

FORM  
2

Rev  
12/05

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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APPLICATION FOR PERMIT TO:

1.  Drill,  Deepen,  Re-enter,  Recomplete and Operate

2. TYPE OF WELL

OIL  GAS  COALBED  OTHER \_\_\_\_\_  
SINGLE ZONE  MULTIPLE ZONE  COMMINGLE ZONE

Refiling   
Sidetrack

Document Number:  
400096750  
Plugging Bond Surety  
20070004

3. Name of Operator: BONANZA CREEK ENERGY OPERATING COMPANY LLC 4. COGCC Operator Number: 8960

5. Address: P O BOX 21974  
City: BAKERSFIELD State: CA Zip: 93390

6. Contact Name: Keith Caplan ext 203 Phone: (720)279-2330 Fax: (720)279-2331  
Email: KCaplan@bonanzacr.com

7. Well Name: Antelope Well Number: G-31

8. Unit Name (if appl): \_\_\_\_\_ Unit Number: \_\_\_\_\_

9. Proposed Total Measured Depth: 6850

WELL LOCATION INFORMATION

10. QtrQtr: SENW Sec: 31 Twp: 5N Rng: 62W Meridian: 6  
Latitude: 40.359690 Longitude: -104.370580

Footage at Surface: 1320 feet FNL/FSL 1320 feet FEL/FWL

11. Field Name: Wattenberg Field Number: 90750

12. Ground Elevation: 4590 13. County: WELD

14. GPS Data:

Date of Measurement: 09/16/2010 PDOP Reading: 2.3 Instrument Operator's Name: Dan Griggs

15. If well is  Directional  Horizontal (highly deviated) **submit deviated drilling plan.**

Footage at Top of Prod Zone: FNL/FSL \_\_\_\_\_ FEL/FWL \_\_\_\_\_ Bottom Hole: FNL/FSL \_\_\_\_\_ FEL/FWL \_\_\_\_\_  
Sec: \_\_\_\_\_ Twp: \_\_\_\_\_ Rng: \_\_\_\_\_ Sec: \_\_\_\_\_ Twp: \_\_\_\_\_ Rng: \_\_\_\_\_

16. Is location in a high density area? (Rule 603b)?  Yes  No

17. Distance to the nearest building, public road, above ground utility or railroad: 5280 ft

18. Distance to nearest property line: 1320 ft 19. Distance to nearest well permitted/completed in the same formation: 5280 ft

20. LEASE, SPACING AND POOLING INFORMATION

Objective Formation(s)	Formation Code	Spacing Order Number(s)	Unit Acreage Assigned to Well	Unit Configuration (N/2, SE/4, etc.)
Niobrara-Codell	NB-CD		160	NW/4

21. Mineral Ownership:  Fee  State  Federal  Indian Lease #: \_\_\_\_\_

22. Surface Ownership:  Fee  State  Federal  Indian

23. Is the Surface Owner also the Mineral Owner?  Yes  No Surface Surety ID#: 20070001

23a. If 23 is Yes: Is the Surface Owner(s) signature on the lease?  Yes  No

23b. If 23 is No  Surface Owners Agreement Attached or  \$25,000 Blanket Surface Bon  \$2,000 Surface Bond  \$5,000 Surface Bond

24. Using standard QtrQtr, Sec, Twp, Rng format enter entire mineral lease description upon which this proposed wellsite is located (attach separate sheet/map if you prefer):  
 T4N, R62W: Sec. 3: Lot 2, S/2 NW/4; Sec. 5: Lots 1 & 2, S/2 N/2, S/2; Sec. 17: N/2 N/2, S/2 NE/4; Sec. 18: N/2 of Lot 1, NE/4 NW/4, N/2 NE/4, (N/2 N/2); T4N, R63W: Sec. 1: Lots 1 & 2, S/2 N/2, S/2; Sec. 2: Lots 1 & 2, S/2 N/2, NE/4 SW/4, SE/4; Sec. 12: All; T5N, R62W: Sec. 3: Lot 2, SW/4 NE/4, W/2 SE/4; Sec. 15: W/2 E/2, W/2; Sec. 17: All; Sec. 18: SE/4; Sec. 19: Lots 3 & 4, E/2 SW/4, E/2; Sec. 20: W/2; Sec. 21: All; Sec. 29: All; Sec. 31: Lots 1, 2, 3, 4, E/2 W/2, E/2 (All); Sec. 33: N/2; T5N, R63W: Sec. 34: SE/4 NE/4, SE/4; Sec. 35: S/2; Sec. 36: SW/4 SW/4.

