

**FORM
2A**Rev
04/01**State of Colorado
Oil and Gas Conservation Commission**

1120 Lincoln Street, Suite 801, Denver, Colorado 80203 Phone: (303) 894-2100 Fax: (303) 894-2109



Document Number:

400395276

Date Received:

03/25/2013

Oil and Gas Location Assessment☐ New Location ☒ Amend Existing Location Location#: 413956

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:

413956

Expiration Date:

05/16/2016☐ 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: 10071

Name: BARRETT CORPORATION* BILL

Address: 1099 18TH ST STE 2300

City: DENVER State: CO Zip: 80202

3. Contact Information

Name: Brady Riley

Phone: (303) 312-8115

Fax: (303) 291-0420

email: briley@billbarrettcorp.com

4. Location Identification:

Name: Knuckles Number: 2-11-39-18

County: DOLORES

QuarterQuarter: NWNE Section: 11 Township: 39N Range: 18W Meridian: N Ground Elevation: 6723

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: 251 feet FNL, from North or South section line, and 1980 feet FEL, from East or West section line.

Latitude: 37.660110 Longitude: -108.798880 PDOP Reading: 1.9 Date of Measurement: 02/05/2009

Instrument Operator's Name: T. Barbee

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

Other: Potential for temporary surface-laid water line; freshwater pond

6. Construction:

Date planned to commence construction: 08/01/2014 Size of disturbed area during construction in acres: 7.79
Estimated date that interim reclamation will begin: 11/01/2014 Size of location after interim reclamation in acres: 1.20
Estimated post-construction ground elevation: 6723 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 and Backfilling

7. Surface Owner:

Name: _____ Phone: _____
Address: _____ Fax: _____
Address: _____ Email: _____
City: _____ State: _____ Zip: _____ Date of Rule 306 surface owner consultation: 08/08/2007
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: 20040060 ☐ 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: 575, public road: 240, above ground utility: 221,
railroad: 158400, property line: 251

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: Wetherill Loam, 3-6% slopes (map unit symbol 144)

NRCS Map Unit Name: Cahona loam, 6 to 12 percent slopes (map unit symbol 19)

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 (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: 80, water well: 6652, depth to ground water: 67

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:

2A RENEWAL. Rule 305/306 consultations were waived in the attached surface use agreement. The nearest water well (permit 214662) was >1.5 miles away. Derrick height = 136'. Nothing else has been changed since last reviewed/approved. BBC still evaluating when to drill wells associated with this pad.

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

Signed: _____ Date: 03/25/2013 Email: BRILEY@BILLBARRETTCORP.COM

Print Name: BRADY RILEY Title: PERMIT 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:  Director of COGCC Date: 5/17/2013

**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.

SITE SPECIFIC COA:

Notify the COGCC 48 hours prior to start of pad construction, rig mobilization, spud, and start of hydraulic stimulation operations using Form 42 (the appropriate COGCC individuals will automatically be email notified, including the LGD for hydraulic stimulation operations).

Attachment Check List

Att Doc Num	Name
400395276	FORM 2A SUBMITTED
400395331	MULTI-WELL PLAN
400395333	HYDROLOGY MAP
400395341	SURFACE AGRMT/SURETY
400395345	ACCESS ROAD MAP
400395353	CONST. LAYOUT DRAWINGS
400395354	OTHER
400401007	NRCS MAP UNIT DESC
400401010	LOCATION DRAWING
400401011	LOCATION PICTURES

Total Attach: 10 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Final review completed; no LGD or public comment received.	5/6/2013 6:38:06 AM
OGLA	Initiated/Completed OGLA Form 2A review on 05-02-13 by Dave Kubeczko; previously submitted and approved (05-12-10) Form 2A#400053922; OGCC Facility ID#413956; same COAs apply: fluid containment, spill/release BMPs, cuttings low moisture, and lined drilling pit/closed loop; added notification COA; no CPW; passed by OGLA Form 2A review on 05-02-13 by Dave Kubeczko; fluid containment, spill/release BMPs, cuttings low moisture, lined drilling pit/closed loop, and notification COAs.	5/2/2013 11:30:22 AM
OGLA	<p>PREVIOUS FORM 2A#400053922 COAs:</p> <p>Reserve pit must be lined or closed loop system must be implemented during drilling.</p> <p>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.</p> <p>Operator must ensure 110 percent secondary containment for any volume of fluids contained at well site during drilling and completion operations. If fluids are conveyed via pipeline, operator must implement best management practices to contain any unintentional release of fluids.</p>	5/2/2013 11:30:21 AM
Permit	Returned to draft. Requested surface and minerals information, cultural information, GPS operators name, closed loop answer, attachments to be separated out, and BMP's to be entered into BMP tab.	3/26/2013 10:33:45 AM

Total: 4 comment(s)

BMP

<u>Type</u>	<u>Comment</u>
Storm Water/Erosion Control	Pad and access road to be designed to minimize erosion. Pad and access road to implement appropriate erosion control devices where necessary to minimize erosion. Routine inspections of sites and controls to be implemented with additions, repairs, and optimization to occur as necessary to minimize erosion.
Planning	Utilize diking and other forms of containment and diversions around tanks, drums, chemicals, liquids, puts and impoundments. Use drip pans, sumps, or liners where appropriate. Limit the amount of land disturbed during construction of pad, access road and facilities. Employ spill response plan for all facilities. Dispose properly offsite any water wastes, fluids, and other materials.
Material Handling and Spill Prevention	Secondary containment of tanks, drums, and storage areas is mandatory to prohibit discharges to surface waters. A minimum of 100% capacity required of largest storages within containment area. Material handling and spill prevention procedures and practices will be followed to prohibit discharges to surface waters. Proper loading unloading and transporting procedures to be followed for all materials to and from location. Follow spill response procedures. If spill occurs: safely stop the source of spill immediately; contain the spill until clean-up is complete; cover spill with appropriate absorbent material; keep area well ventilated; dispose of clean-up materials properly; do not use emulsifier or dispersant.
General Housekeeping	All employees are trained in spill response, good housekeeping, material management practices, and procedures for equipment and container washing at least once per year. Conduct internal storm water inspections at least semi-annually and within 24 hours of heavy rain event. Conduct routine inspections of all tanks and storage facilities at least weekly. All containment areas are to be inspected weekly or following a heavy rain event. Any excessive precipitation accumulation within containment should be removed and disposed of properly. All structural berms, dikes, and containment will be inspected periodically to ensure they are operating correctly. Minimum of an annual storm water BMP inspection and outcome report documenting status, including repairs. Vehicles entering location are to be free of chemical, oil, mud, weeds, trash and debris. Location to be treated to kill weeds and bladed when necessary.

Total: 4 comment(s)