

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:

2094222

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 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:

416174

Expiration Date:

03/14/2013
☒ 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: 28600

Name: EXXON MOBIL CORPORATION

Address: P O BOX 4358

City: HOUSTON State: TX Zip: 77210-4358

3. Contact Information

Name: MARK DEL PICO

Phone: (281) 654-1926

Fax: (281) 654-1940

email: MARK.DELPICO@EXXONMOBIL.COM

4. Location Identification:

Name: FREEDOM UNIT Number: 197-21A PAD

County: RIO BLANCO

QuarterQuarter: NWNE Section: 21 Township: 1S Range: 97W Meridian: 6 Ground Elevation: 6064

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: 889 feet, from North or South section line: FNL and 1518 feet, from East or West section line: FEL

Latitude: 39.954827 Longitude: -108.283336 PDOP Reading: 2.6 Date of Measurement: 11/22/2006

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

Special Purpose Pits: <input type="text" value="1"/>	Drilling Pits: <input type="text" value="5"/>	Wells: <input type="text" value="10"/>	Production Pits: <input type="text"/>	Dehydrator Units: <input type="text"/>
Condensate Tanks: <input type="text"/>	Water Tanks: <input type="text" value="11"/>	Separators: <input type="text" value="2"/>	Electric Motors: <input type="text" value="108"/>	Multi-Well Pits: <input type="text" value="4"/>
Gas or Diesel Motors: <input type="text" value="8"/>	Cavity Pumps: <input type="text" value="62"/>	LACT Unit: <input type="text"/>	Pump Jacks: <input type="text"/>	Pigging Station: <input type="text"/>
Electric Generators: <input type="text" value="3"/>	Gas Pipeline: <input type="text" value="11"/>	Oil Pipeline: <input type="text"/>	Water Pipeline: <input type="text" value="2"/>	Flare: <input type="text" value="1"/>
Gas Compressors: <input type="text"/>	VOC Combustor: <input type="text"/>	Oil Tanks: <input type="text"/>	Fuel Tanks: <input type="text" value="3"/>	

Other: _____

6. Construction:

Date planned to commence construction: 08/01/2010 Size of disturbed area during construction in acres: 10.20
Estimated date that interim reclamation will begin: 06/01/2012 Size of location after interim reclamation in acres: 3.20
Estimated post-construction ground elevation: 6064 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: BURIAL

7. Surface Owner:

Name: BUREAU OF LAND MANAGEMENT Phone: 970/878-3800
Address: 220 EAST MARKET STREET Fax: 970/878-3805
Address: _____ Email: BRIANA_POTTS@BLM.GOV
City: MEEKER State: CO Zip: 81641 Date of Rule 306 surface owner consultation: 10/01/2006
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: 20060153 ☐ 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: 5256, public road: 1123, above ground utilit: 1150
, railroad: 191664, property line: 190

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: BARENS CHANNERY LOAMY SAND MAP UNIT 6

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: PRIMARY VEGETATION IS SAGE BRUSH, GRASS & PINION, AND JUNIPER TREES.

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: 300, water well: 1100, depth to ground water: 22

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:

COGCC FORM 2 APD's FOR WELLS 197-21A1 THROUGH 197-21A10 WERE SUBMITTED ALONG WITH THIS FORM 2A. BLM APD's WERE SUBMITTED ON 11/20/2009. NOTE: 197-21A1, A6, A7, A9, & A10 ARE FEDERAL SURFACE AND FEE MINERALS. 197-21A2, A3, A4, A5 & A8 ARE FEDERAL SURFACE AND FEDERAL MINERALS. SEE ATTACHED SUP FOR ADDITIONAL INFORMATION & ATTACHED HYDROLOGY EVALUATION & CONCEPTUAL DRAINAGE DESIGN PREPARED BY WWE ON 11/06/2009. SECTION IV, 1. CULTURAL: NEAREST RAILROAD IS MORE THAN 1 MILE AWAY. SECTION VIII, FEET TO WATER WELL: 1100' TO PERMIT # 36515-MH WATER WELL (THIS IS PICTURED ON THE HYDROLOGY MAP AS THE BLUE DOT SW OF THE PAD). PER M.D.P. VIA E-MAIL 5 FEB '10. BMPs WITH FORM 2s.

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

Signed: _____ Date: 01/07/2010 Email: MARK.DELPICO@EXXONMOBIL.COM

Print Name: MARK DEL PICO Title: STAFF REG. SPECIALIST

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: 3/15/2010

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.

Location is in a sensitive area because of close surface water; therefore, operator must ensure 110 percent secondary containment for any volume of fluids contained at well site during drilling and completion operations.

Location may be in a sensitive area due to shallow groundwater; therefore the drilling pit must be lined or a closed loop system must be used.

Operator must implement best management practices to contain any unintentional release of fluids.

Attachment Check List

Att Doc Num	Name	Doc Description
2032845	CORRESPONDENCE	LF@2408305 2032845
2094157	REFERENCE AREA PICTURES	LF@2217668 2094157
2094222	FORM 2A	LF@2212307 2094222
2094223	LOCATION PICTURES	LF@2217673 2094223
2094224	LOCATION PICTURES	LF@2217674 2094224
2094225	LOCATION PICTURES	LF@2217675 2094225
2094226	LOCATION DRAWING	LF@2212308 2094226
2094227	HYDROLOGY MAP	LF@2217672 2094227
2094228	ACCESS ROAD MAP	LF@2212309 2094228
2094229	REFERENCE AREA MAP	LF@2217669 2094229
2094231	NRCS MAP UNIT DESC	LF@2212310 2094231
2094232	CONST. LAYOUT DRAWINGS	LF@2212311 2094232
2094233	MULTI-WELL PLAN	LF@2212312 2094233
2094234	PROPOSED BMPs	LF@2217741 2094234
2094235	SURFACE PLAN	LF@2212313 2094235
2094236	TOPO MAP	LF@2217666 2094236
2094237	TOPO MAP	LF@2217667 2094237
2098826	ACCESS ROAD MAP	LF@2217670 2098826
2098827	ACCESS ROAD MAP	LF@2217671 2098827
400031941	FORM 2A SUBMITTED	LF@2284839 400031941

Total Attach: 20 Files