

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



Table with 4 columns: DE, ET, OE, ES

Document Number: 400153970

Oil and Gas Location Assessment

[X] 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.

Location ID: 423916 Expiration Date: 06/28/2014

[X] 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 8-64-6 Number: 1A County: WELD Quarter: LOT 4 Section: 6 Township: 8N Range: 64W Meridian: 6 Ground Elevation: 5176
Footage at surface: 600 feet FNL, from North or South section line, and 605 feet FWL, from East or West section line.
Latitude: 40.694336 Longitude: -104.598600 PDOP Reading: 1.9 Date of Measurement: 03/23/2011
Instrument Operator's Name: Allen Blattel

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

Special Purpose Pits: [] Drilling Pits: [] Wells: [1] Production Pits: [] Dehydrator Units: []
Condensate Tanks: [] Water Tanks: [2] Separators: [2] Electric Motors: [1] Multi-Well Pits: []
Gas or Diesel Motors: [1] Cavity Pumps: [2] LACT Unit: [1] Pump Jacks: [1] Pigging Station: []
Electric Generators: [1] Gas Pipeline: [] Oil Pipeline: [] Water Pipeline: [] Flare: [1]
Gas Compressors: [1] VOC Combustor: [1] Oil Tanks: [4] Fuel Tanks: []
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: 3.82
Estimated date that interim reclamation will begin: 02/01/2012 Size of location after interim reclamation in acres: 2.00
Estimated post-construction ground elevation: 5175 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: _____ Phone: _____
Address: _____ Fax: _____
Address: _____ Email: _____
City: _____ State: _____ Zip: _____ Date of Rule 306 surface owner consultation: 04/15/2011
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: 6319, public road: 606, above ground utilit: 1000
, railroad: 30000, property line: 600

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.

IMPORTANT: SOME DATA FIELDS HAVE BEEN MODIFIED.

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: 56: Renohill Fine Sandy Loam, 6 to 9% slopes

NRCS Map Unit Name: 45: Olney Fine Sandy Loam, 6 to 9% slopes

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: 03/23/2011

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: 1885, water well: 1292, 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 Suppl 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: 1292', Receipt: 9064000, Permit #37179--, NENE Sec 1, T8N, R65W, Depth: 265', 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: 04/20/2011 Email: avwalls@marathonoil.com

Print Name: Anna Walls Title: Regulatory Compliance Rep

IMPORTANT: SOME DATA FIELDS HAVE BEEN MODIFIED.

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: David S. Neslin Director of COGCC Date: 6/29/2011

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
400153970	FORM 2A SUBMITTED
400156457	ACCESS ROAD MAP
400156458	CONST. LAYOUT DRAWINGS
400156464	LOCATION DRAWING
400156465	LOCATION PICTURES
400156466	REFERENCE AREA MAP
400156469	PROPOSED BMPs
400156847	HYDROLOGY MAP
400156856	NRCS MAP UNIT DESC
400156857	NRCS MAP UNIT DESC

Total Attach: 10 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
OGLA	Ready to Pass 5/12/2011.	4/22/2011 11:56:13 AM
Permit	changed surface bond to correct #20070075. pushed back to draft. unable to open Hydrology map. plg.	4/21/2011 10:01:38 AM

Total: 2 comment(s)

BMP

<u>Type</u>	<u>Comment</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 permitter 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)