



RULE 304.E. SUBSTANTIALLY EQUIVALENT INFORMATION COVER SHEET

Dorado 36 Oil and Gas Development Plan

Dorado 36 Pad: SENW Section 36, Township 7 North, Range 63 West

Form 2A Doc # 403716841

Weld County, Colorado

The attached 1041 WOGLA Application is being submitted as a substantially equivalent document to the Transportation Plan required by ECMC Rule 304.c.(6).

This document was developed for the Weld County 1041 WOGLA.

This document does not conform to ECMC rules or guidance in the following ways:

None.

This document should be accepted as substantially equivalent:

The attached Required Information Part E within the 1041 WOGLA Application 1041WOGLA24-0006 and the attached Weld County Access Permit application (contains the substantially equivalent information required as an equivalent traffic planning document pursuant to Rule 304.c.(6).



- E. Please provide a description of the kind of vehicles (type, size, weight) that will access the Oil and Gas Location during drilling and completion operations and define the haul route. This description shall include the following information:**
- 1. The number of round trips/day (Round trip = 1 trip in and 1 trip out) expected for each vehicle (type, size, weight) passenger cars/pickups, tandem trucks, semi-truck/trailer/RV.**

The duration of drilling and completion activity at this site is estimated to be between 2-4 months and will range from passenger cars and pickups (i.e., passenger vehicles), to tandem trucks (i.e., single unit vehicles), and semi-truck/trailers (i.e., multiple unit trucks). All ten (10) wells will be drilled consecutively during one occupation (no demobilization and remobilizations of drill rigs). The anticipated traffic volumes are shown in greater detail in Figure 3, below.



FIGURE 3

Phase of Development	# of Vehicle Roundtrips (per day)	Passenger car equivalent roundtrips (per day)
Construction Phase: earthwork of pad/facility & access road (30 days +/-)		
Passenger Vehicles ⁽¹⁾	9	9
Single Unit Trucks ⁽²⁾	2	4
Multiple Unit Trucks ⁽³⁾	21 – 25	75
TOTAL roundtrips per day =	36	88
Drilling Phase (60 - 100 days +/-, ~6 - 10 days/well)		
Passenger Vehicles ⁽¹⁾	6	6
Single Unit Trucks ⁽²⁾	3	5
Multiple Unit Trucks ⁽³⁾	6	18
TOTAL roundtrips per day =	15	29
Completion Phase (45 days +/-, ~15 days/4-well zipper frac)		
Passenger Vehicles ⁽¹⁾	17	17
Single Unit Trucks ⁽²⁾	2 – 3	5
Multiple Unit Trucks ⁽³⁾	17-125 ⁽⁴⁾	50 – 375
TOTAL roundtrips per day =	36 – 145	72 – 397
Flowback Phase (5 – 10 days +/-)		
Passenger Vehicles ⁽¹⁾	5	5
Single Unit Trucks ⁽²⁾	2	4
Multiple Unit Trucks ⁽³⁾	3	8
TOTAL roundtrips per day =	10	17
Interim Reclamation (30 days +/-)		
Passenger Vehicles ⁽¹⁾	5	5
Single Unit Trucks ⁽²⁾	0	0
Multiple Unit Trucks ⁽³⁾	0	0
TOTAL roundtrips per day =	5	5
Production/Operations Phase (ongoing for life of well, assuming facility is tied-in to distribution/collection system)		
Passenger Vehicles ⁽¹⁾	2	2
Single Unit Trucks ⁽²⁾	0	0
Multiple Unit Trucks ⁽³⁾	0	0
TOTAL roundtrips per day =	2	2

⁽¹⁾ **Passenger Vehicle:** < 20'; gross vehicle weight: 4,500 – 8,500 lbs (Source: CDOT State Highway Access Code [SHAC]), includes standard pickup trucks

⁽²⁾ **Single Unit Truck:** 20' – 40'; gross vehicle weight: 10,000 – 20,000 lbs; = 2 passenger car equivalents (CDOT SHAC)

⁽³⁾ **Multiple Unit Truck:** >40'; gross vehicle weight: 50,000 – 70,000 lbs; = 3 passenger car equivalents (CDOT SHAC)

⁽⁴⁾ Multiple unit truck volume during the completion phase dependent upon water transport options, i.e., temporary layflat line vs. trucking water to location.



2. The routes vehicles will travel from the access of the Oil and Gas Location to the nearest county designated arterial or collector roadway or state highway.

