

**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:

400102362

Plugging Bond Surety

20040105

3. Name of Operator: BERRY PETROLEUM COMPANY

4. COGCC Operator Number: 10091

5. Address: 1999 BROADWAY STE 3700

City: DENVER State: CO Zip: 80202

6. Contact Name: Kallasandra Moran Phone: (303)999-4225 Fax: (303)999-4325

Email: kmoran@bry-consultant.com

7. Well Name: Long Ridge Well Number: 16B O16 595

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

9. Proposed Total Measured Depth: 12336

WELL LOCATION INFORMATION

10. QtrQtr: SWSE Sec: 16 Twp: 5S Rng: 95W Meridian: 6

Latitude: 39.610202 Longitude: -108.058023

		FNL/FSL		FEL/FWL
Footage at Surface:	<u>1329</u>	<u>FSL</u>	<u>2272</u>	<u>FEL</u>

11. Field Name: Parachute Field Number: 67350

12. Ground Elevation: 8291 13. County: GARFIELD

14. GPS Data:

Date of Measurement: 09/14/2010 PDOP Reading: 2.2 Instrument Operator's Name: Ivan Martin / COnstruction Surveys Inc.

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

Footage at Top of Prod Zone:				Bottom Hole:			
FNL/FSL		FEL/FWL		FNL/FSL		FEL/FWL	
<u>1181</u>	<u>FSL</u>	<u>1189</u>	<u>FEL</u>	<u>1181</u>	<u>FSL</u>	<u>1189</u>	<u>FEL</u>
Sec: 16	Twp: 5S	Rng: 95W		Sec: 16	Twp: 5S	Rng: 95W	

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: 16560 ft

18. Distance to nearest property line: 1932 ft 19. Distance to nearest well permitted/completed in the same formation: 449 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.)
Williams Fork	WMFK	510-13		

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#: _____

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):
See attached mineral lease map.

25. Distance to Nearest Mineral Lease Line: 213 ft 26. Total Acres in Lease: 25000

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: Total closed loop system

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	Weight Per Foot	Setting Depth	Sacks Cement	Cement Bottom	Cement Top
CONDUCTOR	30	20	55	90	100	90	0
SURF	16	9+5/8	36	2,500	1,000	2,500	0
1ST	8+3/4	4+1/2	11.6	12,336	600	12,336	200

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

33. Comments This well was originally permitted as the Long Ridge 08C O16 595 the new name as re-filed is Long Ridge 16B O16 595 (API# 05-045-13014). This well was originally permitted with a SHL location of 1323 FSL and 2260 FEL the new SHL as re-filed is 1329 FSL and 2272 FEL. This well was originally permitted with a BHL location of 2200 FNL and 1060 FEL the new BHL as re-filed is 1181 FSL and 1189 FEL. The location does NOT require a variance from any of the rules listed in Rule 306.d. (1). (A). (ii).
The location is NOT in a restricted surface occupancy area.
The location is NOT a sensitive wildlife habitat area.
The production casing Top of Cement will be 200' above the Top of Gas.
Berry Petroleum Company will be using a total closed loop system (See attached description.)

34. Location ID: 335838

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: Kallasandra M. Moran

Title: Permit Agent Date: 10/21/2010 Email: kmoran@bry-consultant.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: 11/19/2010

API NUMBER

05 045 13014 00

Permit Number: _____

Expiration Date: 11/18/2012**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.COMPLIANCE WITH THE MOST CURRENT REVISION OF THE NORTHWEST COLORADO NOTIFICATION POLICY IS REQUIRED.

2.GARFIELD COUNTY RULISON FIELD NOTICE TO OPERATORS. NOTE: ALL NOTICES SHALL BE GIVEN VIA E-MAIL. SEE ATTACHED NOTICE

3.PRODUCTION CASING CEMENT TOP VERIFICATION BY CBL REQUIRED.

4.THE PROPOSED SURFACE CASING IS MORE THAN 50' BELOW THE DEPTH OF THE DEEPEST WATER WELL WITHIN 1 MILE OF THE SURFACE LOCATION WHEN CORRECTED FOR THE ELEVATION DIFFERENCES. THE DEEPEST WATER WELL WITHIN 1 MILE IS 0 FEET DEEP.

Attachment Check List

Att Doc Num	Name
400102362	FORM 2 SUBMITTED
400102410	DEVIATED DRILLING PLAN
400102411	PLAT
400102412	OTHER
400102413	MINERAL LEASE MAP
400102414	TOPO MAP

Total Attach: 6 Files

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