

FORM
2A

Rev
08/13

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:

400556630

Date Received:

02/18/2014

Oil and Gas Location Assessment

☐ New Location ☐ Refile ☒ Amend Existing Location Location#: 435515

Submit signed original form. This Oil and Gas Location Assessment is to be submitted to the COGCC for approval prior to any ground disturbance activity associated with oil and gas operations. Approval of this Oil and Gas Location 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. Please see the COGCC website at <http://cogcc.state.co.us/> for all accompanying information pertinent this Oil and Gas Location Assessment.

Location ID:

435515

Expiration Date:

04/26/2017

☐ This location assessment is included as part of a permit application.

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.

Operator

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

Contact Information

Name: Venessa Langmacher
Phone: (303) 312-8172
Fax: (303) 291-0420
email: vlangmacher@billbarrettcorp.com

RECLAMATION FINANCIAL ASSURANCE

☒ Plugging and Abandonment Bond Surety ID: 20040060 ☐ Gas Facility Surety ID: _____
☐ Waste Management Surety ID: _____

LOCATION IDENTIFICATION

Name: State of CO South Number: 1S-66-36
County: ADAMS
QuarterQuarter: SWSW Section: 36 Township: 1S Range: 66W Meridian: 6 Ground Elevation: 5227
Define a single point as a location reference for the facility location. When the location is to be used as a well site then the point shall be a well location.
Footage at surface: 1071 feet FSL from North or South section line
295 feet FWL from East or West section line
Latitude: 39.917288 Longitude: -104.732457
PDOP Reading: 6.0 Date of Measurement: 09/18/2013
Instrument Operator's Name: Jim Kalmon

RELATED REMOTE LOCATIONS

(Enter as many Related Locations as necessary. Enter the Form 2A document # only if there is no established COGCC Location ID#)

This proposed Oil and Gas Location is:

LOCATION ID # FORM 2A DOC #

FACILITIES

Indicate the number of each type of oil and gas facility planned on location

Wells	<u>10</u>	Oil Tanks	<u>10</u>	Condensate Tanks	<u> </u>	Water Tanks	<u>2</u>	Buried Produced Water Vaults	<u> </u>
Drilling Pits	<u> </u>	Production Pits	<u> </u>	Special Purpose Pits	<u> </u>	Multi-Well Pits	<u> </u>	Temporary Large Volume Above Ground Tanks	<u>3</u>
Pump Jacks	<u>10</u>	Separators	<u>10</u>	Injection Pumps	<u>1</u>	Cavity Pumps	<u> </u>		
Gas or Diesel Motors	<u> </u>	Electric Motors	<u>10</u>	Electric Generators	<u> </u>	Fuel Tanks	<u> </u>	Gas Compressors	<u>1</u>
Dehydrator Units	<u> </u>	Vapor Recovery Unit	<u>1</u>	VOC Combustor	<u>2</u>	Flare	<u>1</u>	LACT Unit	<u> </u>
								Pigging Station	<u>1</u>

OTHER FACILITIES

Other Facility Type

Number

Vapor Recovery Towers

2

Per Rule 303.b.(3)C, description of all oil, gas, and/or water pipelines:

One gas pipeline up to 8 inch in diameter, one water line up to 4 inch in diameter and one residue line up to 4 inch in diameter would be installed. Pipelines would be constructed of steel, polyethylene or fiberglass.

CONSTRUCTION

Date planned to commence construction: 04/01/2014 Size of disturbed area during construction in acres: 12.35

Estimated date that interim reclamation will begin: 07/01/2014 Size of location after interim reclamation in acres: 2.25

Estimated post-construction ground elevation: 5226

DRILLING PROGRAM

Will a closed loop system be used for drilling fluids: Yes

Is H₂S anticipated? No

Will salt sections be encountered during drilling: No

Will salt based mud (>15,000 ppm Cl) be used? No

Will oil based drilling fluids be used? No

DRILLING WASTE MANAGEMENT PROGRAM

Drilling Fluids Disposal: OFFSITE

Drilling Fluids Disposal Method: Other

Cutting Disposal: OFFSITE

Cuttings Disposal Method: Other

Other Disposal Description:

Mud and Cuttings from the Vertical portion of the wellbore will be hauled to Moser Spreadfield (Location ID 436067). Mud and Cuttings from the lateral section of the well will be hauled to Republic Services Landfill.

