

FORM
2A

Rev
04/01

State of Colorado
Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203 Phone: (303) 894-2100 Fax: (303) 894-2109



Document Number:

2288424

Date Received:

04/30/2012

Oil and Gas Location Assessment

☒ New Location ☐ Amend Existing Location Location#: _____

Submit original plus one copy. This form is to be submitted to the COGCC prior to any ground disturbance activity associated with oil and gas development operations. This Assessment may be approved as a standalone application or submitted as an informational report accompanying an Application for Permit-To-Drill, Form 2. Approval of this Assessment will allow for the construction of the below specified location; however, it does not supersede any land use rules applied by the local land use authority. This form may serve as notice to land owners and other interested parties, please see the COGCC web site at <http://colorado.gov/cogcc/> for all accompanying information pertinent to this Oil and Gas Location Assessment.

Location ID:

429667

Expiration Date:

07/25/2015

☒ This location assessment is included as part of a permit application.

1. CONSULTATION

- ☐ This location is included in a Comprehensive Drilling Plan. CDP # _____
- ☐ This location is in a sensitive wildlife habitat area.
- ☐ This location is in a wildlife restricted surface occupancy area.
- ☐ This location includes a Rule 306.d.(1)A.ii. variance request.

2. Operator

Operator Number: 54380

Name: MATRIX ENERGY LLC

Address: 1241 THOROUGHbred ROAD

City: DURANGO State: CO Zip: 81303

3. Contact Information

Name: DAVID M. BLANDFORD

Phone: (970) 247-1959

Fax: (970) 247-2359

email: ANDELEENERGY@GMAIL.COM

4. Location Identification:

Name: HOLTON Number: 24-12

County: WELD

QuarterQuarter: SESW Section: 12 Township: 6N Range: 65W Meridian: 6 Ground Elevation: 4701

Define a single point as a location reference for the facility location. This point should be used as the point of measurement in the drawings to be submitted with this application. When the location is to be used as a well site then the point shall be a well location.

Footage at surface: 180 feet FSL, from North or South section line, and 2537 feet FWL, from East or West section line.

Latitude: 40.493820 Longitude: -104.611790 PDOP Reading: 2.0 Date of Measurement: 12/20/2011

Instrument Operator's Name: C. VANMATRE

5. Facilities (Indicate the number of each type of oil and gas facility planned on location):

Special Purpose Pits: <input type="text"/>	Drilling Pits: <input type="text"/>	Wells: <input type="text" value="1"/>	Production Pits: <input type="text"/>	Dehydrator Units: <input type="text"/>
Condensate Tanks: <input type="text" value="1"/>	Water Tanks: <input type="text" value="1"/>	Separators: <input type="text" value="1"/>	Electric Motors: <input type="text"/>	Multi-Well Pits: <input type="text"/>
Gas or Diesel Motors: <input type="text"/>	Cavity Pumps: <input type="text"/>	LACT Unit: <input type="text"/>	Pump Jacks: <input type="text"/>	Pigging Station: <input type="text"/>
Electric Generators: <input type="text"/>	Gas Pipeline: <input type="text" value="1"/>	Oil Pipeline: <input type="text"/>	Water Pipeline: <input type="text"/>	Flare: <input type="text"/>
Gas Compressors: <input type="text"/>	VOC Combustor: <input type="text" value="1"/>	Oil Tanks: <input type="text"/>	Fuel Tanks: <input type="text"/>	

Other: _____

6. Construction:

Date planned to commence construction: 06/01/2012 Size of disturbed area during construction in acres: 3.00
Estimated date that interim reclamation will begin: 09/01/2012 Size of location after interim reclamation in acres: 1.00
Estimated post-construction ground elevation: 4701 Will a closed loop system be used for drilling fluids: Yes ☒
Will salt sections be encountered during drilling: Yes ☐ No ☒ Is H2S anticipated? Yes ☐ No ☒
Will salt (>15,000 ppm TDS Cl) or oil based muds be used: Yes ☐ No ☒
Mud disposal: Offsite ☒ Onsite ☐ Method: Land Farming ☐ Land Spreading ☒ Disposal Facility ☐
Other: _____

