IMPORTANT: SOME DATA FIELDS HAVE BEEN MODIFIED.

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

| DE | ET | OE | ES |
|---|---|---|---|

Document Number: 400165534

## Oil and Gas Location Assessment

☐ New Location ☒ Amend Existing Location Location#: 316489

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: **316489**

Expiration Date: **06/09/2014**

☒ 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: 3-42-1

County: RIO BLANCO

QuarterQuarter: LOT 5 Section: 3 Township: 1S Range: 98W Meridian: 6 Ground Elevation: 6430

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: 1997 feet FNL , from North or South section line, and 960 feet FEL , from East or West section line.

Latitude: 40.000130 Longitude: -108.371400 PDOP Reading: 2.0 Date of Measurement: 06/28/2007

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: | | Drilling Pits: | | Wells: | 1 | Production Pits: | | Dehydrator Units: | |
| Condensate Tanks: | 2 | Water Tanks: | 4 | Separators: | 1 | Electric Motors: | | Multi-Well Pits: | |
| Gas or Diesel Motors: | | Cavity Pumps: | | LACT Unit: | | Pump Jacks: | | Pigging Station: | |
| Electric Generators: | | Gas Pipeline: | 1 | Oil Pipeline | | Water Pipeline: | 1 | Flare: | |
| Gas Compressors: | | | | VOC Combustor: | | Oil Tanks: | | Fuel Tanks: | |

Other: _____

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## 6. Construction:

Date planned to commence construction: 09/01/2011 Size of disturbed area during construction in acres: 3.27

Estimated date that interim reclamation will begin: 09/03/2012 Size of location after interim reclamation in acres: 1.43

Estimated post-construction ground elevation: 6429 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 [X]

Will salt (>15,000 ppm TDS Cl) or oil based muds be used: Yes [ ] No [X]

Mud disposal: Offsite [X] Onsite [ ] Method: Land Farming [ ] Land Spreading [ ] Disposal Facility [X]

Other:

## 7. Surface Owner:

Name: Phone:

Address: Fax:

Address: Email:

City: State: Zip: Date of Rule 306 surface owner consultation: 05/04/2011

Surface Owner: [ ] Fee [ ] State [X] Federal [ ] Indian

Mineral Owner: [ ] Fee [ ] State [X] Federal [ ] Indian

The surface owner is: [X] the mineral owner [ ] committed to an oil and gas lease

[X] 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: [ ] 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: 7920 , public road: 4812 , above ground utilit: 7920

, railroad: 190080 , property line: 960

## 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.

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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: 2770 , water well: 11880 , depth to ground water: 382

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 at the gas plant. This plan was prepared in March 2007 and updated in December 2010. The reference area is located immediately adjacent to the well pad to the north on undisturbed land.

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

Signed: Date: 05/18/2011 Email: rhaddock@basspet.com

Print Name: Reed Haddock Title: Regulatory Analyst

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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: 6/10/2011

**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.**

GENERAL SITE COAs:

Operator must implement best management practices to contain any unintentional release of fluids, including any fluids conveyed via temporary surface pipelines or buried permanent pipelines.

Reserve pit, or any pit used to hold fluids, if constructed, must be lined or a closed loop system (which operator has been indicated on the Form 2A) must be implemented during drilling.

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 sufficiently protective of nearby surface water. If fluids are conveyed via pipeline, operator must implement best management practices to contain any unintentional release of drilling, completion, or produced fluids.

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.

Berms or other containment devices shall be constructed to be sufficiently impervious to contain any spilled or released material around crude oil, condensate, and produced water storage tanks.

## Attachment Check List

| Att Doc Num | Name |
|---|---|
| 2033866 | CORRESPONDENCE |
| 400165534 | FORM 2A SUBMITTED |
| 400165569 | ACCESS ROAD MAP |
| 400165571 | NRCS MAP UNIT DESC |
| 400165572 | HYDROLOGY MAP |
| 400165573 | LOCATION PICTURES |
| 400165574 | LOCATION PICTURES |
| 400165575 | LEGAL/LEASE DESCRIPTION |
| 400165580 | LOCATION DRAWING |
| 400166264 | SURFACE PLAN |
| 400166265 | WELL LOCATION PLAT |
| 400167150 | PROPOSED BMPs |

Total Attach: 12 Files

## General Comments

| User Group | Comment | Comment Date |
|---|---|---|
| OGLA | Initiated/Completed OGLA Form 2A review on 05-30-11 by Dave Kubeczko; requested acknowledgement of fluid containment, spill/release BMPs, flowback to tanks, tank berming, and lined pit/closed loop COAs from operator on 05-30-11; received clarifications and acknowledgement of COAs from operator on 05-31-11; no CDOW; passed OGLA Form 2A review on 06-10-11 by Dave Kubeczko; fluid containment, spill/release BMPs, flowback to tanks, tank berming, and lined pit/closed loop COAs. | 5/30/2011 2:26:07 PM |
| Permit | Back to draft for BMPs to be put into BMP tab. sf | 5/19/2011 4:07:17 PM |

Total: 2 comment(s)

## BMP

| Type | Comment |
|---|---|
| Storm Water/Erosion Control | Stormwater Management will be managed under BOPCO, L.P. Stormwater Management Plan (SWMP), Yellow Creek Field, Rio Blanco County, Colorado, updated December 2010. The SWMP is covered under the CDPS large construction permit COR-030000.<br><br>Prior to construction a stormwater “perimeter” will be built around the site for initial work purposes. Once the pad construction is completed, BOPCO, L.P. Stormwater Administrator will inspect the site and install any necessary Erosion Control Devices to manage sediment discharge from the pad. These devices may include but are not limited to:<br><br>Rock Checks Dams, V- Ditches, Rock Armoring of Access Roads, Erosion Control Blankets, Straw Waddles, Silt Fencing<br>Berm/Diversion, and Outlet Protection<br><br>Once the final stormwater erosion control devices are installed they will be mapped in GIS and a diagram of the site will be drafted and included as part of the SWMP as required by the CDPHE General Permit.<br><br>This site will be inspected every 14 days and 72 hours after any major storm event. These inspections will be recorded and documented in the SWMP onsite at the Yellow Creek Field gas plant. Any necessary repairs or modification will be made and documented in the SWMP. An updated site diagram will be included in the SWMP. |

Total: 1 comment(s)