

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 ZONE ☐ COMMINGLE ZONE ☐

 Refiling ☒
 Sidetrack ☐

Document Number:

400093202

Plugging Bond Surety

20040105

3. Name of Operator: BERRY PETROLEUM COMPANY4. COGCC Operator Number: 100915. Address: 1999 BROADWAY STE 3700City: DENVER State: CO Zip: 802026. Contact Name: Kallasandra Moran Phone: (303)999-4225 Fax: (303)999-4325Email: kmoran@bry-consultant.com7. Well Name: Long Ridge Well Number: 12C M15 595

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

9. Proposed Total Measured Depth: 12742

WELL LOCATION INFORMATION

10. QtrQtr: SWSW Sec: 15 Twp: 5S Rng: 95W Meridian: 6Latitude: 39.610100 Longitude: -108.048206
 Footage at Surface: 1290 FNL/FSL FSL 444 FEL/FWL FWL
11. Field Name: Parachute Field Number: 6735012. Ground Elevation: 8239 13. County: GARFIELD

14. GPS Data:

Date of Measurement: 06/08/2010 PDOP Reading: 2.1 Instrument Operator's Name: Ivan Martin / Construction Surveys15. If well is ☒ Directional ☐ Horizontal (highly deviated) **submit deviated drilling plan.**
 Footage at Top of Prod Zone: FNL/FSL 1729 FSL 542 FWL FWL Bottom Hole: FNL/FSL 1729 FSL 542 FWL FWL
 Sec: 15 Twp: 5S Rng: 95W Sec: 15 Twp: 5S Rng: 95W
16. Is location in a high density area? (Rule 603b)? ☐ Yes ☒ No17. Distance to the nearest building, public road, above ground utility or railroad: 18702 ft18. Distance to nearest property line: 2545 ft 19. Distance to nearest well permitted/completed in the same formation: 880 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 Bon ☐ \$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: 504 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 | 12,742 | 600 | 12,742 | 200 |

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

33. Comments 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 closed loop operations.
Berry Petroleum Company will be running up to 10% (by volume) diesel oil in our water based drilling mud as a shale stabilization additive.

34. Location ID: 335865

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: _____ 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: _____ Director of COGCC Date: _____

API NUMBER

05 045 13090 00

Permit Number: _____ Expiration Date: _____

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.

Attachment Check List

| Att Doc Num | Name | Doc Description |
|-------------|------------------------|--|
| 400093204 | DEVIATED DRILLING PLAN | Berry Petroleum (M15 595) LR12C Plan #1.pdf |
| 400093205 | MINERAL LEASE MAP | Encana Mineral Lease Map.PDF |
| 400093206 | PLAT | Long Ridge M15-595 12C plat.pdf |
| 400093208 | TOPO MAP | LONG RIDGE M15-595 Pad - Topo.pdf |
| 400093902 | 30 DAY NOTICE LETTER | Pad M15 595 - 30 Day Letter - Sent 9-20-2010.PDF |
| 400095060 | OTHER | Diesel Use and Cuttings Procedure.PDF |

Total Attach: 6 Files