

FORM
2A

Rev
04/01

State of Colorado
Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203 Phone: (303) 894-2100 Fax: (303) 894-2109



Document Number:
400378273

Date Received:

Oil and Gas Location Assessment

New Location Amend Existing Location Location#: 332135

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:
332135
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: 410 17TH STREET SUITE #1400
 City: DENVER State: CO Zip: 80202

3. Contact Information

Name: Keith Caplan
 Phone: (720) 440-6100
 Fax: (720) 279-2331
 email: KCaplan@BonanzaCrk.com

4. Location Identification:

Name: Huck Number: 41-28 PAD
 County: WELD
 Quarter: NENE Section: 28 Township: 5N Range: 63W Meridian: 6 Ground Elevation: 4546

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: 388 feet FNL, from North or South section line, and 539 feet FEL, from East or West section line.
 Latitude: 40.376640 Longitude: -104.433050 PDOP Reading: 1.7 Date of Measurement: 11/29/2012
 Instrument Operator's Name: Adam Kelly

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="8"/>	Production Pits: <input type="text"/>	Dehydrator Units: <input type="text"/>
Condensate Tanks: <input type="text" value="30"/>	Water Tanks: <input type="text" value="8"/>	Separators: <input type="text" value="8"/>	Electric Motors: <input type="text" value="7"/>	Multi-Well Pits: <input type="text"/>
Gas or Diesel Motors: <input type="text" value="7"/>	Cavity Pumps: <input type="text"/>	LACT Unit: <input type="text"/>	Pump Jacks: <input type="text" value="7"/>	Pigging Station: <input type="text" value="1"/>
Electric Generators: <input type="text" value="4"/>	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" value="6"/>	VOC Combustor: <input type="text" value="8"/>	Oil Tanks: <input type="text"/>	Fuel Tanks: <input type="text"/>	

Other: 8 60-bbl cement water vaults

6. Construction:

Date planned to commence construction: 07/08/2013 Size of disturbed area during construction in acres: 5.80
Estimated date that interim reclamation will begin: 04/30/2015 Size of location after interim reclamation in acres: 3.00
Estimated post-construction ground elevation: 4549 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: Amerigo D. Dilauro Phone: _____
Address: 3312 Eagle Harbor Road Fax: _____
Address: _____ Email: _____
City: Albion State: NY Zip: 14411 Date of Rule 306 surface owner consultation: 11/16/2012
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: 20120018 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: 1357, public road: 5280, above ground utilit: 900
, railroad: 5280, property line: 388

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: Bankard sandy loam, 0-3% slopes (10)

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: 587, water well: 1130, depth to ground water: 6
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:

Closest water well not a Monitoring Well is permit# 274135. SUA attached to APD.

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

Signed: _____ Date: _____ Email: KCaplan@BonanzaCrk.com
Print Name: Keith S. Caplan Title: Sr. Regulatory Specialist

Surface Owner Information

Owner Name	Address	Phone	Fax	Email
Amerigo D. Dilauro	3312 Eagle Harbor Road Albion, NY 14411			
H Joseph Huck, Jr.	3341 E. Pheasant Grove Dr. Idaho Falls, ID 83401			
John AV and Kim A Levings	3148 Fleming Place Forest Grove, OR 97116			
3 Surface Owner(s)				

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
400378559	NRCS MAP UNIT DESC
400378560	NRCS MAP UNIT DESC
400378561	NRCS MAP UNIT DESC
400378591	CONST. LAYOUT DRAWINGS
400378592	MULTI-WELL PLAN
400378593	HYDROLOGY MAP
400378594	LOCATION DRAWING
400378595	LOCATION PICTURES
400378597	REFERENCE AREA PICTURES
400378598	REFERENCE AREA MAP
400378599	WASTE MANAGEMENT PLAN
400378871	ACCESS ROAD MAP

Total Attach: 12 Files

General Comments

User Group	Comment	Comment Date

Total: 0 comment(s)

BMP

<u>Type</u>	<u>Comment</u>
Construction	<p data-bbox="472 180 1471 237">Bonanza Creek Energy Best Management Practices for Installation of Cement Water Vaults at locations Associated with Shallow Groundwater</p> <p data-bbox="472 268 1479 359">The following procedure describes construction practices for setting a partially buried pre-cast cement water vault on locations characterized as containing shallow depth to groundwater.</p> <ol data-bbox="472 390 1503 594" style="list-style-type: none"><li data-bbox="472 390 1398 420">1) The excavation will first be lined with 4" of clay or other low permeability soil.<li data-bbox="472 420 1503 476">2) A 30 mil liner will be installed on top of the low permeability soil. The 30 mil liner will be a contiguous liner which will underlay the entire tank battery.<li data-bbox="472 476 1487 533">3) The tank battery / water vault liner will be keyed into a galvanized steel containment ring installed surrounding the tank battery.<li data-bbox="472 533 1503 594">4) Sand bedding will be installed to protect the synthetic liner prior to placing equipment in the containment area.

Total: 1 comment(s)