

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



DE ET OE ES

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:

400228830

PluggingBond SuretyID

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 Phone: (720)440-6100 Fax: (720)279-2331

Email: KCaplan@bonanzacrk.com

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

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

9. Proposed Total Measured Depth: 6830

WELL LOCATION INFORMATION

10. QtrQtr: NWNW Sec: 20 Twp: 5N Rng: 62W Meridian: 6

Latitude: 40.390870 Longitude: -104.354020

Footage at Surface: 502 feet FNL/FSL 712 feet FEL/FWL FWL

11. Field Name: Wattenberg Field Number: 90750

12. Ground Elevation: 4652 13. County: WELD

14. GPS Data:

Date of Measurement: 11/08/2011 PDOP Reading: 3.6 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 1250 FNL 50 FWL FWL Bottom Hole: FNL/FSL 1250 FNL 50 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: 725 ft

18. Distance to nearest property line: 502 ft 19. Distance to nearest well permitted/completed in the same formation(BHL): 825 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 ☐ 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: 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	6,797	160	6,830	0

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 19 E/2NE4; Sec 20 W/2NW4.

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. Neslin

Director of COGCC

Date: 1/6/2012

API NUMBER

05 123 34912 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 318A.

- 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
2531654	PROPOSED SPACING UNIT
400228830	FORM 2 SUBMITTED
400228928	PLAT
400228929	DEVIATED DRILLING PLAN

Total Attach: 4 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	No LGD or public comment received; final review completed.	1/6/2012 9:48:46 AM
Permit	Updated permit with new spacing attachments	12/28/2011 7:03:03 AM
Permit	On hold- waiting for proposed wellbore spacing unit attachments.	12/6/2011 5:07:00 AM

Total: 3 comment(s)

BMP

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

Total: 0 comment(s)