25. Distance to Nearest Mineral Lease Line: 1320 ft 26. Total Acres in Lease: 8115

**DRILLING PLANS AND PROCEDURES**

27. Is H2S anticipated?  Yes  No If Yes, attach contingency plan.

28. Will salt sections be encountered during drilling?  Yes  No

29. Will salt (>15,000 ppm TDS CL) or oil based muds be used during drilling?  Yes  No

30. If questions 27 or 28 are yes, is this location in a sensitive area (Rule 903)?  Yes  No **If 28, 29, or 30 are "Yes" a pit permit may be required.**

31. Mud disposal:  Offsite  Onsite  
 Method:  Land Farming  Land Spreading  Disposal Facility Other: \_\_\_\_\_

Note: The use of an earthen pit for Recompletion fluids requires a pit permit (Rule 905b). If air/gas drilling, notify local fire officials.

Casing Type	Size of Hole	Size of Casing	Wt/Ft	Csg/Liner Top	Setting Depth	Sacks Cmt	Cmt Btm	Cmt Top
SURF	12+1/4	8+5/8	24		400	260	400	0
1ST	7+7/8	4+1/2	11.6		6,850	247	6,850	5,800

32. BOP Equipment Type:  Annular Preventer  Double Ram  Rotating Head  None

33. Comments Conductor casing will not be used on this well.

34. Location ID: \_\_\_\_\_

35. Is this application in a Comprehensive Drilling Plan ?  Yes  No

36. Is this application part of submitted Oil and Gas Location Assessment ?  Yes  No

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

Signed: \_\_\_\_\_ Print Name: Keith Caplan

Title: Sr. Operations Technician Date: 12/22/2010 Email: KCaplan@bonanzacrk.com

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: 1/20/2011

<b>API NUMBER</b>
05 123 32853 00

Permit Number: \_\_\_\_\_ Expiration Date: 1/19/2013

**CONDITIONS OF APPROVAL, IF ANY:** \_\_\_\_\_

All representations, stipulations and conditions of approval stated in the Form 2A for this location shall constitute representations, stipulations and conditions of approval for this Form 2 Permit-to-Drill and are enforceable to the same extent as all other representations, stipulations and conditions of approval stated in this Permit-to-Drill.

- 1) Provide 24 hr notice of spud to Bo Brown at 970-330-6085 or email at bo.brown@state.co.us.
- 2) Set surface casing per Rule 317d, cement to surface. Setting surface casing less than the approved depth is a permit violation unless prior written approval is obtained from the COGCC.
- 3) If completed, provide cement coverage from TD to a minimum of 200' above Niobrara. Verify coverage with cement bond log.
- 4) If dry hole, 40 sks cement 50' above Niobrara top, 50 sks cement ½ out, ½ in surface casing, 10 sks cement top of surface casing, cut 4' below GL, weld on plate, 5 sks cement in rat hole & 5 sks cement in mouse hole. Restore surface location.

### Attachment Check List

Att Doc Num	Name
2565805	SURFACE CASING CHECK
400096750	FORM 2 SUBMITTED
400110795	WELL LOCATION PLAT

Total Attach: 3 Files

### General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Changed to bonding on only to protect surface owners that do not have mineral interest. SUA in the works.	12/28/2010 8:46:27 AM
Permit	Should surface owner is the mineral owner be checked when they are bonding on.	12/27/2010 11:05:24 AM

Total: 2 comment(s)

### BMP

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

Total: 0 comment(s)