

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:
2589108

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:
418340
Expiration Date:
07/15/2013

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: 10071
Name: BARRETT CORPORATION* BILL
Address: 1099 18TH ST STE 2300
City: DENVER State: CO Zip: 80202

3. Contact Information

Name: ELAINE WINICK
Phone: (303) 312-8168
Fax: (303) 291-0420
email: ewinick@billbarrettcorp.com

4. Location Identification:

Name: KAUFMAN (PAD #4) Number: 43D-25-692
County: GARFIELD
Quarter: NWNW Section: 30 Township: 6S Range: 91W Meridian: 6 Ground Elevation: 5786
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: 1026 feet, from North or South section line: FNL and 475 feet, from East or West section line: FWL
Latitude: 39.502853 Longitude: -107.604411 PDOP Reading: 6.0 Date of Measurement: 12/21/2009
Instrument Operator's Name: JIM KALMON

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

Special Purpose Pits: <input type="text"/>	Drilling Pits: <input type="text"/>	Wells: <input type="text" value="9"/>	Production Pits: <input type="text"/>	Dehydrator Units: <input type="text"/>
Condensate Tanks: <input type="text" value="6"/>	Water Tanks: <input type="text" value="4"/>	Separators: <input type="text" value="9"/>	Electric Motors: <input type="text"/>	Multi-Well Pits: <input type="text"/>
Gas or Diesel Motors: <input type="text"/>	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" value="1"/>	Water Pipeline: <input type="text" value="1"/>	Flare: <input type="text"/>
Gas Compressors: <input type="text"/>	VOC Combustor: <input type="text" value="2"/>	Oil Tanks: <input type="text"/>	Fuel Tanks: <input type="text"/>	

Other: FRAC TANKS - 30 (BBLs) TEMPORARY TANKS

6. Construction:

Date planned to commence construction: 05/25/2010 Size of disturbed area during construction in acres: 3.90
Estimated date that interim reclamation will begin: 05/25/2011 Size of location after interim reclamation in acres: 0.58
Estimated post-construction ground elevation: 6348 Will a closed loop system be used for drilling fluids: Yes [X]
Will salt sections be encountered during drilling: Yes [] No [X] Is H2S anticipated? Yes [] No []
Will salt (>15,000 ppm TDS Cl) or oil based muds be used: Yes [] No [X]
Mud disposal: Offsite [] Onsite [X] 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: _____
Surface Owner: [X] Fee [] State [] Federal [] Indian
Mineral Owner: [X] Fee [] State [] Federal [] Indian
The surface owner is: [] the mineral owner [X] 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 [X] 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 [X]
Distance, in feet, to nearest building: 752 , public road: 253 , above ground utilit: 725
, railroad: 23398 , property line: 230

10. Current Land Use (Check all that apply):

Crop Land: [] Irrigated [] Dry land [] Improved Pasture [] Hay Meadow [] CRP
Non-Crop Land: [X] 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: [X] 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: MAP UNIT SYMBOL: #50 (OLNEY LOAM, 3 TO 6 PERCENT SLOPES)

NRCS Map Unit Name: MAP UNIT SYMBOL: #55 (POTTS LOAM, 3 TO 6 PERCENT SLOPES)

NRCS Map Unit Name: MAP UNIT SYMBOL: #66 (TORRIORTHENTS-CAMBORTHIDS-ROCK OUTCROP COMPLEX, STEEP)

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: 218, water well: 535, depth to ground water: 44

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 Suppl 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 FALLS WITHIN THE INTERNAL BUFFER AND INTERMEDIATE BUFFER ZONES OF RULE 317B; A VARIANCE IS REQUEST.

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

Signed: _____ Date: 01/23/2010 Email: MBARBER@BILLBARRETTCORP.COM

Print Name: MATT BARBER 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:

David S. Nashin

Director of COGCC

Date: 7/16/2010

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.

Operator will notify any potentially impacted Public Water Systems within fifteen (15) stream miles downstream of the DCPS operation prior to the commencement of new surface disturbing activities at the site.

When sufficient water exists in the Classified Water supply Segment, collection of baseline surface water data consisting of a pre-drilling surface water sample collected immediately down gradient of the oil and gas location and follow-up surface water data consisting of a sample collected at the same location three(3) months after the conclusion of any drilling activities and operations or completion. The sample parameters shall include;

- pH;
- Alkalinity;
- Specific conductance;
- Major cations/anions (chloride, fluoride, sulfate, sodium);
- Total dissolved solids;
- BTEX/DRO;
- TPH;
- PAH's (including benzo(a)pyrene; and
- Metals (arsenic, barium, calcium, chromium, iron, magnesium, selenium).

No more than 15% of the well pad shall be within 300 feet of the nearest high water mark of Gibson Gulch, the "317B Inner Buffer Area".

The well pad shall be constructed in a manner that ensures there is a slope toward the southwest corner of the pad to contain any spills that may occur

Operator must ensure 110 percent secondary containment for any volume of fluids contained at well site during drilling and completion operations.

