

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:

400009405

Plugging Bond Surety

20040071

3. Name of Operator: ANTERO RESOURCES PICEANCE CORPORATION4. COGCC Operator Number: 100795. Address: 1625 17TH ST STE 300City: DENVER State: CO Zip: 802026. Contact Name: Hannah Knopping Phone: (303)357-6412 Fax: (303)357-7315Email: hknopping@anteroresources.com7. Well Name: Gypsum Ranch Well Number: B10

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

9. Proposed Total Measured Depth: 9147

WELL LOCATION INFORMATION

10. QtrQtr: NWNE Sec: 14 Twp: 6S Rng: 93W Meridian: 6Latitude: 39.531422 Longitude: -107.740021
 Footage at Surface: 791 FNL/FSL 1741 FEL/FWL FEL
11. Field Name: Mamm Creek Field Number: 5250012. Ground Elevation: 5323 13. County: GARFIELD

14. GPS Data:

Date of Measurement: 08/07/2008 PDOP Reading: 1.3 Instrument Operator's Name: Scott E. Aibner15. If well is ☒ Directional ☐ Horizontal (highly deviated) **submit deviated drilling plan.**
 Footage at Top of Prod Zone: FNL/FSL 2466 FSL 1861 FEL/FWL 2466 FSL 1861 FEL/FWL FEL
 Sec: 14 Twp: 6S Rng: 93W Sec: 14 Twp: 6S Rng: 93W
16. Is location in a high density area? (Rule 603b)? ☐ Yes ☒ No17. Distance to the nearest building, public road, above ground utility or railroad: 40318. Distance to nearest property line: 321 19. Distance to nearest well permitted/completed in the same formation: 320

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.) |
|------------------------|----------------|-------------------------|-------------------------------|--------------------------------------|
| Iles | ILES | 191-25 | 160 | SE/4 |
| Williams Fork | WMFK | 191-19 | 320 | S2 |

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 (previously submitted)

25. Distance to Nearest Mineral Lease Line: _____ 158 _____ 26. Total Acres in Lease: _____ 499 _____

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: Closed Loop: Grfld Cty Lndfl

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 | 24 | 16 | 55# | 50 | 148 | 50 | 0 |
| 1ST | 12+1/4 | 8+5/8 | 24# | 1,500 | 590 | 1,500 | 0 |
| 2ND | 7+7/8 | 5+1/2 | 17# | 9,147 | 756 | 9,147 | 4,887 |

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

33. Comments I certify that all conditions in the original permit are the same except want to take off bond (SUA attached). No changes to land use, well construction, or lease. Pad is built. No expansion or additional disturbance will occur. Closed loop system will be used. #17 Distance to private power lines owned by Lafarge. Lafarge is in agreement to turn off power lines during our operations on pad.

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: Hannah Knopping

Title: Permit Representative Date: _____ Email: hknopping@anteroresources.co

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: _____

Permit Number: _____ Expiration Date: _____

API NUMBER

05 045 17626 00

CONDITIONS OF APPROVAL, IF ANY:**Attachment Check List**

| Att Doc Num | Name | Doc Description |
|-------------|----------------------|---|
| 400010004 | 30 DAY NOTICE LETTER | Gypsum Ranch B 305-306 waiver letter refile 6-11-09.pdf |
| 400010005 | WAIVERS | Gypsum Ranch B 305-306 signed 6-15-09.pdf |
| 400010021 | SURFACE AGRMT/SURETY | Gypsum Ranch B Pad SUA.pdf |

Total Attach: 3 Files