) HYDROLOGIC SOIL GROUP B	0.06 ACRES
VONA LOAMY SAND (3-5% SLOPE) HYDROLOGIC SOIL GROUP A	0.13 ACRES
<b>TOTAL OIL AND GAS DISTURBANCE ACREAGE</b>	
OLNEY FINE SANDY LOAD (1-3% SLOPE) HYDROLOGIC SOIL GROUP B	0.21 ACRES
VONA LOAMY SAND (3-5% SLOPE) HYDROLOGIC SOIL GROUP A	8.87 ACRES
WELD LOAM (1-3% SLOPE) HYDROLOGIC SOIL GROUP C	0.92 ACRES

**MAXIMUM DISTURBANCE AREA  
10.00 ACRES**

**OIL & GAS LOCATION  
9.88 ACRES**

**EDGE OF PAD DISTURBANCE**

**TOPSOIL**

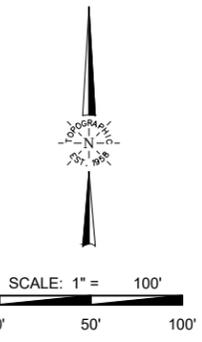
**PROPOSED ROAD**

**WORKING PAD SURFACE**

**PROPOSED ROAD**

**EXISTING ROAD**

- VONA LOAMY SAND (3-5% SLOPE)  
HYDROLOGIC SOIL GROUP A
- OLNEY FINE SANDY LOAD (1-3% SLOPE)  
HYDROLOGIC SOIL GROUP B
- OLNEY LOAMY SAND (3-5% SLOPE)  
HYDROLOGIC SOIL GROUP B
- WELD LOAM (1-3% SLOPE)  
HYDROLOGIC SOIL GROUP C
- AQUOLLS AND AQUEPTS, FLOODED
- x SITE BOUNDARY



DATE:	03/24/22
DRAWN BY:	ARG
REVIEWED BY:	CCC
SCALE:	1" = 100'
SHEET:	1 OF 1
REVISION:	
	XXX XXX XXX
	XXXXXX XXX XXX XXX
	XXXXXX XXX XXX XXX