7. Surface Owner:

Name: _____ Phone: _____
Address: _____ Fax: _____
Address: _____ Email: _____
City: _____ State: _____ Zip: _____ Date of Rule 306 surface owner consultation: _____
Surface Owner: ☒ Fee ☐ State ☐ Federal ☐ Indian
Mineral Owner: ☒ Fee ☐ State ☐ Federal ☐ Indian
The surface owner is: ☒ the mineral owner ☒ committed to an oil and gas lease
☐ is the executer of the oil and gas lease ☐ the applicant
The right to construct the location is granted by: ☒ oil and gas lease ☐ Surface Use Agreement ☐ Right of Way
☐ applicant is owner
Surface damage assurance if no agreement is in place: ☐ \$2000 ☐ \$5000 ☐ Blanket Surety ID _____

8. Reclamation Financial Assurance:

☒ Well Surety ID: 19960010 ☐ Gas Facility Surety ID: _____ ☐ Waste Mgnt. Surety ID: _____

9. Cultural:

Is the location in a high density area (Rule 603.b.): Yes ☐ No ☒
Distance, in feet, to nearest building: 642, public road: 180, above ground utilit: 211
, railroad: 4610, property line: 180

10. Current Land Use (Check all that apply):

Crop Land: ☐ Irrigated ☒ Dry land ☐ Improved Pasture ☐ Hay Meadow ☐ CRP
Non-Crop Land: ☐ Rangeland ☐ Timber ☐ Recreational ☐ Other (describe): _____
Subdivided: ☐ Industrial ☐ Commercial ☐ Residential

11. Future Land Use (Check all that apply):

Crop Land: ☐ Irrigated ☒ Dry land ☐ Improved Pasture ☐ Hay Meadow ☐ CRP
Non-Crop Land: ☐ Rangeland ☐ Timber ☐ Recreational ☐ Other (describe): _____
Subdivided: ☐ Industrial ☐ Commercial ☐ Residential

12. Soils:

List all soil map units that occur within the proposed location. Attach the National Resource Conservation Service (NRCS) report showing the "Map Unit Description" report listing the soil typical vertical profile. This data is to be used when segregating topsoil.

The required information can be obtained from the NRCS web site at <http://soildatamart.nrcs.usda.gov/> or from the COGCC web site GIS Online map page found at <http://colorado.gov/cogcc>. Instructions are provided within the COGCC web site help section.

NRCS Map Unit Name: UNIT 51 OTERO SANDY LOAM, 1-3%

NRCS Map Unit Name: _____
NRCS Map Unit Name: _____

13. Plant Community:

Complete this section only if any portion of the disturbed area of the location's current land use is on non-crop land.

Are noxious weeds present: Yes ☐ No ☒
Plant species from: ☐ NRCS or, ☒ field observation Date of observation: 12/20/2011
List individual species: _____

Check all plant communities that exist in the disturbed area.

- ☐ Disturbed Grassland (Cactus, Yucca, Cheatgrass, Rye)
☐ Native Grassland (Bluestem, Grama, Wheatgrass, Buffalograss, Fescue, Oatgrass, Brome)
☐ Shrub Land (Mahogany, Oak, Sage, Serviceberry, Chokecherry)
☐ Plains Riparian (Cottonwood, Willow, Aspen, Maple, Poplar, Russian Olive, Tamarisk)
☐ Mountain Riparian (Cottonwood, Willow, Blue Spruce)
☐ Forest Land (Spruce, Fir, Ponderosa Pine, Lodgepole Pine, Juniper, Pinyon, Aspen)
☐ Wetlands Aquatic (Bullrush, Sedge, Cattail, Arrowhead)
☐ Alpine (above timberline)
☒ Other (describe): DRY LAND WITH MOSTLY WEEDS AND GRASSES

14. Water Resources:

Rule 901.e. may require a sensitive area determination be performed. If this determination is performed the data is to be submitted with the Form 2A.

Is this a sensitive area: ☐ No ☒ Yes Was a Rule 901.e. Sensitive Areas Determination performed: ☒ No ☐ Yes
Distance (in feet) to nearest surface water: 1132, water well: 601, depth to ground water: 35
Is the location in a riparian area: ☒ No ☐ Yes Was an Army Corps of Engineers Section 404 permit filed ☒ No ☐ Yes
Is the location within a Rule 317B Surface Water Supply Area buffer zone:
☒ No ☐ 0-300 ft. zone ☐ 301-500 ft. zone ☐ 501-2640 ft. zone
If the location is within a Rule 317B Surface Water Supply Area buffer have all public water supply systems within 15 miles been notified: ☒ No ☐ Yes

15. Comments:

The 211' to the power line is to the overhead power line on the south side of the county road.