The proposed access point for the Dorado 36 pad is located approximately 0.80 miles east of the intersection at Weld County Road 74 and Weld County Road 74. The proposed haul route for ingress to the well pad is from State Highway 392 to paved Weld County Road 74, which is a designated local County Maintained Road. Weld County Road 74 meets Weld County Road 74 when travelling south from HWY 392. The proposed haul route will continue east on Weld County Road 74 which consists of 2,155 ft of paved road, and then an additional 2,300 ft of local gravel road. The access road begins on the north side of Weld County Road 74 at an existing access point (AP11-00537) and continues northeast approximately 0.7 miles on an existing Oil and Gas lease road, and then Bison in proposing to expand the lease road 0.1 miles feet into the pad.

3. The travel distribution along the identified haul routes (e.g. 50% of traffic will come from the north, 20% from the south, 30% from the east, etc.).

Travel to the site is expected to utilize the proposed haul route from State Highway 392 and Weld County Road 74. Travel distribution is expected to be 50% of traffic coming from the west on State Highway 392 and 50% of traffic coming from the east on State Highway 392. 100% of traffic leaving the location will travel west to HWY 392.

4. The time of day when the highest traffic volumes are expected.

The highest traffic volumes are expected at the beginning and end of daylight hours 6-10 AM and 5-8 PM. During completion operations, sand delivery via the Sand Box system will be continuous throughout the 24-hour day.

5. Describe site-specific traffic reduction measures that will be utilized.

Multiple traffic reduction measures will be implemented during the construction of the pad and subsequent production of the wells. Pipeline takeaway, automation, and an integrated operations plan all contribute to traffic reduction associated with this location.

Utilizing pipelines to transport materials will provide the greatest impact on traffic reduction. Bison has access to an existing freshwater supply nearby that will be piped to the location. This freshwater supply will be utilized in lieu of hauling water which will reduce the amount of vehicle traffic during completions operations. A crude oil pipeline, produced water pipeline, and natural gas gathering line will be used to remove produced hydrocarbons and water from the facility via existing pipelines as opposed to being transported by truck.

Automation is a contributing factor in daily traffic reduction to the site during the production phase. Bison utilizes an automation system that can turn wells and equipment on and off, measure tank levels, and verify pressures and temperatures. The main traffic reduction benefit of this automation system is the ability to monitor the site and complete basic tasks remotely instead of a physical trip to the site.

Bison makes efforts to integrate operations to facilitate a traffic reduction to the location during the production of the site. The goal of integrated operations is to coordinate production, maintenance, and other tasks to be scheduled and accomplished concurrently. Coordination of on-site tasks enables multiple assignments to be done at the same time instead of separate site visits spread over multiple days.



Weld County Dept. of Planning Services
 1402 N. 17th Ave.
 Greeley, CO 80631
 Phone: (970) 400-6100
 Fax: (970) 304-6498

**ACCESS PERMIT
APPLICATION FORM**

Property Owner

Name _____
 Company _____
 Address _____
 City _____ State _____ Zip _____
 Phone _____
 E-mail _____

Information

The access is on CR _____
 Nearest intersection: CR _____ & CR _____
 Distance from intersection: _____ ft.
 Parcel number: _____
 Section/Township/Range: _____
 Total number of existing accesses to parcel: _____
 Total number of proposed accesses: _____
 Latitude _____ Longitude _____
 Planning/building case number _____

Description of Work

Authorized Agent/Applicant (if different from Owner)

Name _____
 Company _____
 Address _____
 City _____ State _____ Zip _____
 Phone _____
 E-mail _____

Proposed Access Information

Culvert size & type (15" CMP/RCP min.) _____
 Materials used to construct access _____
 Access construction schedule _____
 Approx. width of access _____

Proposed Access Count

Existing Access Count

Residential _____	Residential _____
Commercial _____	Commercial _____
Oil and Gas _____	Oil and Gas _____
Agricultural _____	Agricultural _____

Temporary _____

Required Attached Documents

- Property map or sketch (template available on pg. 2) indicating all proposed and existing accesses
- Access Pictures (N, S, E, & W at the location where the access meets a county maintained road)
- Access Authorization Form (Not required if the application is signed by the property owner)
- Additional application materials may be required by the Department of Planning Services.

Fee schedule

\$150 - Temporary & Residential
 \$300 - Industrial & Commercial

Submit application to accesspermits@weldgov.com

By accepting this permit, the undersigned Property Owner/Authorized Agent, under penalty of perjury, verifies they have received all pages of the permit application; they have read and understand all the permit requirements and provisions set forth on all pages. By virtue of their signature the Property Owner/Authorized Agent is bound by and agrees to comply with all said permit requirements and provisions, all Weld County ordinances, and state laws regarding access construction.

