



## RELATED REMOTE LOCATIONS

(Enter as many Related Locations as necessary. Enter the Form 2A document # only if there is no established COGCC Location ID#)

This proposed Oil and Gas Location is:

LOCATION ID # FORM 2A DOC #



## FACILITIES

Indicate the number of each type of oil and gas facility planned on location

Wells	<u>7</u>	Oil Tanks	<u>28</u>	Condensate Tanks	<u>4</u>	Water Tanks	<u>7</u>	Buried Produced Water Vaults	<u>7</u>
Drilling Pits	<u>      </u>	Production Pits	<u>      </u>	Special Purpose Pits	<u>      </u>	Multi-Well Pits	<u>      </u>	Temporary Large Volume Above Ground Tanks	<u>2</u>
Pump Jacks	<u>7</u>	Separators	<u>7</u>	Injection Pumps	<u>      </u>	Cavity Pumps	<u>      </u>		
Gas or Diesel Motors	<u>7</u>	Electric Motors	<u>14</u>	Electric Generators	<u>4</u>	Fuel Tanks	<u>      </u>	Gas Compressors	<u>10</u>
Dehydrator Units	<u>1</u>	Vapor Recovery Unit	<u>6</u>	VOC Combustor	<u>8</u>	Flare	<u>1</u>	LACT Unit	<u>2</u>
								Pigging Station	<u>1</u>

## OTHER FACILITIES

Other Facility Type

Number

Vapor Recovery Towers

4

Per Rule 303.b.(3)C, description of all oil, gas, and/or water pipelines:

Seven (7) 3-phase flowlines: 3" coated steel  
One (1) gas sales line connection: 6" coated steel  
Two (2) oil gather lines: 4" coated steel  
Two (2) produced water gathering lines: 4" coated steel  
Vent/VRU Lines; 4@6", 4@10", 4@12": steel

Temporary Large Volume Above Ground Storage Tanks are steel sided with new liner.  
Both MLVTs will be 42,000 bbl (157' diameter).  
The manufacturer/vendor will be Rockwater and/or HydroLogistics, depending on availability.  
P.E. approved designs and ground preparation S.O.P.'s are maintained in Bonanza's files.  
The MLVTs will be on location approximately 10/15/14 - 12/31/14

## CONSTRUCTION

Date planned to commence construction: 10/01/2014 Size of disturbed area during construction in acres: 8.21

Estimated date that interim reclamation will begin: 03/16/2015 Size of location after interim reclamation in acres: 3.00

Estimated post-construction ground elevation: 4569

## DRILLING PROGRAM

Will a closed loop system be used for drilling fluids: Yes

Is H<sub>2</sub>S anticipated? No

Will salt sections be encountered during drilling: No

Will salt based mud (>15,000 ppm Cl) be used? No

Will oil based drilling fluids be used? No

## DRILLING WASTE MANAGEMENT PROGRAM

Drilling Fluids Disposal: OFFSITE Drilling Fluids Disposal Method: Recycle/reuse

Cutting Disposal: OFFSITE Cuttings Disposal Method: Beneficial reuse

Other Disposal Description:

Beneficial reuse or land application plan submitted?           

Reuse Facility ID: 427606 or Document Number:                           

Centralized E&P Waste Management Facility ID, if applicable:                           

## SURFACE & MINERALS & RIGHT TO CONSTRUCT

Name: 70 Ranch LLC

Phone: 303.775.1005

Address: 8301 E. Prentice Ave.

Fax:                           

Address: Ste. 100

Email:                           

City: Greenwood State: CO Zip: 80111  
Village

Surface Owner:  Fee  State  Federal  Indian

Check all that apply. The Surface Owner:  is the mineral owner

is committed to an oil and Gas Lease

has signed the Oil and Gas Lease

is the applicant

The Mineral Owner beneath this Oil and Gas Location is:  Fee  State  Federal  Indian

The Minerals beneath this Oil and Gas Location will be developed from or produced to this Oil and Gas Location: Yes

The right to construct this Oil and Gas Location is granted by: oil and gas lease

Surface damage assurance if no agreement is in place:                            Surface Surety ID:                           

Date of Rule 306 surface owner consultation 09/03/2014

## CURRENT AND FUTURE LAND USE

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

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

## CULTURAL DISTANCE INFORMATION

Distance to nearest:

Building: 510 Feet  
Building Unit: 510 Feet  
High Occupancy Building Unit: 5280 Feet  
Designated Outside Activity Area: 5280 Feet  
Public Road: 275 Feet  
Above Ground Utility: 275 Feet  
Railroad: 5280 Feet  
Property Line: 275 Feet

### INSTRUCTIONS:

- All measurements shall be provided from center of nearest Well or edge of nearest Production Facility to nearest of each cultural feature as described in Rule 303.b.(3)A.  
- Enter 5280 for distance greater than 1 mile.  
- Building - nearest building of any type. If nearest Building is a Building Unit, enter same distance for both.  
- Building Unit, High Occupancy Building Unit, and Designated Outside Activity Area - as defined in 100-Series Rules.