I hereby certify that the statements made in this form are, to the best of my knowledge, true, correct and complete.

Signed: _____ Date: 03/26/2012 Email: ANDELEENERGY@GMAIL.COM
Print Name: DAVID M. BLANDFORD Title: CO-MANAGER

Based on the information provided herein, this Application for Permit-to-Drill complies with COGCC Rules and applicable orders and is hereby approved.

COGCC Approved:  Director of COGCC Date: 7/26/2012

**CONDITIONS OF
APPROVAL, IF ANY:**

All representations, stipulations and conditions of approval stated in this Form 2A for this location shall constitute representations, stipulations and conditions of approval for any and all subsequent operations on the location unless this Form 2A is modified by Sundry Notice, Form 4 or an Amended Form 2A.

The moisture content of any drill cuttings in a cuttings pit, trench, or pile shall be as low as practicable to prevent accumulation of liquids greater than de minimis amounts. At the time of closure, the drill cuttings must also meet the applicable standards of Table 910-1.

If drill cuttings will be land applied, then a Waste Management Plan meeting the general requirements of Rule 907.a. must be submitted for the land application of drill cuttings. Submit the Waste Management Plan on a Form 4 Sundry Notice via email to ogccenvirosundry@state.co.us prior to moving the cuttings from the location.

Attachment Check List

Att Doc Num	Name
2288424	FORM 2A SUBMITTED
2288425	LOCATION PICTURES
2288426	LOCATION DRAWING
2288427	HYDROLOGY MAP
2288428	ACCESS ROAD MAP
2288429	NRCS MAP UNIT DESC
2288430	CONST. LAYOUT DRAWINGS
2288431	OTHER
2288432	OTHER
2613996	CORRESPONDENCE
400282834	WASTE MANAGEMENT PLAN

Total Attach: 11 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Added opr comment: The county road is the nearest mineral lease line, which is 180' to the south. The 211' to the power line is to the overhead power line on the south side of that county road. Final Review Completed. No LGD or public comment received.	7/25/2012 8:03:16 AM
Permit	Attached waiver and SUA to form 2. Ready to pass pending public comment 7/24.12.	7/10/2012 1:45:23 PM
OGLA	Applied Conidition of Approval for cuttings burial. Changed depth to water to 35 feet. However ground water may be present at a shallower depth.	6/11/2012 2:25:08 PM
OGLA	WASTE MANAGEMENT: Operator provided the following comments regarding waste management: "Drilling cuttings will be buried on site, as per COGCC rules. If shallow groundwater is encountered, the cuttings will be hauled to a commercial disposal facility. Drilling mud will be hauled from location by commercial truck and land spread at a site contracted by our water hauling company. Produced water will be stored in a produced water tank and hauled to a commercial disposal facility as needed. Flowback water will be contained in flowback tanks and hauled to a commercial disposal facility as needed."	6/11/2012 1:52:42 PM
OGLA	Waiting on depth to ground water and revisions to Waste Management Plan	5/23/2012 7:53:19 AM
OGLA	Added distance to nearest water well and distance to surface water; changed the Sensitive Area Designation to Yes: the location is in a Sensitive Area because it is within 1/8 mile of a domestic water well and the potential for shallow ground water exists.	5/23/2012 7:51:56 AM
OGLA	Requested water resources information, information on drill cuttings disposal, and revisions to Waste Management Plan	5/18/2012 10:35:33 AM
Permit	Form 2 needs waiver from surface owners to Rule 318A(a). Requested from opr and put form on hold.	5/15/2012 11:54:57 AM
Permit	Per operators email corrected plugging bond, surface and minerals information, and attached WMP. Still missing distance to nearest water. This form has passed completeness.	5/9/2012 9:49:27 AM
Permit	Invalid plugging bond. Invalid surface and minerals information. Missing distances to nearest water. Missing WMP. Emailed operator 5/2/12	5/2/2012 2:07:17 PM
Data Entry	CHECK #14. WATER RESOURCES. OPERATOR OMITTED DISTANCES - MUST BE ENTERED FOR SUBMISSION.	5/1/2012 2:42:40 PM

Total: 11 comment(s)

BMP

<u>Type</u>	<u>Comment</u>

Total: 0 comment(s)