

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:

400072180

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:

419793

Expiration Date:

10/12/2013

☒ 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) 729-2330

Fax: (720) 729-2331

email: kcaplan@bonanzacrk.com

4. Location Identification:

Name: Antelope Number: 24-19

County: WELD

Quarter: SESW Section: 19 Township: 5N Range: 62W Meridian: 6 Ground Elevation: 4621

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: 662 feet, from North or South section line: FSL and 1920 feet, from East or West section line: FWL

Latitude: 40.379420 Longitude: -104.368030 PDOP Reading: 2.2 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="text"/>	Drilling Pits: <input type="text" value="1"/>	Wells: <input type="text" value="2"/>	Production Pits: <input type="text"/>	Dehydrator Units: <input type="text"/>
Condensate Tanks: <input type="text"/>	Water Tanks: <input type="text" value="1"/>	Separators: <input type="text" value="2"/>	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"/>	Flare: <input type="text"/>
Gas Compressors: <input type="text"/>	VOC Combustor: <input type="text" value="1"/>	Oil Tanks: <input type="text" value="3"/>	Fuel Tanks: <input type="text"/>	

Other: Multi-well pad for Antelope 24-19 and 34-19

6. Construction:

Date planned to commence construction: 09/22/2010 Size of disturbed area during construction in acres: 1.50
Estimated date that interim reclamation will begin: 12/21/2010 Size of location after interim reclamation in acres: 0.75
Estimated post-construction ground elevation: 4621 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: 07/28/2010
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: 4400, public road: 5280, above ground utilit: 384
, railroad: 5280, property line: 662

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: _____

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: 3000, water well: 1818, depth to ground water: 41

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:

Please see attached waivers and variance request. Location is currently commercial use; former hog farm - to be reclaimed by landowner. BC will reclaim their disturbed area to similar vegetative cover of that which 70 Ranch, LLC implements. Location ele. 4622', water well water ele. 4581' (pmt 36912). Buildings are abandoned and partially demolished. Distance to nearest railroad and public road are greater than one mile.

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

Signed: _____ Date: 09/16/2010 Email: KCaplan@bonanzacrk.com

Print Name: Keith Caplan Title: Sr. Ops. 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 S. Neslin

COGCC Approved: _____ Director of COGCC Date: 10/13/2010

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.

Interim and final reclamation of the oil and gas location shall be completed to the satisfaction of the surface owner and consistent with surrounding vegetation and land use at the time.

Attachment Check List

Att Doc Num	Name	Doc Description
2533002	CORRESPONDENCE	LF@2599543 2533002
400072180	FORM 2A SUBMITTED	LF@2543186 400072180
400076728	NRCS MAP UNIT DESC	LF@2543187 400076728
400082643	ACCESS ROAD MAP	LF@2543188 400082643
400082653	HYDROLOGY MAP	LF@2543189 400082653
400082654	LOCATION DRAWING	LF@2543190 400082654
400082657	LOCATION PICTURES	LF@2543191 400082657
400082658	LOCATION PICTURES	LF@2543192 400082658
400084043	MULTI-WELL PLAN	LF@2543193 400084043
400093363	WAIVERS	LF@2543194 400093363
400093369	WAIVERS	LF@2543195 400093369
400093377	VARIANCE REQUEST	LF@2543196 400093377

Total Attach: 12 Files

General Comments

User Group	Comment	Comment Date
OGLA	Per Operator: "All of the hog pens (60) within a 1900' radius of the Antelope 24-19 are being demolished and are not suitable for human occupancy. The nearest building that will remain is a pump house 4400 ft to the north." Therefore changed distance to nearest building to 4400'.	10/13/2010 3:10:28 PM
Permit	The well locations are in an abandoned feed lot. The hog sheds will be torn down prior to drilling.	10/12/2010 6:21:24 AM
OGLA	Operator verbally rescinded request for 303.I (20-day comment period) waiver.	9/24/2010 1:16:44 PM
Permit	Due to exigent circumstances wishes to waive the the remainder of the 20 comment period.	9/21/2010 9:58:25 AM

Total: 4 comment(s)

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