

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:  
400096428

Oil and Gas Location Assessment

New Location  Amend Existing Location Location#: 413543

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:  
**413543**  
Expiration Date:  
**10/04/2013**

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: 8960  
Name: BONANZA CREEK ENERGY OPERATING COMPANY LLC  
Address: P O BOX 21974  
City: BAKERSFIELD State: CA Zip: 93390

3. Contact Information

Name: Keith Caplan ext. 203  
Phone: (720) 279-2330  
Fax: (720) 279-2331  
email: KCaplan@bonanzacrck.com

4. Location Identification:

Name: Antelope Number: 42-19  
County: WELD  
Quarter: SENE Section: 19 Township: 5N Range: 62W Meridian: 6 Ground Elevation: 4651  
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: 1979 feet, from North or South section line: FNL and 663 feet, from East or West section line: FEL  
Latitude: 40.386740 Longitude: -104.359000 PDOP Reading: 2.3 Date of Measurement: 07/28/2010  
Instrument Operator's Name: Dan Griggs

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

Special Purpose Pits: <input type="checkbox"/>	Drilling Pits: <input type="checkbox"/> <u>1</u>	Wells: <input type="checkbox"/> <u>3</u>	Production Pits: <input type="checkbox"/>	Dehydrator Units: <input type="checkbox"/>
Condensate Tanks: <input type="checkbox"/>	Water Tanks: <input type="checkbox"/>	Separators: <input type="checkbox"/>	Electric Motors: <input type="checkbox"/>	Multi-Well Pits: <input type="checkbox"/>
Gas or Diesel Motors: <input type="checkbox"/>	Cavity Pumps: <input type="checkbox"/>	LACT Unit: <input type="checkbox"/>	Pump Jacks: <input type="checkbox"/>	Pigging Station: <input type="checkbox"/>
Electric Generators: <input type="checkbox"/>	Gas Pipeline: <input type="checkbox"/>	Oil Pipeline: <input type="checkbox"/>	Water Pipeline: <input type="checkbox"/>	Flare: <input type="checkbox"/>
Gas Compressors: <input type="checkbox"/>	VOC Combustor: <input type="checkbox"/>	Oil Tanks: <input type="checkbox"/>	Fuel Tanks: <input type="checkbox"/>	

Other: three phase flowline to Antelope 42-19 Tank Battery

6. Construction:

Date planned to commence construction: 09/30/2010 Size of disturbed area during construction in acres: 1.20  
 Estimated date that interim reclamation will begin: 01/01/2011 Size of location after interim reclamation in acres: 0.50  
 Estimated post-construction ground elevation: 4651 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: 09/30/2010  
 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 20070001

8. Reclamation Financial Assurance:

Well Surety ID: 20070004  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: 5280, public road: 5280, above ground utilit: 3430  
 , railroad: 5280, property line: 663

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: Valent sand, 0-3% slopes (69)

NRCS Map Unit Name: Valent sand, 3-9% slopes (70)

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 (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: 4775, water well: 2165, depth to ground water: 64

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:

Water well (stock well) permit #36912. Distance to nearest building, public road, and railroad are greater than one mile. Hog pens and associated building in aerial photo have be partially demolished. Reclamation reference area is on undisturbed ground immediately adjacent to location to the east as depicted in the stake location photograph facing east.

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

Signed: \_\_\_\_\_ Date: 09/30/2010 Email: KCaplan@bonanzacrk.com

Print Name: Keith Caplan Title: Sr. Operations Tech.

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

*David & Neslin*

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

Director of COGCC

Date: 10/5/2010

**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.**

Bonanza must submit reference area photos and reference area map within 12 months. The photos submitted with the 2A form are not adequate for rangeland reference area photos.

**Attachment Check List**

Att Doc Num	Name	Doc Description
400096428	FORM 2A SUBMITTED	LF@2588765 400096428
400096457	ACCESS ROAD MAP	LF@2588766 400096457
400096459	HYDROLOGY MAP	LF@2588769 400096459
400096460	LOCATION DRAWING	LF@2588770 400096460
400096462	MULTI-WELL PLAN	LF@2588771 400096462
400096463	LOCATION PICTURES	LF@2588772 400096463
400096464	LOCATION PICTURES	LF@2588773 400096464
400096465	NRCS MAP UNIT DESC	LF@2588774 400096465
400096466	NRCS MAP UNIT DESC	LF@2588775 400096466
400096477	WAIVERS	LF@2588776 400096477
400096485	WAIVERS	LF@2588777 400096485
400096487	VARIANCE REQUEST	LF@2588778 400096487

Total Attach: 12 Files

**General Comments**

User Group	Comment	Comment Date
OGLA	Ready to pass.	10/4/2010 9:13:23 AM
OGLA	Reminder placed in eReminder regarding reference area photos.	10/4/2010 9:12:14 AM
OGLA	Bonanza is requesting expedited review due to exigent circumstances. They came in & met with Larry, Dave Neslin & Greg Deranleau last month, & it was agreed that if they got SUA to move these locations, we would work with them on expediting these rather than the 24-19 location previously submitted. This change will consolidate drilling operation and reduce the disturbed area.	10/4/2010 9:03:54 AM

Total: 3 comment(s)

Error: Subreport could not be shown.