

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

STATE OF
COLORADO
OIL & GAS

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Document Number:
400163607
Plugging Bond Surety
20070004

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 ☐

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 Phone: (720)440-6112 Fax: (720)279-2331
Email: KCaplan@bonanzacr.com

7. Well Name: Antelope Well Number: 23-20

8. Unit Name (if appl): _____ Unit Number: _____

9. Proposed Total Measured Depth: 6950

WELL LOCATION INFORMATION

10. QtrQtr: SESW Sec: 20 Twp: 5N Rng: 62W Meridian: 6
Latitude: 40.379670 Longitude: -104.349530
Footage at Surface: 660 feet FNL/FSL FSL 1995 feet FEL/FWL FWL

11. Field Name: Wattenberg Field Number: 90750

12. Ground Elevation: 4663 13. County: WELD

14. GPS Data:
Date of Measurement: 05/06/2011 PDOP Reading: 2.7 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 1980 FSL 1980 FEL/FWL 1980 FSL 1980 FEL/FWL FWL
Bottom Hole: FNL/FSL 1980 FSL 1980 FEL/FWL 1980 FSL 1980 FEL/FWL FWL
Sec: 20 Twp: 5N Rng: 62W Sec: 20 Twp: 5N Rng: 62W

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: 258 ft

18. Distance to nearest property line: 660 ft 19. Distance to nearest well permitted/completed in the same formation: 1340 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		40	NESW

IMPORTANT: SOME DATA FIELDS HAVE BEEN MODIFIED.

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 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: 600 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

Method: ☐ Land Farming ☒ Land Spreading ☐ Disposal Facility Other: _____

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

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	0	420	273	420	0
1ST	7+7/8	4+1/2	11.6	0	6,950	200	6,950	0

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 Tech Date: 5/23/2011 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: 6/24/2011

API NUMBER

05 123 33706 00

Permit Number: _____ Expiration Date: 6/23/2013

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 hour notice of MIRU to Bo Brown at 970-397-4124 or e-mail at bo.brown@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
2567577	SURFACE CASING CHECK
400163607	FORM 2 SUBMITTED
400168098	PLAT
400168102	DEVIATED DRILLING PLAN

Total Attach: 4 Files

General Comments

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

Total: 0 comment(s)

BMP

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

Total: 0 comment(s)