## DESIGNATED SETBACK LOCATION INFORMATION

Check all that apply. This location is within a:  Buffer Zone  
 Exception Zone  
 Urban Mitigation Area

- Buffer Zone - as described in Rule 604.a.(2), within 1,000' of a Building Unit.  
- Exception Zone - as described in Rule 604.a.(1), within 500' of a Building Unit.  
- Urban Mitigation Area - as defined in 100-Series Rules.

Pre-application Notifications (required if location is within 1,000 feet of a building unit):

Date of Rule 305.a.(1) Urban Mitigation Area Notification to Local Government: \_\_\_\_\_  
Date of Rule 305.a.(2) Buffer Zone Notification to Building Unit Owners: 01/29/2014

## SOIL

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.org/> 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: 21, Dacono clay loam, 0 to 1 percent slopes  
NRCS Map Unit Name: 19, Colombo clay loam, 0 to 1 percent slopes  
NRCS Map Unit Name: \_\_\_\_\_

## 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): Crop

## WATER RESOURCES

Is this a sensitive area:  No  Yes

Distance to nearest

downgradient surface water feature: 272 Feet

water well: 347 Feet

Estimated depth to ground water at Oil and Gas Location 28 Feet

Basis for depth to groundwater and sensitive area determination:

Closest water well with permit# 13949-R used for groundwater elevation.

Is the location in a riparian area:  No  Yes

Was an Army Corps of Engineers Section 404 permit filed  No  Yes If yes attach permit.

Is the location within a Rule 317B Surface Water Supply Area buffer No 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: \_\_\_\_\_

## GROUNDWATER BASELINE SAMPLING AND MONITORING AND WATER WELL SAMPLING

Water well sampling required per Rule 318A

## DESIGNATED SETBACK LOCATION EXCEPTIONS

Check all that apply:

- Rule 604.a.(1)A. Exception Zone (within 500' of Building Unit)
- Rule 604.b.(1)A. Exception Location (existing or approved Oil & Gas Location now within a Designated Setback as a result of Rule 604.a.)
- Rule 604.b.(1)B. Exception Location (existing or approved Oil & Gas Location is within a Designated Setback due to Building Unit construction after Location approval)
- Rule 604.b.(2) Exception Location (SUA or site-specific development plan executed on or before August 1, 2013)
- Rule 604.b.(3) Exception Location (Building Units constructed after August 1, 2013 within setback per an SUA or site-specific development plan)

## RULE 502.b VARIANCE REQUEST

- Rule 502.b. Variance Request from COGCC Rule or Spacing Order Number \_\_\_\_\_

ALL exceptions and variances require attached Request Letter(s). Refer to applicable rule for additional required attachments (e.g. waivers, certifications, SUAs).

## OPERATOR COMMENTS AND SUBMITTAL

Comments

Expanding location to fit 2 - 42,000 bbl MLVTs. The original 2A listed 1 - 20,000bbl MLVT and 1 - 42,000 bbl MLVT. The size of location after interim reclamation remains the same.  
Cultural Item distances measured from closest edge of proposed MLVT closest to the reported feature.  
Plans were changed due to timing of availability of water to be piped to the MLVTs. A portion of the easement required for our temporary piping will expire, cutting off our water supply. In order to avoid trucking the water required to stimulate these wells, the location is being expanded (in conjunction with permitting the North Platte 43-29 MLVT Pad) to accommodate storage of water needed to stimulate the wells drilled this year.  
Bonanza does not imply any changes to BMPs already committed to pertaining to this location.

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 Caplan Title: Sr. Regulatory Specialist

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**

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.

### **Best Management Practices**

**No BMP/COA Type**                      **Description**

<b><u>No BMP/COA Type</u></b>	<b><u>Description</u></b>

### **Attachment Check List**

<b><u>Att Doc Num</u></b>	<b><u>Name</u></b>
400681241	ACCESS ROAD MAP
400681243	CONST. LAYOUT DRAWINGS
400681244	HYDROLOGY MAP
400681245	LOCATION DRAWING
400681247	LOCATION PICTURES
400681250	MULTI-WELL PLAN
400681287	RULE 306.E. CERTIFICATION
400681289	RULE 306.E. CERTIFICATION

Total Attach: 8 Files

### **General Comments**

<b><u>User Group</u></b>	<b><u>Comment</u></b>	<b><u>Comment Date</u></b>

Total: 0 comment(s)