

FORM  
2A

Rev  
04/01

# State of Colorado

## Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80205 Phone: (303) 894-2100 Fax: (303) 894-2109



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Document Number:

400157662

### 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:

Expiration Date:

☒ 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: 53650

Name: MARATHON OIL COMPANY

Address: 5555 SAN FELIPE

City: HOUSTON State: TX Zip: 77056

#### 3. Contact Information

Name: Anna Walls

Phone: (713) 296-3468

Fax: (713) 513-4394

email: avwalls@marathonoil.com

#### 4. Location Identification:

Name: Owl Creek 8-64-30 Number: 1A

County: WELD

QuarterQuarter: LOT 1 Section: 30 Township: 8N Range: 64W Meridian: 6 Ground Elevation: 5004

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: 951 feet FNL, from North or South section line, and 500 feet FWL, from East or West section line.

Latitude: 40.635534 Longitude: -104.599617 PDOP Reading: 2.5 Date of Measurement: 04/04/2011

Instrument Operator's Name: Adam Harmon

#### 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" value="1"/> |
| Condensate Tanks: <input type="text"/>               | Water Tanks: <input type="text" value="2"/>   | Separators: <input type="text" value="2"/> | Electric Motors: <input type="text" value="2"/> | Multi-Well Pits: <input type="text"/>            |
| Gas or Diesel Motors: <input type="text" value="1"/> | Cavity Pumps: <input type="text" value="2"/>  | LACT Unit: <input type="text" value="1"/>  | Pump Jacks: <input type="text" value="1"/>      | Pigging Station: <input type="text"/>            |
| Electric Generators: <input type="text" value="1"/>  | Gas Pipeline: <input type="text"/>            | Oil Pipeline: <input type="text"/>         | Water Pipeline: <input type="text"/>            | Flare: <input type="text" value="1"/>            |
| Gas Compressors: <input type="text" value="1"/>      | VOC Combustor: <input type="text" value="1"/> | Oil Tanks: <input type="text" value="4"/>  | Fuel Tanks: <input type="text"/>                |  |

Other: 1- cuttings pit, 1- radio tower

#### 6. Construction:

Date planned to commence construction: 07/15/2011 Size of disturbed area during construction in acres: 3.93  
Estimated date that interim reclamation will begin: 03/01/2012 Size of location after interim reclamation in acres: 2.00  
Estimated post-construction ground elevation: 5004 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: evaporation/backfill

## 7. Surface Owner:

Name: Judith Ann May Phone: 970-834-2272  
Address: 44033 Weld County Road 49 Fax: \_\_\_\_\_  
Address: \_\_\_\_\_ Email: \_\_\_\_\_  
City: Ault State: CO Zip: 80610 Date of Rule 306 surface owner consultation: 05/23/2011  
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 20070075

## 8. Reclamation Financial Assurance:

☒ Well Surety ID: 19880020 ☐ 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: 923, public road: 501, above ground utilit: 951  
railroad: 40656, property line: 500

## 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: 42: Olney Loamy Sand, 0 to 3% slopes

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: 04/04/2011  
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): \_\_\_\_\_

### 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: 672, water well: 1486, depth to ground water: 180  
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:

Distance to nearest water well: 1486', Receipt: 3603163, Permit #268886--, SWSW Sec. 19, T8N, R64W, 6th P.M., Depth: 375', Static Water Level: 180'

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

Signed: \_\_\_\_\_ Date: \_\_\_\_\_ Email: avwalls@marathonoil.com  
Print Name: Anna Walls Title: Regulatory Compliance Rep

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: \_\_\_\_\_

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.**

### **Attachment Check List**

| Att Doc Num | Name                   |
|-------------|------------------------|
| 400157820   | NRCS MAP UNIT DESC     |
| 400157857   | CONST. LAYOUT DRAWINGS |
| 400157866   | LOCATION PICTURES      |
| 400169807   | ACCESS ROAD MAP        |
| 400169808   | HYDROLOGY MAP          |
| 400169809   | LOCATION DRAWING       |
| 400169810   | REFERENCE AREA MAP     |

Total Attach: 7 Files

### **General Comments**

| <u><b>User Group</b></u> | <u><b>Comment</b></u> | <u><b>Comment Date</b></u> |
|--------------------------|-----------------------|----------------------------|
|                          |                       |                            |

Total: 0 comment(s)

### **BMP**

| <u><b>Type</b></u>                     | <u><b>Comment</b></u>   |
|--|---|
| Storm Water/Erosion Control            | Stormwater Management Plans (SWMP) will be in place to address construction, drilling and operations associated with Oil and Gas development throughout the state of Colorado in accordance with Colorado Department of Public Health (CDPHE). BMPS will be constructed around the perimeter of the site prior to or at the beginning of construction. BMP's used will vary according to the location and will remain in place until the pad reaches final reclamation.   |
| Material Handling and Spill Prevention | Spill prevention control and counter measures (SPCC) plans will be in place to address any possible spills associated with Oil and Gas operations throughout the State of Colorado in accordance with 40 CFR 112.   |
| General Housekeeping                   | Cleanup will consist of patrolling the roadways, access areas, and other work areas to pick up trash, scrap debris, other discarded materials, and any contaminated soil. These materials will be disposed of properly.   |
| General Housekeeping                   | Housekeeping will consist of neat and orderly storage of materials and fluids. Wastes will be temporarily stored in sealed containers and regularly collected and disposed of at offsite, suitable facilities. If spills occur prompt cleanup is required to minimize any commingling of waste materials with stormwater runoff. Routine maintenance will be limited to fueling and maintenance to contain spills or leaks. Any waste product from maintenance will be containerized and transported offsite for disposal or recycling. There will be no major equipment overhauls conducted onsite. Equipment will be transported offsite for major overhauls. |

Total: 4 comment(s)