

**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:
400091543

Oil and Gas Location Assessment

☐ New Location ☒ Amend Existing Location Location#: 316675

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:
316675
Expiration Date:
10/18/2013

☒ 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: 10172
Name: BOPCO LP
Address: 9949 SOUTH OSWEGO ST #200
City: PARKER State: CO Zip: 80134

3. Contact Information

Name: Reed Haddock
Phone: (303) 799-5080
Fax: (303) 799-5081
email: rhaddock@basspet.com

4. Location Identification:

Name: Yellow Creek Federal Number: 4-32-1
County: RIO BLANCO
QuarterQuarter: LOT 6 Section: 4 Township: 1S Range: 98W Meridian: 6 Ground Elevation: 6580
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: 1558 feet FNL, from North or South section line, and 1946 feet FEL, from East or West section line.
Latitude: 40.001320 Longitude: -108.393950 PDOP Reading: 2.4 Date of Measurement: 07/05/2007
Instrument Operator's Name: Brock Slaugh

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="1"/> | Production Pits: <input type="text"/> | Dehydrator Units: <input type="text"/> |
| Condensate Tanks: <input type="text" value="1"/> | 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="2"/> | 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" value="1"/> | Flare: <input type="text"/> |
| Gas Compressors: <input type="text"/> | VOC Combustor: <input type="text"/> | Oil Tanks: <input type="text"/> | Fuel Tanks: <input type="text"/> | |

Other: _____

6. Construction:

Date planned to commence construction: 06/01/2011 Size of disturbed area during construction in acres: 3.04
Estimated date that interim reclamation will begin: 10/01/2012 Size of location after interim reclamation in acres: 1.25
Estimated post-construction ground elevation: 6579 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: Bureau of Land Management Phone: 970-878-3800
Address: 220 E. Market St. Fax: 970-878-3805
Address: _____ Email: christina_barlow@blm.gov
City: Meeker State: CO Zip: 81641 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: _____ ☐ Gas Facility Surety ID: _____ ☐ Waste Mgmt. Surety ID: _____

9. Cultural:

Is the location in a high density area (Rule 603.b.): Yes ☐ No ☒
Distance, in feet, to nearest building: 14044 , public road: 6283 , above ground utilit: 14044
 , railroad: 196416 , property line: 9504

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: 64 - Piceance fine sandy loam, 5 to 15 percent slopes

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 (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: 1019, water well: 13094, depth to ground water: 1085

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 pad was 1/3 built in the fall of 2009. The partial pad is currently used as a transfer point for produced water which is injected into a permitted SWD well. Big game strips in place December 1 - March 31. Based on COGCC layers this 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: 09/15/2010 Email: rhaddock@basspet.com

Print Name: Reed Haddock Title: Regulatory Analyst

IMPORTANT: SOME DATA FIELDS HAVE BEEN MODIFIED.

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. Neslin

Director of COGCC

Date: 10/19/2010

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.

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.

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.

Reserve pit must be lined or a closed loop system must be implemented (which BOPCO has already indicated on the Form 2A).

Attachment Check List

| Att Doc Num | Name |
|-------------|-------------------------|
| 2033439 | CORRESPONDENCE |
| 2033442 | REFERENCE AREA PICTURES |
| 400091543 | FORM 2A APPROVED |
| 400091661 | NRCS MAP UNIT DESC |
| 400091663 | ACCESS ROAD MAP |
| 400091665 | PROPOSED BMPs |
| 400091674 | REFERENCE AREA MAP |
| 400091853 | CONST. LAYOUT DRAWINGS |
| 400093036 | OTHER |
| 400093507 | LEGAL/LEASE DESCRIPTION |
| 400093561 | LOCATION PICTURES |
| 400093567 | LOCATION DRAWING |
| 400093578 | HYDROLOGY MAP |
| 400103504 | FORM 2A SUBMITTED |

Total Attach: 14 Files

General Comments

| <u>User Group</u> | <u>Comment</u> | <u>Comment Date</u> |
|--------------------------|--|----------------------------|
| OGLA | Initiated/Completed OGLA Form 2A review on 09-20-10 by Dave Kubeczko; requested clarifications and acknowledgement of SW fluid containment, spill/release BMPs closed loop/lined pits COAs from operator on 09-20-10; received clarifications and acknowledgement of COAs from operator on 09-21-10; no CDOW; passed OGLA Form 2A review on 10-08-10 by Dave Kubeczko; close SW fluid containment, spill/release BMPs, and closed loop/lined pits COAs. | 9/20/2010 5:48:42 PM |
| Permit | from opr: "I have added the "Location Pictures", adjusted the "Well Location Plat" to reflect page 2, and enlarged the "Hydrology Map". Let me know if there is anything else I need to do. " I renamed well loc plat to loc drawing | 9/17/2010 9:12:19 AM |
| Permit | opr comment: "I re-did the hydrology map, but be aware the map is made with COGCC layers and I cannot remove all of the well locations symbols which are in red. Also, the water wells are blue and in this case there is only one on the map which is also a COGCC layer. The circle shows a 1000' radius." still missing location drawing - leaving in upload for opr to upload missing attachments - email/phoned opr | 9/16/2010 4:34:24 PM |
| Permit | per discussion this a.m. taking out plugging surety due to mineral right being federal/opr acknowledged Later returning to draft: •The location drawing IS NOT INCLUDED; it needs to address visible improvements within 400' – see guidelines below: •The Hydrology map is inadequate – please see guidance below; there is usually a reference 1000' radius circle with appropriate comments addressing water/riparian areas. You need to specify 1000' radius. You don't need info beyond 1000' and state "no water wells" if there are none (right now it's implied there are none – but are all the red dots wells or what? ...so it leaves me / permitter wondering/needng clarification. •Location plats not needed in form 2As; please remove •Fed/fed lease takes precedence in right to drill – thus not an SUA and thus Surface use plan that you labeled and SUA is not needed-remove | 9/16/2010 1:32:51 PM |

Total: 4 comment(s)

BMP

| <u>Type</u> | <u>Comment</u> |
|-----------------------------|--|
| Storm Water/Erosion Control | This pad is 1/3 built and is currently inspected every 2 weeks under the terms of the stormwater management plan for the Yellow Creek Field. In the attachments find 2 plats and the anticipated stormwater BMP's to be used once the whole pad is built. The first stormwater plat titled "Other" shows the current BMP's in place on 1/3 of the pad. The second stormwater plat titled "Proposed BMP's" show the anticipated BMP's to be used once the whole pad is built. |

Total: 1 comment(s)