

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:  
400065713

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 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:

Expiration Date:

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: BAKERSFI State: CA Zip: 93390  
ELD

3. Contact Information

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

4. Location Identification:

Name: Antelope Number: 19C  
County: WELD  
Quarter: SWSW Section: 19 Township: 5N Range: 62W Meridian: 6 Ground Elevation: 4614

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: 1166 feet, from North or South section line: FSL and 1296 feet, from East or West section line: FWL  
Latitude: 40.380750 Longitude: -104.370180 PDOP Reading: 2.8 Date of Measurement: 05/27/2010

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

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

Other: 2-3 phase flowline from Antelope 13-19 and Antelope 14-19

6. Construction:

Date planned to commence construction: 07/15/2010 Size of disturbed area during construction in acres: 0.90  
Estimated date that interim reclamation will begin: 10/14/2010 Size of location after interim reclamation in acres: 0.50  
Estimated post-construction ground elevation: 4616 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: Mr. Robert A. Liembke Phone: \_\_\_\_\_  
Address: 70 Ranch LLC Fax: \_\_\_\_\_  
Address: 5460 S. Quebec St., Ste. 110 Email: \_\_\_\_\_  
City: Greenwood Village State: CO Zip: 80111 Date of Rule 306 surface owner consultation: 05/27/2010  
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 Mgmt. Surety ID: \_\_\_\_\_

9. Cultural:

Is the location in a high density area (Rule 603.b.): Yes  No   
Distance, in feet, to nearest building: 4100, public road: 5280, above ground utilit: 206  
, railroad: 5280, property line: 1166

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: 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: 4320, water well: 2420, 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:

Location falls within pen area of former hog farm. Land will be reclaimed by surface owner following demolition of remaining buildings and improvements. Closest ACTIVE power line is 206 ft west. There are two de-energized lines 38 and 21 ft from stake location. Buildings in SW 1/4 Sec 19 are abandoned or demolished. Distance to nearest public road and railroad is greater than 1 mile. Water well listed is east of location, permit 36912. Other wells on CDWR are abandoned monitoring wells.

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

Signed: \_\_\_\_\_ Date: 06/01/2010 Email: [srw@bonanzacr.com](mailto:srw@bonanzacr.com)

Print Name: Stephen Wolfe Title: Sr. Production Engineer

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: \_\_\_\_\_

**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.**

**Attachment Check List**

Att Doc Num	Name	Doc Description
400065713	FORM 2A SUBMITTED	400065713.pdf
400065752	NRCS MAP UNIT DESC	Valent_69.pdf
400065753	NRCS MAP UNIT DESC	Valent_70.pdf
400065786	LOCATION PICTURES	ANTELOPE 19-C PAGE 1.pdf
400065787	LOCATION PICTURES	ANTELOPE 19-C PAGE 2.pdf
400065934	HYDROLOGY MAP	19C Hydrology.pdf
400065935	ACCESS ROAD MAP	19C Access Road.pdf
400066747	LOCATION DRAWING	19C Location Drawing.pdf

Total Attach: 8 Files