

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



Table with 4 columns: DE, ET, OE, ES

Document Number: 400140474

Oil and Gas Location Assessment

New Location Amend Existing Location Location#: 420920

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.

Location ID: 420920 Expiration Date: 04/05/2014

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: 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: 13-17 County: WELD Quarter: NWSW Section: 17 Township: 5N Range: 62W Meridian: 6 Ground Elevation: 4672 Define a single point as a location reference for the facility location. Footage at surface: 2046 feet FSL, from North or South section line, and 761 feet FEL, from East or West section line. Latitude: 40.397870 Longitude: -104.353790 PDOP Reading: 2.2 Date of Measurement: 07/21/2010 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: 0 Drilling Pits: 0 Wells: 2 Production Pits: 0 Dehydrator Units: 0 Condensate Tanks: 4 Water Tanks: 0 Separators: 1 Electric Motors: 0 Multi-Well Pits: 0 Gas or Diesel Motors: 0 Cavity Pumps: 0 LACT Unit: 0 Pump Jacks: 0 Pigging Station: 0 Electric Generators: 0 Gas Pipeline: 1 Oil Pipeline: 0 Water Pipeline: 0 Flare: 0 Gas Compressors: 0 VOC Combustor: 1 Oil Tanks: 0 Fuel Tanks: 0

Other: Adding 1 well, 4 Condensate Tanks and 2 buried cement water vaults (60 bbl each), removing Drilling Pit and 2 Oil Tanks. Location has been constructed without a pit.

6. Construction:

Date planned to commence construction: 04/01/2011 Size of disturbed area during construction in acres: 0.90
Estimated date that interim reclamation will begin: 09/30/2011 Size of location after interim reclamation in acres: 0.75
Estimated post-construction ground elevation: 4672 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 [X] 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: [X] Fee [] State [] Federal [] Indian
Mineral Owner: [X] 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 [X] 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 [X]
Distance, in feet, to nearest building: 3700 , public road: 5280 , above ground utilit: 3075
, railroad: 5280 , property line: 761

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.

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, 3-9% slopes (70)

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: 5190, water well: 2825, depth to ground water: 113

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:

Purpose of this Amended 2A is to add one well and revise facilities list. Location has been constructed. There are no pits on location. Anticipated spud date is in place of anticipated construction start date. Distance to nearest public road and railroad are greater than one mile. No visible improvements within 400 ft of location. Reclamation Reference Area is on undisturbed land immediately adjacent to location to the east. Since the pad has been constructed we will send in an updated photograph facing east from the edge of the constructed pad.

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

Signed: _____ Date: 03/09/2011 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.

COGCC Approved:

David S. Neslin

Director of COGCC

Date: 4/6/2011

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.

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Attachment Check List

Att Doc Num	Name
400140474	FORM 2A SUBMITTED
400140854	MULTI-WELL PLAN
400140855	HYDROLOGY MAP
400140856	LOCATION DRAWING
400140857	NRCS MAP UNIT DESC
400140858	ACCESS ROAD MAP
400140860	LOCATION PICTURES
400140871	LOCATION PICTURES
400140880	LOCATION PICTURES

Total Attach: 9 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	The pad is being amended because the 12-17 is moving from the NENW to the NWSW.	3/22/2011 2:34:46 PM

Total: 1 comment(s)

BMP

<u>Type</u>	<u>Comment</u>

Total: 0 comment(s)