

State of Colorado
Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80205 Phone: (303) 894-2100 Fax: (303) 894-2109



Document Number:

400239700

Date Received:

03/05/2012

Oil and Gas Location Assessment

☐ New Location ☒ Amend Existing Location Location#: 421108

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 <http://colorado.gov/cogcc/> for all accompanying information pertinent to this Oil and Gas Location Assessment.

Location ID:

421108

Expiration Date:

☒ 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: 10091

Name: BERRY PETROLEUM COMPANY

Address: 1999 BROADWAY STE 3700

City: DENVER State: CO Zip: 80202

3. Contact Information

Name: HEIDI BANG

Phone: (303) 999-4262

Fax: (303) 999-4362

email: HSB@BRY.COM

4. Location Identification:

Name: SCHOOL HOUSE POINT Number: OM B21 696

County: GARFIELD

Quarter: NENE Section: 21 Township: 6S Range: 96W Meridian: 6 Ground Elevation: 8296

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: 460 feet FNL, from North or South section line, and 890 feet FEL, from East or West section line.

Latitude: 39.514494 Longitude: -108.107828 PDOP Reading: 1.2 Date of Measurement: 02/28/2012

Instrument Operator's Name: ROBERT WOOD

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

Special Purpose Pits: <u>0</u>	Drilling Pits: <u>0</u>	Wells: <u>12</u>	Production Pits: <u>0</u>	Dehydrator Units: <u>0</u>
Condensate Tanks: <u>8</u>	Water Tanks: <u>1</u>	Separators: <u>4</u>	Electric Motors: <u>0</u>	Multi-Well Pits: <u>0</u>
Gas or Diesel Motors: <u>0</u>	Cavity Pumps: <u>0</u>	LACT Unit: <u>0</u>	Pump Jacks: <u>0</u>	Pigging Station: <u>1</u>
Electric Generators: <u>0</u>	Gas Pipeline: <u>1</u>	Oil Pipeline: <u>0</u>	Water Pipeline: <u>1</u>	Flare: <u>0</u>
Gas Compressors: <u>0</u>	VOC Combustor: <u>0</u>	Oil Tanks: <u>0</u>	Fuel Tanks: <u>0</u>	

Other: SEPERATORS PROPOSED 4 QUAD SEPERATORS. DRILLING RIG, TEMPORARY OFFICE AND TEMPORARY HOUSING ON LOCATION FOR APPROX 10 DAYS PER WELL.

6. Construction:

Date planned to commence construction: 04/10/2012 Size of disturbed area during construction in acres: 6.31
Estimated date that interim reclamation will begin: 04/10/2014 Size of location after interim reclamation in acres: 2.66
Estimated post-construction ground elevation: 8288 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: TOTAL CLOSED LOOP SYSTEM

7. Surface Owner:

Name: Encana Phone: _____
Address: 370 17th St Fax: _____
Address: Suite 1700 Email: _____
City: Denver State: CO Zip: 80202 Date of Rule 306 surface owner consultation: _____
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: 20040105 ☐ 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: 5035, public road: 4570, above ground utilit: 4500
, railroad: 27000, property line: 2465

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: 38- Irigul - Starman chennery loams 5 to 50 percent slopes

NRCS Map Unit Name: 36- Irigul channery loam, 9 to 50 percent 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: 10/31/2011

List individual species: Mountain Mahogany, serviceberry, antelope bitterbrush, Gambel oak

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: 1267, water well: 6125, depth to ground water: 800

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:

The closest water well is an unnamed, private owner well (Permit # 144406/ Receipt # 0263277). Pad has not been built. Wells have not been drilled. Conductors have not been set. No rig on site. Reference well used for footages is the School House OM02D B21 696. The location does not require a variance from any of the rules listed in Rule 306.d. (1). (A). (ii). The location is not in a restricted surface occupancy area. The location is not in a sensitive wildlife habitat area.

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

Signed: _____ Date: 03/05/2012 Email: HSB@BRY.COM

Print Name: HEIDI BANG Title: REGULATORY COMPLIANCE AST

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: _____

**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
400239700	FORM 2A SUBMITTED
400239743	REFERENCE AREA PICTURES
400258088	LOCATION PICTURES
400258090	HYDROLOGY MAP
400258097	WELL LOCATION PLAT
400260757	ACCESS ROAD MAP
400260758	TOPO MAP
400260759	CONST. LAYOUT DRAWINGS
400260760	MULTI-WELL PLAN
400262685	LOCATION DRAWING

Total Attach: 10 Files

General Comments

User Group	Comment	Comment Date

Total: 0 comment(s)

BMP

Type	Comment

Total: 0 comment(s)