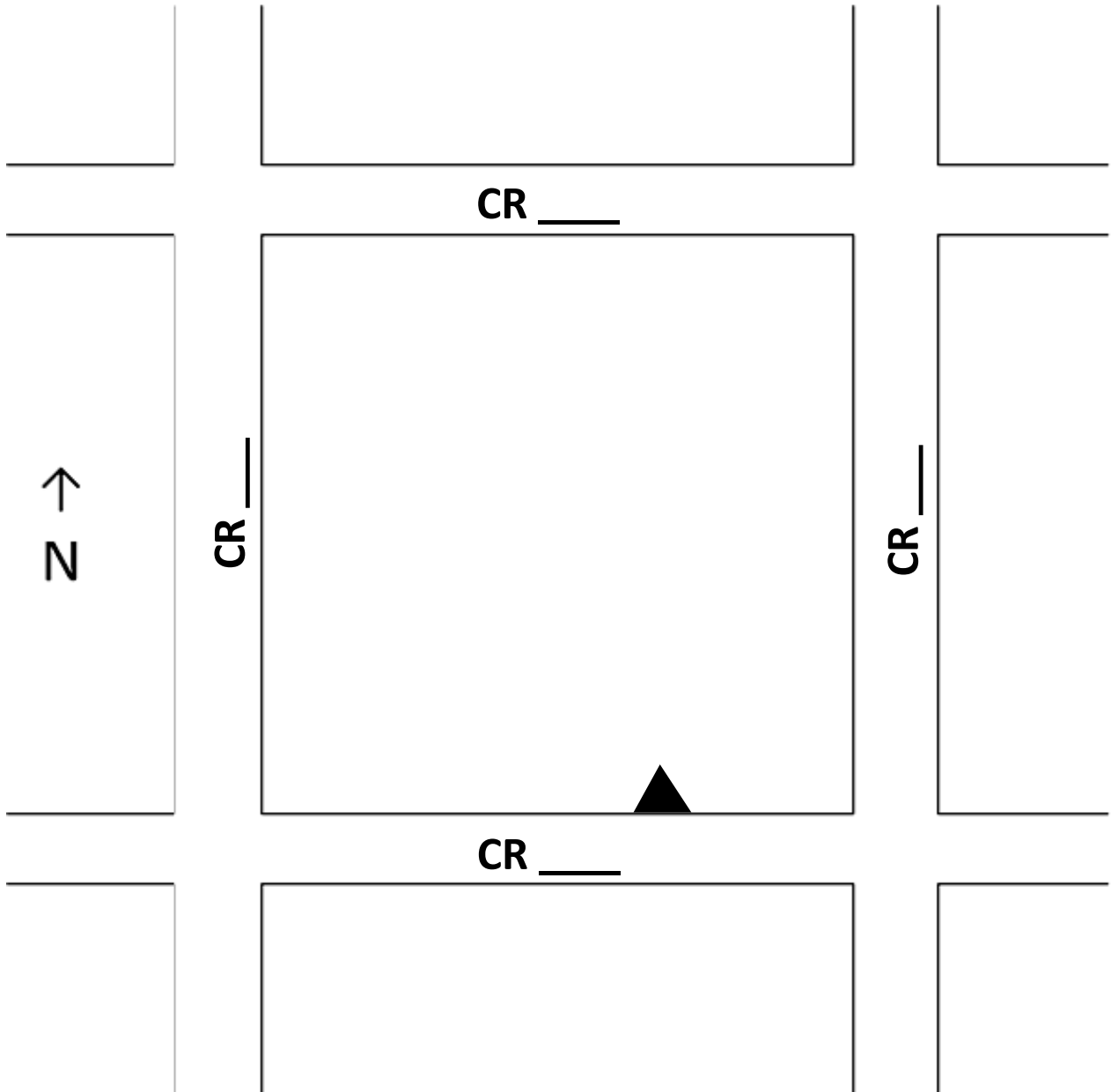
Signature Jennifer Testers Printed Name _____ Date _____
 Signature _____ Printed Name _____ Date _____

(In case of multiple Property Owners/Authorized Agents)

Accesses must be constructed within 1 year of issuance. An extension can be requested from the Weld County Department of Planning Services. Accesses must be in accordance to Chapter 8, Article XIV and Appendix 8-B of County Code

