

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:

400002950

**Oil and Gas Location Assessment**

☐ New Location ☒ Amend Existing Location Location#: 335880

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 stand alone 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:

**335880**

Expiration Date:

**03/18/2013**

☒ 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) 513-4393

email: avwalls@marathonoil.com

**4. Location Identification:**

Name: 596-33C Number: \_\_\_\_\_

County: GARFIELD

QuarterQuarter: SWSW Section: 33 Township: 5S Range: 96W Meridian: 6 Ground Elevation: 8238

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: 187 feet, from North or South section line: FSL and 1308 feet, from East or West section line: FWL

Latitude: 39.564940 Longitude: -108.178840 PDOP Reading: 2.9 Date of Measurement: 03/10/2007

**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" value="2"/> | Wells: <input type="text" value="11"/>      | Production Pits: <input type="text"/>          | Dehydrator Units: <input type="text"/> |
| Condensate Tanks: <input type="text" value="1"/> | Water Tanks: <input type="text" value="2"/>   | Separators: <input type="text" value="11"/> | 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" value="11"/>  | 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" value="1"/> | Flare: <input type="text"/>            |
| Gas Compressors: <input type="text"/>            | VOC Combustor: <input type="text"/>           | Oil Tanks: <input type="text" value="1"/>   | Fuel Tanks: <input type="text"/>               |  |

Other: 1 RTU Building - scada controls, communication equip, solar power, battery back up

## 6. Construction:

Date planned to commence construction: 04/01/2008 Size of disturbed area during construction in acres: 3.64  
Estimated date that interim reclamation will begin: 10/15/2011 Size of location after interim reclamation in acres: 1.86  
Estimated post-construction ground elevation: 8110 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: Berry Petroleum Co. Phone: 303-825-3344  
Address: 1999 Broadway, Suite 3700 Fax: \_\_\_\_\_  
Address: \_\_\_\_\_ Email: \_\_\_\_\_  
City: Denver State: CO Zip: 80202 Date of Rule 306 surface owner consultation: 11/02/2009  
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: 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: 5100, public road: 19008, above ground utilit: 2780  
, railroad: 53856, property line: 186

## 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 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: 57 - Parachute-Rhone Loam, 5-30% 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: \_\_\_\_\_

List individual species: sage, oak

Check all plant communities that exist in the disturbed area.

- ☐ Disturbed Grassland (Cactus, Yucca, Cheatgrass, Rye)  
☐ Native Grassland (Bluestern, 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: 1510, water well: 19589, depth to ground water: 45

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:

This location assessment is included as part of permit application for pad 596-33A-18. This is an existing pad with 9 wells already drilled. There are no visible improvements within 400' of well location.

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

Signed: \_\_\_\_\_ Date: 01/06/2010 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.

*David S. Nashin*

COGCC Approved: \_\_\_\_\_

Director of COGCC

Date: 3/19/2010

**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.**

Reserve pit must be lined.

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.

Operator must ensure 110 percent secondary containment for any volume of fluids contained at well site during drilling and completion operations. If fluids are conveyed via pipeline, operator must implement best management practices to contain any unintentional release of fluids.

No portion of any pit that will be used to hold liquids shall be constructed on fill material, unless the pit and fill slope are designed and certified by a professional engineer, subject to review and approval by the director prior to construction of the pit. The construction and lining of the pit shall be supervised by a professional engineer or their agent. The entire base of the pit must be in cut.

Use certified, weed free grass hay, straw, hay or other mulch material used for the reseeding and reclamation of disturbed areas.

Conduct well site visitations to portions of the day between 9:00 a.m. and 4:00 p.m. during lekking season (March 1 to May 15).

Conduct post-development well site visitations between the hours of 10:00 a.m. and 3:00 p.m. and reduce well site visitations between December 1 and April 15 in elk production areas.

Reclaim/restore greater sage-grouse habitat and other wildlife appropriate to the ecological site. Since this pad is on Private Surface, Marathon will reclaim/restore vegetation as requested by the surface owners.

**Attachment Check List**

| Att Doc Num | Name                    | Doc Description      |
|-------------|-------------------------|----------------------|
| 1791460     | DEVIATED DRILLING PLAN  | LF@2420396 1791460   |
| 2032766     | CORRESPONDENCE          | LF@2217424 2032766   |
| 2032767     | PROPOSED BMPs           | LF@2217425 2032767   |
| 2032821     | CORRESPONDENCE          | LF@2346225 2032821   |
| 2032865     | CORRESPONDENCE          | LF@2420389 2032865   |
| 2032866     | PROPOSED BMPs           | LF@2420390 2032866   |
| 2032944     | CORRESPONDENCE          | LF@2434432 2032944   |
| 2032945     | CORRESPONDENCE          | LF@2434430 2032945   |
| 400026571   | NRCS MAP UNIT DESC      | LF@2208779 400026571 |
| 400026755   | HYDROLOGY MAP           | LF@2208780 400026755 |
| 400026757   | CONST. LAYOUT DRAWINGS  | LF@2208781 400026757 |
| 400026758   | LOCATION DRAWING        | LF@2208782 400026758 |
| 400026759   | LOCATION PICTURES       | LF@2208783 400026759 |
| 400026760   | REFERENCE AREA PICTURES | LF@2208784 400026760 |
| 400026764   | REFERENCE AREA MAP      | LF@2208785 400026764 |
| 400026765   | ACCESS ROAD MAP         | LF@2208786 400026765 |
| 400026766   | FORM 2A SUBMITTED       | LF@2208787 400026766 |

Total Attach: 17 Files