

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:

400083859

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: JANNI KEIDEL Phone: (303)999-4225 Fax: (303)999-4325Email: jek@bry.com7. Well Name: GRANLEE OM Well Number: 02B G03 696

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

9. Proposed Total Measured Depth: 11162

## WELL LOCATION INFORMATION

10. QtrQtr: NWNE Sec: 3 Twp: 6S Rng: 96W Meridian: 6Latitude: 39.557725 Longitude: -108.091564
 Footage at Surface: 1939 FNL/FSL FNL 1551 FEL/FWL FEL
11. Field Name: GRAND VALLEY Field Number: 3129012. Ground Elevation: 8164 13. County: GARFIELD

## 14. GPS Data:

Date of Measurement: 08/31/2006 PDOP Reading: 2.3 Instrument Operator's Name: ROBERT KAY15. If well is ☒ Directional ☐ Horizontal (highly deviated) **submit deviated drilling plan.**
 Footage at Top of Prod Zone: FNL/FSL 654 FNL 2036 FEL 654 FNL 2036 FEL  
 Bottom Hole: FNL/FSL 654 FNL 2036 FEL  
 Sec: 03 Twp: 6S Rng: 96W Sec: 03 Twp: 6S Rng: 96W
16. Is location in a high density area? (Rule 603b)? ☐ Yes ☒ No17. Distance to the nearest building, public road, above ground utility or railroad: 6069 ft18. Distance to nearest property line: 4963 ft 19. Distance to nearest well permitted/completed in the same formation: 311 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		LOT 7

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):  
PLEASE SEE MINERAL LEASE MAP ATTACHED TO ORIGINAL APD

25. Distance to Nearest Mineral Lease Line: 5682 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: \_\_\_\_\_

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
3RD	8+3/4	4+1/2	11.6	11,162	600	11,162	

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

33. Comments I certify that there have been no changes on land use, lease description. Pad has been built. Pit has not been constructed. Wells have not been drilled. Conductors have not been set. No rig on site. The refile will not require any expansion / additional surface disturbance of pad. 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 in a sensitive wildlife habitat area. The production casing Top of Cement will be 200' above the Top of Gas. Berry Petroleum Company will be doing closed loop operations.

34. Location ID: 335867

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: JANNI KEIDEL

Title: PERMITTING AGENT Date: \_\_\_\_\_ Email: jek@bry.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 13273 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
400085039	30 DAY NOTICE LETTER	30 Day Notice Letter-G03 696 Pad.pdf
400085041	MINERAL LEASE MAP	Mineral Lease Map - North Parachute .pdf
400085124	DEVIATED DRILLING PLAN	BERRY GRANLEE OM02B-G03-696 PLAN 1 COMPOSITE.pdf
400085132	WELL LOCATION PLAT	Well Location Plat # 1 - Granlee OM 02B G03 696.pdf
400085451	ACCESS ROAD MAP	ACCESS ROAD MAPS - G03 696 PAD- TOPOS A & B .pdf

Total Attach: 5 Files

**BMP**

Type	Comment
Drilling/Completion Operations	<p data-bbox="493 149 1338 180">Best Management Practices - Berry EnCana G03 696 Well Pad (8wells)</p> <p data-bbox="493 275 1523 390">The following is a list of Best Management Practices that will be implemented by Berry Petroleum Company during the pad construction, well drilling, well completion, natural gas production, and reclamation phases of activity on the Granlee OM G03 696 location.</p> <p data-bbox="493 426 1468 516">! A total of eight wells will be directionally drilled from the G03 well pad. Directional drilling has enabled Berry Petroleum Company to reduce the number of well pads required for gas recovery and will minimize surface</p> <p data-bbox="493 552 1089 583">damage. Closed Loop will be used for these wells.</p> <p data-bbox="493 611 1474 701">! The G03 well pad will be constructed adjacent to an existing access road. This eliminates the need to construct an additional road for access and avoids additional surface disturbance.</p> <p data-bbox="493 728 1523 819">! In general, Berry Petroleum Company will comply with applicable federal, state and local statutes, rules, regulations and ordinances, including, those of OSHA, the COGCC and CDPHE relating to safety and the environment.</p> <p data-bbox="493 854 1516 945">! During construction of the well pad, topsoil will be isolated from other soils and placed and stacked per COGCC requirements. All cuts, full slopes, pit and topsoil piles and soil piles will be stabilized and revegetated immediately following construction.</p> <p data-bbox="493 972 1425 1035">! The pad will be constructed in compliance with CDPHE Stormwater Discharge regulations.</p> <p data-bbox="493 1062 1471 1125">! The reserve/completion pit will be fenced/flagged and/or netted to prevent entry of wildlife (including birds) and livestock.</p> <p data-bbox="493 1152 1503 1215">! Bear-proof dumpsters or trash cages will be used on the location for solid/food waste storage.</p> <p data-bbox="493 1243 899 1274">! Noxious weeds will be controlled.</p> <p data-bbox="493 1310 1516 1373">! Temporary housing for the drill rig crews will meet all Garfield County regulations. The housing quarters will receive 24/7 supervision by Berry Petroleum Company.</p> <p data-bbox="493 1400 1516 1463">! Production tanks shall be placed on a non-permeable liner and surrounded by a metal containment wall at least 3-feet high.</p>

Total: 1 comment(s)