

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:  
400119672

**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 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:  
**421525**  
Expiration Date:  
**02/07/2014**

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: 31-23-1  
 County: RIO BLANCO  
 Quarter: NESW Section: 31 Township: 1N Range: 97W Meridian: 6 Ground Elevation: 6384  
 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: 1074 feet FSL, from North or South section line, and 2248 feet FWL, from East or West section line.  
 Latitude: 40.008390 Longitude: -108.322540 PDOP Reading: 1.5 Date of Measurement: 10/13/2010  
 Instrument Operator's Name: Dee 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="2"/> | Water Tanks: <input type="text" value="4"/>  | Separators: <input type="text" value="1"/> | 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"/>         | 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: 08/01/2011 Size of disturbed area during construction in acres: 3.31  
 Estimated date that interim reclamation will begin: 08/01/2012 Size of location after interim reclamation in acres: 1.25  
 Estimated post-construction ground elevation: 6384 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: \_\_\_\_\_ Phone: \_\_\_\_\_  
 Address: \_\_\_\_\_ Fax: \_\_\_\_\_  
 Address: \_\_\_\_\_ Email: \_\_\_\_\_  
 City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ Date of Rule 306 surface owner consultation: 10/22/2010  
 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 Mgnt. Surety ID: \_\_\_\_\_

9. Cultural:

Is the location in a high density area (Rule 603.b.): Yes  No   
 Distance, in feet, to nearest building: 6072, public road: 3301, above ground utilit: 6072  
 , railroad: 196400, property line: 4971

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 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: 33 - Forelle loam, 3-8 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: 753, water well: 4419, depth to ground water: 35

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:

The surface use plan represents the BMP's. The Storm Water Management Plan is located on site at the gas plant. This plan was prepared in March 2007 and updated in December 2010.

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

Signed: \_\_\_\_\_ Date: 01/17/2011 Email: rhaddock@basspet.com

Print Name: Reed Haddock Title: Regulatory Analyst

Based on the information provided herein, this Application for Permit-to-Drill complies with COGCC Rules and applicable orders and is hereby approved.

*David S. Neslin*

COGCC Approved: \_\_\_\_\_

Director of COGCC

Date: 2/8/2011

**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.**

Berms or other containment devices shall be constructed in compliance with Rule 604.a.(4) around crude oil, condensate, and produced water storage tanks.

Flowback and stimulation fluids must be sent to tanks to allow the sand to settle out before the fluids can be placed into any pipeline or pit located on the well pad. The flowback and stimulation fluid tanks must be placed on the well pad in an area with additional downgradient perimeter berming. The area where flowback fluids will be stored/reused must be constructed to be sufficiently impervious to contain any spilled or released material (per Rule 604.a.(4)).

Reserve pit must be lined or a closed loop system must be implemented (which operator has already indicated on the 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; including, but not limited to, construction of a berm or diversion dike, diversion/collection trenches within and/or outside of berms/dikes, site grading, or other comparable measures (i.e., best management practices (BMPs) associated with stormwater management) sufficiently protective of nearby surface water. Any berm constructed at the well pad location will be stabilized, inspected at regular intervals (at least every 14 days), and maintained in good condition.

The access road will be constructed as to not allow any sediment to migrate from the access road to nearby surface water or any drainages leading to surface water.

**Attachment Check List**

| Att Doc Num | Name                    |
|-------------|-------------------------|
| 2033590     | CORRESPONDENCE          |
| 400119672   | FORM 2A SUBMITTED       |
| 400121377   | LOCATION PICTURES       |
| 400121378   | HYDROLOGY MAP           |
| 400121380   | NRCS MAP UNIT DESC      |
| 400121381   | ACCESS ROAD MAP         |
| 400121383   | PROPOSED BMPs           |
| 400123418   | LEGAL/LEASE DESCRIPTION |
| 400123979   | SURFACE PLAN            |
| 400124797   | LOCATION DRAWING        |
| 400124798   | WELL LOCATION PLAT      |

Total Attach: 11 Files

**General Comments**

| <b><u>User Group</u></b> | <b><u>Comment</u></b>   | <b><u>Comment Date</u></b> |
|--------------------------|---|----------------------------|
| DOW                      | CDOW has reviewed the lease agreement, as well as the surface use agreement, between the operator and WRFO of the BLM. CDOW affirms that the provisions of the SUA, as well as the stipulations of the lease, to be conditions of approval for this location.<br><br>Submitted by: Ed Winters, Land Use Specialist<br><br>27 January 2011 @ 08:45   | 1/27/2011<br>8:49:02 AM    |
| OGLA                     | Initiated/Completed OGLA Form 2A review on 01-20-11 by Dave Kubeczko; requested acknowledgement of fluid containment, spill/release BMPs, flowback to tanks, tank berming, access road sediment control, and cuttings low moisture content COAs from operator on 01-20-11; received acknowledgement of COAs from operator on 01-20-10; passed by CDOW on 01-27-11 with operator submitted BMPs (with permit application) and BLM stipulations and COAs acceptable; passed OGLA Form 2A review on 02-08-11 by Dave Kubeczko; fluid containment, spill/release BMPs, flowback to tanks, tank berming, access road sediment control, and cuttings low moisture content COAs. | 1/20/2011<br>6:14:53 AM    |

Total: 2 comment(s)

**BMP**

| <b><u>Type</u></b> | <b><u>Comment</u></b>   |
|--------------------|---|
| Pre-Construction   | See the "Stormwater Management" outlining the proposed BMP's and pre-stormwater plat. |

Total: 1 comment(s)