

FORM  
2Rev  
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 ☐ COMMINGLE ☐Refiling ☐Sidetrack ☐

Document Number:

400228040

PluggingBond SuretyID

20070004

3. Name of Operator: BONANZA CREEK ENERGY OPERATING COMPANY LLC4. COGCC Operator Number: 89605. Address: P O BOX 21974City: BAKERSFIELD State: CA Zip: 933906. Contact Name: Keith Caplan Phone: (720)440-6100 Fax: (720)279-2331Email: KCaplan@bonanzacrk.com7. Well Name: Antelope Well Number: A-20

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

9. Proposed Total Measured Depth: 6800

## WELL LOCATION INFORMATION

10. QtrQtr: NWNW Sec: 20 Twp: 5N Rng: 62W Meridian: 6Latitude: 40.390910Longitude: -104.354020Footage at Surface: 487 feet FNL/FSL 711 feet FEL/FWL  
FNL FWL11. Field Name: Wattenberg Field Number: 9075012. Ground Elevation: 4652 13. County: WELD

## 14. GPS Data:

Date of Measurement: 11/08/2011 PDOP Reading: 3.4 Instrument Operator's Name: Dan Griggs15. If well is ☒ Directional ☐ Horizontal (highly deviated) **submit deviated drilling plan.**Footage at Top of Prod Zone: FNL/FSL 50 FNL 50 FWL 50 FNL 50 FWL  
Bottom Hole: FNL/FSL 50 FNL 50 FWL 50 FNL 50 FWL  
Sec: 20 Twp: 5N Rng: 62W Sec: 20 Twp: 5N Rng: 62W16. Is location in a high density area? (Rule 603b)? ☐ Yes ☒ No17. Distance to the nearest building, public road, above ground utility or railroad: 725 ft18. Distance to nearest property line: 487 ft 19. Distance to nearest well permitted/completed in the same formation(BHL): 820 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	GWA

21. Mineral Ownership: ☒ Fee ☐ State ☐ Federal ☐ Indian Lease #: \_\_\_\_\_22. Surface Ownership: ☒ Fee ☐ State ☐ Federal ☐ Indian23. Is the Surface Owner also the Mineral Owner? ☐ Yes ☒ No Surface Surety ID#: 2007000123a. If 23 is Yes: Is the Surface Owner(s) signature on the lease? ☐ Yes ☐ No23b. If 23 is No: ☐ Surface Owners Agreement Attached or ☒ \$25,000 Blanket Surface Bond ☐ \$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: NW/4; SEC. 5: ALL; SEC. 7: SW/4 NW/4, W/2 SW/4; SEC. 17: NE/4, N/2 NW/4; SEC. 18: N/2 N/2. T4N-R63W: SEC. 1: LOT 1 AND 2, S/2 N/2, S/2; SEC. 2: NE/4, NE/4 SE/4, N/2 NW/4; SEC. 12: NE/4, E/2 NW/4, E/2 SE/4. 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: LOT 1-4, E/2 W/2, SE/4; SEC. 19: ALL (EXCEPT NW/4 NW/4); SEC. 20: W/2; SEC. 21: ALL; SEC. 29: ALL; SEC. 31: ALL; SEC. 33: N/2. T5N-R63W: SEC. 24: W/2; 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: 50 ft

26. Total Acres in Lease: 8437

### 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 28 or 29 are yes, is this location in a sensitive area (Rule 901.e)? ☐ Yes ☐ No

31. Mud disposal: ☒ Offsite ☐ Onsite

If 28, 29, or 30 are "Yes" a pit permit may be required.

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	13+1/2	8+5/8	24	0	410	241	410	0
1ST	7+7/8	4+1/2	11.6	0	6,748	163	6,800	5,898

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

33. Comments Conductor casing will not be used on this well. Wellbore Spacing Unit: T5N62W: Sec 17 SW4SW4; Sec 18 SE4SE4; Sec 19 NE4NE4; Sec 20 NW4NW4.

34. Location ID: 424418

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 Tech

Date: 12/3/2011

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. Nesline

Director of COGCC

Date: 1/6/2012

#### API NUMBER

05 123 34911 00

Permit Number: \_\_\_\_\_ Expiration Date: 1/5/2014

#### 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.

Operator must meet water well sampling requirements per rule 318 A.

- 1) Provide 24 hour notice of MIRU to John Montoya at 970-397-4124 or e-mail John.Montoya@state.co.us.
- 2) Provide cement coverage from TD to a minimum of 200' above Niobrara. Verify coverage with cement bond log.
- 3) Run and submit Directional Survey from TD to base of surface casing. Ensure that the wellbore complies with setback requirements in commission orders or rules prior to producing the well.

### **Attachment Check List**

Att Doc Num	Name
1694580	PROPOSED SPACING UNIT
1694581	PROPOSED SPACING UNIT
400228040	FORM 2 SUBMITTED
400228930	PLAT
400228931	DEVIATED DRILLING PLAN

Total Attach: 5 Files

### **General Comments**

<b><u>User Group</u></b>	<b><u>Comment</u></b>	<b><u>Comment Date</u></b>
Permit	No LGD or public comment received; final review completed.	1/6/2012 9:27:04 AM
Permit	Received and attached Proposed wellbore spacing unit and 30 day cert letter.	12/20/2011 10:13:08 AM
Permit	On hold- Need proposed wellbore spacing unit attachments.	12/6/2011 5:01:55 AM

Total: 3 comment(s)

### **BMP**

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

Total: 0 comment(s)