

FORM

2

Rev
12/05

State of Colorado

Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203 Phone: (303) 894-2100 Fax: (303) 894-2109



Document Number:

400371424

Date Received:

01/28/2013

PluggingBond SuretyID

20120018

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 ☐3. Name of Operator: BONANZA CREEK ENERGY OPERATING COMPANY LLC4. COGCC Operator Number: 89605. Address: 410 17TH STREET SUITE #1400City: DENVER State: CO Zip: 802026. Contact Name: Randy Edelen Phone: (720)440-6100 Fax: (720)2331Email: REdelen@bonanzacrk.com7. Well Name: State Antelope Well Number: T-28-21XRLNB

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

9. Proposed Total Measured Depth: 16153

WELL LOCATION INFORMATION

10. QtrQtr: SESE Sec: 28 Twp: 5N Rng: 62W Meridian: 6Latitude: 40.364390 Longitude: -104.323900

Footage at Surface: 350 feet FNL/FSL 1212 feet FEL/FWL FEL

11. Field Name: Wattenberg Field Number: 9075012. Ground Elevation: 4627 13. County: WELD

14. GPS Data:

Date of Measurement: 12/04/2012 PDOP Reading: 1.3 Instrument Operator's Name: Wyatt Hall15. If well is ☐ Directional ☒ Horizontal (highly deviated) **submit deviated drilling plan.**

Footage at Top of Prod Zone: FNL/FSL 631 FSL 1295 FEL 470 FNL 1295 FEL 470
 Bottom Hole: FNL/FSL 470 FNL 1295 FEL 470
 Sec: 28 Twp: 5N Rng: 62W Sec: 21 Twp: 5N Rng: 62W

16. Is location in a high density area? (Rule 603b)? ☐ Yes ☒ No17. Distance to the nearest building, public road, above ground utility or railroad: 1 mi18. Distance to nearest property line: 350 ft 19. Distance to nearest well permitted/completed in the same formation(BHL): 650 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	NBRR		640	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#: _____23a. 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):

5N-62W-21 All and 28 All and lands in other sections

25. Distance to Nearest Mineral Lease Line: 0 26. Total Acres in Lease: 9687

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	9+5/8	36.00	0	410	200	410	0
1ST	8+3/4	7	26.00	0	6,653	500	6,653	2,500
1ST LINER	6+1/8	4+1/2	11.60	6553	16,153			

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

33. Comments Conductor casing will not be used. Operator requests an exception location per rule 318Aa and rule 318Ac: well will not be drilled in a legal drilling window or twinned with an existing well. Waivers attached. Per rule 318Ae, the Operator requests the proposed spacing unit consisting of 640 acres, E/2 Sec 21 T5N R62W and E/2 Sec 28 T5N R62W. Proposed spacing unit map and 30-day certificate is attached. Fee acreage in section 21 The indicated target on the well location plat is not the Top of Production. "Horizontal well crosses lease lines within GWA horizontal wellbore unit; distance to lease line is 0"

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: Randy Edelen

Title: Regulatory Specialist Date: 1/28/2013 Email: REdelen@bonanzacrk.com

Operator must have a valid water right or permit allowing for industrial use or purchased water from a seller that has a valid water right or permit allowing for industrial use, otherwise an application for a change in type of use is required under Colorado law. Operator must also use the water in the location set forth in the water right decree or well permit, otherwise an application for a change in place of use is required under Colorado law. Section 37-92-103(5), C.R.S. (2011).

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: Matthew Lee Director of COGCC Date: 2/22/2013

API NUMBER

05 123 36879 00

Permit Number: _____ Expiration Date: 2/21/2015

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 48 hour notice prior to spud via electronic Form 42.
- 2) Provide cement coverage 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.

Applicable Policies and Notices to Operators

Notice Concerning Operating Requirements for Wildlife Protection.

Policy for Bradenhead Monitoring During Hydraulic Fracturing Treatments in the Greater Wattenberg Area.

Attachment Check List

Att Doc Num	Name
400371424	FORM 2 SUBMITTED
400375373	WELL LOCATION PLAT
400375374	DEVIATED DRILLING PLAN
400375375	DIRECTIONAL DATA
400375376	EXCEPTION LOC WAIVERS
400375377	EXCEPTION LOC REQUEST
400375380	PROPOSED SPACING UNIT
400375381	PROPOSED SPACING UNIT

Total Attach: 8 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Horizontal well crosses lease lines within GWA horizontal wellbore unit; distance to lease line is 0' distance to the nearest unit boundary is 470'. Lease line distance changed to 0' as per operator.	2/22/2013 1:03:41 PM
Final Review	ON HOLD for clarification of lease information	2/22/2013 10:58:57 AM
Permit	Final review completed.	2/21/2013 8:17:09 AM
Engineer	No existing wells within 500' of proposed directional w/o zonal isolation.	2/7/2013 9:06:14 AM
Permit	Requested clarifying statement as to the fact that the 470' is a target not the TOP, also, a Well Location Plat that more accurately shows the proposed wellbore.	2/5/2013 11:57:41 AM
Permit	State Land Board response: "wellsites have been approved and their bonds are in good order".	2/5/2013 8:47:33 AM
Permit	Form has passed completeness.	1/29/2013 4:08:48 PM

Total: 7 comment(s)

BMP

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

Total: 0 comment(s)