Operator will construct a berm around the perimeter of the well pad to contain any spills that may occur. The berm will be matted, inspected at regular intervals (at least every 14 days) and maintained in good condition

Application of stormwater BMPs including construction of a diversion ditch at the base of the fill slopes on the west, north, and east sides of the well pad. This diversion ditch must be sloped so that all water enters a detention basin, currently proposed to be constructed near the northwest corner of the pad.

Standard stormwater BMPs will be implemented at this location, as necessary, to insure compliance with CDPHE and COGCC requirements

Well pad and access road will be gravel surfaced.

A spill response trailer will be on location during all drilling and completion operations to facilitate a timely response to any spills that may occur.

Appropriate heavy equipment (e.g., a backhoe) will be staged at the location during all drilling and completion operations so that any emergency diversions or pits to contain spills can be built immediately upon discovery.

An emergency spill response program that includes employee training, safety and maintenance provisions and current contact information for downstream Public Water System(s) located within fifteen (15) stream miles of the DCPS Operation, as well as the ability to notify any such downstream Public Water System(s) with an intake(s) within fifteen (15) stream miles downstream of the DCPS operations. In the event of a spill or release, the operator shall immediately implement the emergency response procedures in the above described emergency response program. If a spill or release impacts or threatens to impact a Public Water System, the operator shall notify the affected or potentially affected Public water system(s) immediately following discovery of the release and the spill or release shall be reported to the Commission in accordance with Rule 906.b.(3) and to the Environmental Release /Incident Report hotline (1-877-518-5608) in accordance with 906.b.(4)

All personnel working at the location during all drilling and completion operations will receive training on spill response and reporting. Documentation of this training will be maintained in BBC's Silt office.

At a minimum, weekly spill prevention meetings will be held identifying staff responsibilities in order to provide a quick and effective response to a spill. Appropriate documentation will be maintained in BBC's Silt office.

Operator will conduct daily inspections of DCPS equipment for leaks and equipment problems with appropriate documentation retained in BBC's Silt office. All DCPS equipment deficiencies shall be corrected.

Operator will use qualified containment devices for all appropriate chemicals/hazardous materials.

Operator will provide an increased testing frequency (at least every thirty (30) days) of blowout prevention equipment (BOPE) during drilling operations.

Operator will use a rig floor safety valve with connections suitable for use with each size and tool joint or coupling being used on the job;

Pitless drilling systems shall be utilized.

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 meet the applicable standards of table 910-1.

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

If fluids are conveyed via pipeline, operator must implement best management practices to contain any unintentional release of fluids from the pipeline.

Flowback and stimulation fluids shall be contained within tanks that are placed on the well pad in an area with down gradient perimeter berming;

Operator shall equip and maintain on all tanks an electronic level monitoring device that will immediately shut in all wells on the pad if the tanks are in danger of overflowing.

Operator shall install a 48 inch high steel containment ring around tank batteries to provide secondary containment and install a synthetic liner that underlies the entire battery and is keyed into the top of the containment ring.

Operator shall install electronic level monitoring within the containment ring around the tanks that will shut in all of the wells on the pad to prevent a tank release from overflowing the containment device.

Pursuant to a request by the Town of Silt, collection of surface water samples from a location on Divide Creek, that is down gradient of all operations on a quarterly basis. This is in addition to surface water sampling required in Rule 317B that will occur on Gibson Gulch.

Attachment Check List

Att Doc Num	Name	Doc Description
1791648	PROPOSED BMPs	LF@2504117 1791648
1791649	CORRESPONDENCE	LF@2504123 1791649
1791650	CONST. LAYOUT DRAWINGS	LF@2504131 1791650
2033083	CORRESPONDENCE	LF@2459943 2033083
2033101	PROPOSED BMPs	LF@2465740 2033101
2033104	CORRESPONDENCE	LF@2465808 2033104
2033105	PROPOSED BMPs	LF@2465809 2033105
2033144	317B NOTIFICATION	LF@2489177 2033144
2033145	317B NOTIFICATION	LF@2489178 2033145
2099367	HYDROLOGY MAP	LF@2435244 2099367
2589108	FORM 2A	LF@2436411 2589108
2589109	LOCATION PICTURES	LF@2435237 2589109
2589110	WELL LOCATION PLAT	LF@2435229 2589110
2589111	LOCATION PICTURES	LF@2435239 2589111
2589112	LOCATION DRAWING	LF@2435224 2589112
2589113	HYDROLOGY MAP	LF@2435245 2589113
2589114	ACCESS ROAD MAP	LF@2435241 2589114
2589115	REFERENCE AREA MAP	LF@2435243 2589115
2589116	NRCS MAP UNIT DESC	LF@2435225 2589116
2589117	CONST. LAYOUT DRAWINGS	LF@2435226 2589117
2589118	MULTI-WELL PLAN	LF@2435227 2589118
2589119	PROPOSED BMPs	LF@2435228 2589119

Total Attach: 22 Files