Parcel Sketch

▲ = Existing Access Δ = Proposed Access



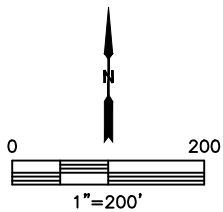
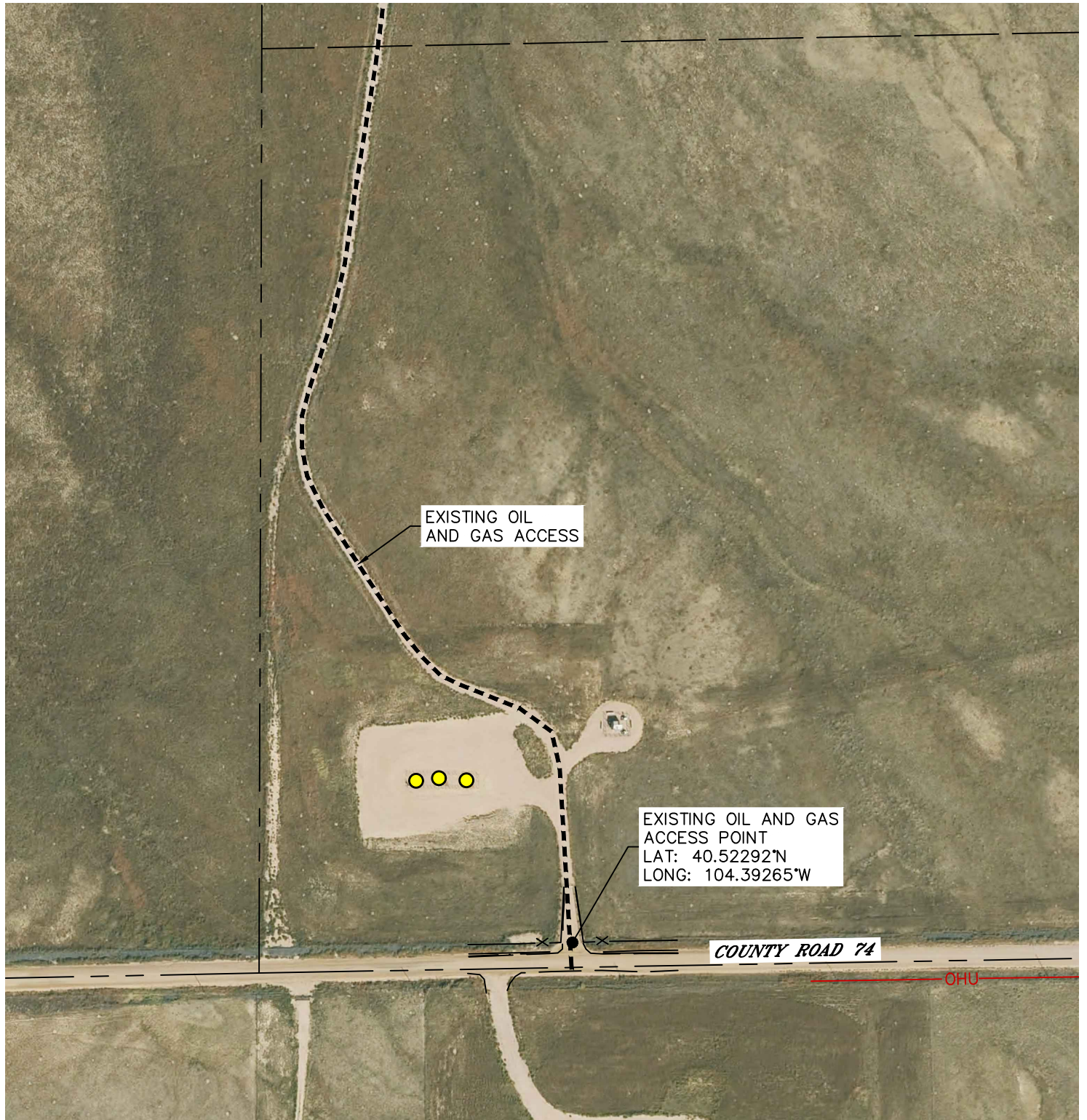


Lat40°, Inc. 6250 W. 10th Street, Unit 2, Greeley, CO 970-515-5294

ACCESS POINT MAP

DORADO 36 PAD
BISON OIL & GAS IV

Q: SENW
SECTION: 36
TOWNSHIP: 7N
RANGE: 63W
6TH. P.M.
WELD COUNTY, CO





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ACCESS POINT PICTURES

DORADO 36 PAD
BISON OIL & GAS IV

Q: SENW
SECTION: 36
TOWNSHIP: 7N
RANGE: 63W
6TH. P.M.
WELD COUNTY, CO
DATE: 4/25/2024



VIEW NORTH



VIEW WEST (CR 74)



VIEW EAST (CR 74)



VIEW SOUTH