Beneficial reuse or land application plan submitted? Yes

Reuse Facility ID: 436067 or Document Number:

Centralized E&P Waste Management Facility ID, if applicable:

SURFACE & MINERALS & RIGHT TO CONSTRUCT

Name: State of CO

Phone: _____

Address: 1127 Sherman Street

Fax: _____

Address: _____

Email: _____

City: Denver State: CO Zip: 80203

Surface Owner: ☐ Fee ☒ State ☐ Federal ☐ Indian

Check all that apply. The Surface Owner: ☒ is the mineral owner

☒ is committed to an oil and Gas Lease

☒ has signed the Oil and Gas Lease

☐ is the applicant

The Mineral Owner beneath this Oil and Gas Location is: ☐ Fee ☒ State ☐ Federal ☐ Indian

The Minerals beneath this Oil and Gas Location will be developed from or produced to this Oil and Gas Location: Yes

The right to construct this Oil and Gas Location is granted by: oil and gas lease

Surface damage assurance if no agreement is in place: _____ Surface Surety ID: _____

Date of Rule 306 surface owner consultation _____

CURRENT AND FUTURE LAND USE

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

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

CULTURAL DISTANCE INFORMATION

Distance to nearest:

Building: 875 Feet
Building Unit: 875 Feet
High Occupancy Building Unit: 3910 Feet
Designated Outside Activity Area: 5280 Feet
Public Road: 195 Feet
Above Ground Utility: 180 Feet
Railroad: 5280 Feet
Property Line: 205 Feet

INSTRUCTIONS:

- All measurements shall be provided from center of nearest Well or edge of nearest Production Facility to nearest of each cultural feature as described in Rule 303.b.(3)A.
- Enter 5280 for distance greater than 1 mile.
- Building - nearest building of any type. If nearest Building is a Building Unit, enter same distance for both.
- Building Unit, High Occupancy Building Unit, and Designated Outside Activity Area - as defined in 100-Series Rules.

DESIGNATED SETBACK LOCATION INFORMATION

Check all that apply. This location is within a: ☒ Buffer Zone
☐ Exception Zone
☐ Urban Mitigation Area

- Buffer Zone - as described in Rule 604.a.(2), within 1,000' of a Building Unit.
- Exception Zone - as described in Rule 604.a.(1), within 500' of a Building Unit.
- Urban Mitigation Area - as defined in 100-Series Rules.

Pre-application Notifications (required if location is within 1,000 feet of a building unit):

Date of Rule 305.a.(1) Urban Mitigation Area Notification to Local Government: _____

Date of Rule 305.a.(2) Buffer Zone Notification to Building Unit Owners: _____

SOIL

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.org/> 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: AvC: Ascalon-Vona Sandy Loam; 1-5% slopes

NRCS Map Unit Name: Bt: Blakeland Truckton Association

NRCS Map Unit Name: _____

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: 09/18/2013

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): _____

WATER RESOURCES

Is this a sensitive area: ☐ No ☒ Yes

Distance to nearest

downgradient surface water feature: 4400 Feet

water well: 410 Feet

Estimated depth to ground water at Oil and Gas Location 246 Feet

Basis for depth to groundwater and sensitive area determination:

Static Water Level of nearby water well.

Is the location in a riparian area: ☒ No ☐ Yes

Was an Army Corps of Engineers Section 404 permit filed ☒ No ☐ Yes If yes attach permit.

Is the location within a Rule 317B Surface Water Supply Area buffer No 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: _____

GROUNDWATER BASELINE SAMPLING AND MONITORING AND WATER WELL SAMPLING

Water well sampling required per Rule 318A

DESIGNATED SETBACK LOCATION EXCEPTIONS

Check all that apply:

- ☐ Rule 604.a.(1)A. Exception Zone (within 500' of Building Unit)
- ☒ Rule 604.b.(1)A. Exception Location (existing or approved Oil & Gas Location now within a Designated Setback as a result of Rule 604.a.)
- ☐ Rule 604.b.(1)B. Exception Location (existing or approved Oil & Gas Location is within a Designated Setback due to Building Unit construction after Location approval)
- ☐ Rule 604.b.(2) Exception Location (SUA or site-specific development plan executed on or before August 1, 2013)
- ☐ Rule 604.b.(3) Exception Location (Building Units constructed after August 1, 2013 within setback per an SUA or site-specific development plan)

RULE 502.b VARIANCE REQUEST

☐ Rule 502.b. Variance Request from COGCC Rule or Spacing Order Number _____

ALL exceptions and variances require attached Request Letter(s). Refer to applicable rule for additional required attachments (e.g. waivers, certifications, SUAs).

