


<b>FORM</b> <b>2A</b> Rev 04/01	<b>State of Colorado</b> <b>Oil and Gas Conservation Commission</b> 1120 Lincoln Street, Suite 801, Denver, Colorado 80205 Phone: (303) 894-2100 Fax: (303) 894-2109		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">DE</td> <td style="width: 25%;">ET</td> <td style="width: 25%;">OE</td> <td style="width: 25%;">ES</td> </tr> </table> <p>Document Number:  400039734</p>	DE	ET	OE	ES																					
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<b>Oil and Gas Location Assessment</b>			<p>Location ID: <b>336010</b></p> <p>Expiration Date: <b>07/13/2014</b></p>																									
<p> <input type="checkbox"/> New Location         <input checked="" type="checkbox"/> Amend Existing Location         Location#: <u>336010</u> </p>																												
<p>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 <a href="http://colorado.gov/cogcc/">http://colorado.gov/cogcc/</a> for all accompanying information pertinent to this Oil and Gas Location Assessment.</p>																												
<p><input checked="" type="checkbox"/> This location assessment is included as part of a permit application.</p>																												
<b>1. CONSULTATION</b>																												
<p> <input type="checkbox"/> This location is included in a Comprehensive Drilling Plan. CDP # _____  <input checked="" type="checkbox"/> This location is in a sensitive wildlife habitat area.  <input type="checkbox"/> This location is in a wildlife restricted surface occupancy area.  <input type="checkbox"/> This location includes a Rule 306.d.(1)A.ii. variance request.       </p>																												
<b>2. Operator</b>		<b>3. Contact Information</b>																										
Operator Number: <u>53650</u> Name: <u>MARATHON OIL COMPANY</u> Address: <u>5555 SAN FELIPE</u> City: <u>HOUSTON</u> State: <u>TX</u> Zip: <u>77056</u>		Name: <u>Anna Walls</u> Phone: <u>(713) 296-3468</u> Fax: <u>(713) 513-4394</u> email: <u>avwalls@marathonoil.com</u>																										
<b>4. Location Identification:</b>																												
Name: <u>596-30C</u> Number: _____ County: <u>GARFIELD</u> QuarterQuarter: <u>LOT 3</u> Section: <u>30</u> Township: <u>5S</u> Range: <u>96W</u> Meridian: <u>6</u> Ground Elevation: <u>8195</u> 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: <u>2387</u> feet <u>FSL</u> , from North or South section line, and <u>1151</u> feet <u>FWL</u> , from East or West section line. Latitude: <u>39.585430</u> Longitude: <u>-108.213330</u> PDOP Reading: <u>2.2</u> Date of Measurement: <u>07/22/2008</u> Instrument Operator's Name: <u>William H Dolinar</u>																												
<b>5. Facilities (Indicate the number of each type of oil and gas facility planned on location):</b>																												
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Other: _____																												

6. Construction:

Date planned to commence construction: 01/01/2012 Size of disturbed area during construction in acres: 3.77  
Estimated date that interim reclamation will begin: 01/01/2013 Size of location after interim reclamation in acres: 2.61  
Estimated post-construction ground elevation: 8190 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: 10/09/2008  
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: 10513, public road: 24129, above ground utilit: 10513  
, railroad: 66528, property line: 1133

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: 55: Parachute-Irigul Complex, 5 to 30% slopes

NRCS Map Unit Name: 56: Parachute-Irigul-Rhone Assoc. 25-50% 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: 06/03/2009

List individual species: Sage, Serviceberry

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: 758, water well: 30624, depth to ground water: 29

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 on a pad to be built with 8 wells. There are no visible improvements w/in 400' of well location. This location is in a SWH for Sage Grouse and Elk Production area. Depth to groundwater determined by DWR online: Receipt 9502851, Permit 275085

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

Signed: \_\_\_\_\_ Date: 06/16/2011 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. Nesline*

Director of COGCC

Date: 7/14/2011

**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.**

**GENERAL SITE COAs:**

Reserve pit (or any other pit used to contain/hold fluids) must be lined or a closed loop system must be implemented during drilling.

The nearby hillside must be monitored for any day-lighting of drilling fluids throughout the drilling of the surface casing interval.

Operator must ensure 110 percent secondary containment for any volume of fluids contained at well site during drilling and completion operations; including, but not limited to, construction of a berm or diversion dike, diversion/collection trenches within and/or outside of berms/dikes, site grading, or other comparable measures (i.e., best management practices (BMPs) associated with stormwater management) sufficiently protective of nearby surface water. Any berm constructed at the well pad location will be stabilized, inspected at regular intervals (at least every 14 days), and maintained in good condition.

Operator must implement best management practices to contain any unintentional release of fluids, including any fluids conveyed via temporary surface pipelines.

Flowback and stimulation fluids must be sent to tanks, separators, or other containment/filtering equipment before the fluids can be placed into any pipeline or pit located on the well pad. The flowback and stimulation fluid tanks must be placed on the well pad in an area with additional downgradient perimeter berming. The area where flowback fluids will be stored/reused must be constructed to be sufficiently impervious to contain any spilled or released material.

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.

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.

Operator must comply with all provisions of the June 12, 2008 Notice to Operators (NTO) (which Oxy has indicated on the Form 2A) Drilling Wells Within  $\frac{3}{4}$  Mile of the Rim of the Roan Plateau in Garfield County – Pit Design, Construction, and Monitoring Requirements.

### Attachment Check List

Att Doc Num	Name
2033907	LOCATION PICTURES
2033923	CORRESPONDENCE
400039734	FORM 2A SUBMITTED
400039766	ACCESS ROAD MAP
400039768	HYDROLOGY MAP
400039769	LOCATION DRAWING
400039770	LOCATION PICTURES
400039771	MULTI-WELL PLAN
400039772	NRCS MAP UNIT DESC
400039773	NRCS MAP UNIT DESC
400039774	REFERENCE AREA MAP
400039775	REFERENCE AREA PICTURES
400044930	CONST. LAYOUT DRAWINGS

Total Attach: 13 Files

### General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
	<p>This amended well pad is located within the boundary of the Marathon-CDOW Wildlife Mitigation Plan. The BMPs were developed and agreed to in consultation of the Wildlife Mitigation Plan. The BMPs and COAs as specified in the WMP agreement are appropriate for the site and species effected.</p> <p>Michael Warren on Thursday, July 11, 2011 at 1:07P.M.</p>	7/11/2011 1:05:46 PM
OGLA	Initiated/Completed OGLA Form 2A review on 07-05-11 by Dave Kubeczko; requested acknowledgement of fluid containment, spill/release BMPs, lined pits/closed loop, monitoring hillside, flowback to tanks, no pit in fill, and cuttings low moisture content COAs; received acknowledgement of COAs from operator on 07-06-11; passed by CDOW on (TBD: 07-26-11) with operator/CDOW WMP and submitted BMPs (with permit application) acceptable; passed OGLA Form 2A review on (TBD: 07-26-11) by Dave Kubeczko; fluid containment, spill/release BMPs, lined pits/closed loop, monitoring hillside, flowback to tanks, no pit in fill, and cuttings low moisture content COAs.	7/11/2011 10:02:03 AM
Permit	<p>Changed surface location to lot 3, added surface owner is committed to an oil and gas lease</p> <p>Corrected surface bond number</p>	6/22/2011 10:42:39 AM

Total: 3 comment(s)

### BMP

<u>Type</u>	<u>Comment</u>
Wildlife	see approved Wildlife Mitigation Plan

Total: 1 comment(s)