

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:

1774531

**Oil and Gas Location Assessment**

☐ New Location ☒ Amend Existing Location Location#: 311234

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:

**311234**

Expiration Date:

**01/06/2013**

☒ 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: 10159

Name: ROSETTA RESOURCES OPERATING LP

Address: 717 TEXAS STE 2800

City: HOUSTON State: TX Zip: 77002

**3. Contact Information**

Name: SHAWN HILDRETH

Phone: (713) 335-4104

Fax: (281) 763-2320

email: SHAWN.HILDRETH@ROSETTA  
RESOURCES.COM

**4. Location Identification:**

Name: BOWMAN Number: 13-2

County: YUMA

QuarterQuarter: NWNE Section: 13 Township: 2S Range: 45W Meridian: 6 Ground Elevation: 3893

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: 529 feet, from North or South section line: FNL and 2390 feet, from East or West section line: FEL

Latitude: 39.888620 Longitude: -102.362820 PDOP Reading: 1.7 Date of Measurement: 09/21/2008

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

Special Purpose Pits: <input type="checkbox"/>	Drilling Pits: <input type="checkbox"/>	Wells: <input type="checkbox"/>	Production Pits: <input type="checkbox"/>	Dehydrator Units: <input type="checkbox"/>
Condensate Tanks: <input type="checkbox"/>	Water Tanks: <input type="checkbox"/>	Separators: <input type="checkbox"/>	Electric Motors: <input type="checkbox"/>	Multi-Well Pits: <input type="checkbox"/>
Gas or Diesel Motors: <input type="checkbox"/>	Cavity Pumps: <input type="checkbox"/>	LACT Unit: <input type="checkbox"/>	Pump Jacks: <input type="checkbox"/>	Pigging Station: <input type="checkbox"/>
Electric Generators: <input type="checkbox"/>	Gas Pipeline: <input type="checkbox"/>	Oil Pipeline: <input type="checkbox"/>	Water Pipeline: <input type="checkbox"/>	Flare: <input type="checkbox"/>
Gas Compressors: <input type="checkbox"/>	VOC Combustor: <input type="checkbox"/>	Oil Tanks: <input type="checkbox"/>	Fuel Tanks: <input type="checkbox"/>	

Other: WATER TANK LOCATED APPROX. 55' E OF CR Z AND 55 FEET SOUTH OF CR 22.

6. Construction:

Date planned to commence construction: 04/01/2010 Size of disturbed area during construction in acres: 0.34  
Estimated date that interim reclamation will begin: 07/01/2010 Size of location after interim reclamation in acres: 0.17  
Estimated post-construction ground elevation: 3893 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: XX Zip: \_\_\_\_\_ Date of Rule 306 surface owner consultation: 10/01/2008  
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 \_\_\_\_\_

8. Reclamation Financial Assurance:

☒ Well Surety ID: 20060021 ☐ 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: 4010, public road: 499, above ground utilit: 5280  
, railroad: 5280, property line: 247

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: JULESBERG LOAMY SAND

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: \_\_\_\_\_  
\_\_\_\_\_

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: 9610, water well: 800, depth to ground water: 37

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:

Reference area adjacent to and south of location. Location photo is reference area photo. sensitive area due to location in Northern High Plains Designated Groundwater Basin. water well permit #37874 static level = 37 feet. SECTION 7 - SURFACE OWNER INFO: THE SURFACE OWNER HAS ASKED THAT ONLY NAME & ADDRESS BE LISTED ON THIS FORM. OPERATOR WILL NOTIFY THE WHEN THE 2A HAS BEEN APPROVED. SECTION 9 - DISTANCE TO NEAREST ABOVE GROUND UTILITY & RAILROAD IS GREATER THAN 1 MILE. SECTION 14 - STATIC WATER LEVEL NOT LISTED ON THE PERMIT FOR THE NEAREST WATER WELL. CONDITIONS ARE THE SAME AS THE LAST SUBMITTAL, THE PAD HAS NOT BEEN BUILT YET. PER S.H. 4 DEC '09.

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

Signed: \_\_\_\_\_ Date: 12/02/2009 Email: SHAWN.HILDRETH@ROSETTARESOURCE S.COM

Print Name: SHAWN HILDRETH Title: REG ANALYST

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. Neshin*

Director of COGCC

Date: 1/7/2010

**Attachment Check List**

Att Doc Num	Name	Doc Description
1774531	FORM 2A	LF@2185139 1774531
1774532	LOCATION PICTURES	LF@2184384 1774532
1774533	LOCATION PICTURES	LF@2184382 1774533
1774534	LOCATION DRAWING	LF@2184386 1774534
1774535	HYDROLOGY MAP	LF@2185141 1774535
1774536	HYDROLOGY MAP	LF@2185145 1774536
1774537	LOCATION DRAWING	LF@2184385 1774537
1774538	ACCESS ROAD MAP	LF@2185146 1774538
1774539	REFERENCE AREA MAP	LF@2185148 1774539
1774540	REFERENCE AREA PICTURES	LF@2184387 1774540
1774541	REFERENCE AREA PICTURES	LF@2184389 1774541
1774542	NRCS MAP UNIT DESC	LF@2185152 1774542
1774543	PROPOSED BMPs	LF@2185153 1774543
1784683	CORRESPONDENCE	LF@2200533 1784683
1784714	ACCESS ROAD MAP	LF@2207346 1784714
1784715	LOCATION DRAWING	LF@2207347 1784715
1784716	HYDROLOGY MAP	LF@2207348 1784716
1784717	CORRESPONDENCE	LF@2207349 1784717

Total Attach: 18 Files