OPERATOR COMMENTS AND SUBMITTAL

Comments

This location is being amended to include an existing production facility site to this pad. The production facilities for this wellpad will be placed on the existing disturbance as shown on the attached facility layout. There will be no additional disturbance; all construction will remain within the original disturbance. BBC is requesting an exception to the buffer zone setback requirements due to this location currently being an existing production facility pad.

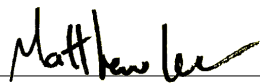
I hereby certify that the statements made in this form are, to the best of my knowledge, true, correct and complete.

Signed: _____ Date: 02/18/2014 Email: vlangmacher@billbarrettcorp.com

Print Name: Venessa Langmacher Title: Sr 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: 4/27/2014

Conditions Of Approval

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.

COA Type

Description

	The proposed Location is located within a Buffer Zone setback and Sensitive Area. Met onsite with the operator 04/07/2014. Based on the onsite, operator will mitigate for visual impacts by using low-profile tanks placed at a topographically lower elevation than the current tanks and equipment and constructing a 3-foot vegetated berm around the western and southern boundaries of the location.
	The proposed location is in a sensitive area with a domestic water well in close proximity to the proposed location. Secondary containment areas for tanks shall be constructed of steel rings, designed and installed to prevent leakage and resist degradation from erosion or routine operation and shall be constructed with a synthetic or engineered liner that contains all primary containment vessels and flowlines and is mechanically connected to the steel ring to prevent leakage.

Best Management Practices

No BMP/COA Type

Description

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Attachment Check List

Att Doc Num

Name

1668206	REVISED LOCATION DRAWING
400556630	FORM 2A SUBMITTED
400556740	FACILITY LAYOUT DRAWING
400556758	EXCEPTION LOC REQUEST

Total Attach: 4 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Distances to cultural features are from nearest production facility, not wellheads. No safety setback issues from wellheads. No public comments. Final Review--passed.	4/24/2014 2:50:26 PM
OGLA	COGCC & Operator met onsite to discuss visual mitigation 4/7/14. Tanks and production equipment will be set lower than current tanks and equipment and will be low profile tanks. Tank design and placement combined with a low earthen berm should provide adequate visual mitigation for this location. Further specifics to be provided by operator.	4/14/2014 5:13:50 PM
OGLA	placed on hold pending site visit to evaluate visual mitigation.	4/3/2014 4:17:39 PM
OGLA	Please provide the Waste Management Plan as required by Rule 303b(3)Jii. The Plan is required prior to Final Approval of this For 2A.	4/1/2014 1:31:07 PM
OGLA	Added "Buffer Zone" to the Cultural Setbacks section.	4/1/2014 12:00:34 PM
OGLA	Added Rangeland to the Existing and Future Land Use sections.	4/1/2014 11:59:16 AM
OGLA	Changed the distance to the nearest building to 875 feet (consistent with the distance to the nearest building unit).	4/1/2014 11:58:18 AM
OGLA	Please provide the information for all pipelines proposed for the location.	4/1/2014 11:52:14 AM
OGLA	Revised Interim Reclamation date.	3/31/2014 3:53:16 PM
Permit	Verified surface restoration bond with TK at State Land Board.	3/19/2014 6:46:05 AM
Permit	Req'd. surface restoration bond verification from SLB.	3/11/2014 7:31:47 AM
OGLA	Received phone call from resident within 1/2 mile who received notice from Adams County and who requested visual mitigation such as trees, which would also benefit wildlife. COGCC contacted operator and requested information on visual mitigation, to which the operator verbally committed. COGCC also requested revised Location Drawing.	3/6/2014 12:22:37 PM
Permit	Asked for clarification of different distances to cultural features on this 2A versus original 2A. Original was not in a buffer zone. Expansion of pad to include existing facilities has changed distances to cultural features.	2/26/2014 12:25:32 PM
LGD	There is an existing and approved access point into this location. Representatives of the Bill Barrett Corporation have been informed that the access point will need to be upgraded with new base course/tracking pad material. Please contact Gordon Stevens at Adams County , 720-523-6965 for additional information if necessary.	2/21/2014 3:52:39 PM
Permit	Passed completeness.	2/19/2014 1:40:03 PM

Total: 15 comment(s)