

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



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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:

400102280

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: 02A I16 595

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

9. Proposed Total Measured Depth: 12196

WELL LOCATION INFORMATION

10. QtrQtr: SWSE Sec: 16 Twp: 5S Rng: 95W Meridian: 6Latitude: 39.610016 Longitude: -108.058112
 Footage at Surface: 1262 FNL/FSL FSL 2297 FEL/FWL FEL
11. Field Name: Parachute Field Number: 6735012. 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: FNL/FSL 429 FNL 1678 FEL/FWL FEL Bottom Hole: FNL/FSL 429 FNL 1678 FEL/FWL FEL
 Sec: 21 Twp: 5S Rng: 95W Sec: 21 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: 16560 ft18. Distance to nearest property line: 1932 ft 19. Distance to nearest well permitted/completed in the same formation: 700 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: 1899 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	12,196	600	12,196	200

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

33. Comments This well was originally permitted as the Long Ridge 14A O16 595 the new name as re-filed is Long Ridge 02A O16 595 (API# 05-045-13009). This well was originally permitted with a SHL location of 1252 FSL and 2284 FEL the new SHL as re-filed is 1262 FSL and 2297 FEL. This well was originally permitted with a BHL location of 750 FSL and 2020 FWL the new BHL as re-filed is 429 FNL and 1678 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: _____ 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 13009 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
400102379	DEVIATED DRILLING PLAN	Berry%20Petroleum%20(O16%20595%20Pad)%20LR02A%20Plan%20%231.pdf
400102380	PLAT	LR02A - Plat.pdf
400102381	OTHER	Diesel Use and Cuttings Procedure.PDF
400102382	MINERAL LEASE MAP	Encana Mineral Lease Map.PDF
400102383	TOPO MAP	LONG RIDGE O16-595 - Topo Map.pdf

Total Attach: 5 Files