

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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| DE | ET | OE | ES |
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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:

400010523

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: Ashlie Mihalcin Phone: (303)357-7323 Fax: (303)357-7315Email: amihalcin@anteroresources.com7. Well Name: Valley Farms Well Number: E8

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

9. Proposed Total Measured Depth: 8559

WELL LOCATION INFORMATION

10. QtrQtr: SENE Sec: 15 Twp: 6S Rng: 92W Meridian: 6Latitude: 39.528940 Longitude: -107.646279
 Footage at Surface: 1913 FNL/FSL FNL 705 FEL/FWL FEL
11. Field Name: Mamm Creek Field Number: 5250012. Ground Elevation: 5604 13. County: GARFIELD

14. GPS Data:

Date of Measurement: 03/16/2006 PDOP Reading: 1.0 Instrument Operator's Name: Jason R. Neil15. If well is ☒ Directional ☐ Horizontal (highly deviated) **submit deviated drilling plan.**
 Footage at Top of Prod Zone: FNL/FSL 1218 FNL 214 FEL 214 FEL 214 FEL 214
 Bottom Hole: FNL/FSL 1218 FNL 214 FEL 214 FEL 214
 Sec: 15 Twp: 6S Rng: 92W Sec: 15 Twp: 6S Rng: 92W
16. Is location in a high density area? (Rule 603b)? ☐ Yes ☒ No17. Distance to the nearest building, public road, above ground utility or railroad: 39018. Distance to nearest property line: 155 19. Distance to nearest well permitted/completed in the same formation: 411

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 | 320 | N/2 |
| Williams Fork | WMFK | 523-2 | 320 | N/2 |

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 "Exhibit A" -Leased Premises

25. Distance to Nearest Mineral Lease Line: 2141 26. Total Acres in Lease: 2356

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# | 900 | 381 | 900 | 0 |
| 2ND | 7+7/8 | 5+1/2 | 17# | 8,559 | 823 | 8,559 | 3,964 |

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 updated distance #17 to Mineota Estates Road. There are no changes to land use, well construction or the lease. This pad is built. No expansion/additional disturbance will occur. Closed Loop system will be used.

34. Location ID: 335542

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: Ashlie Mihalcin

Title: Permit Representative Date: _____ Email: amihalcin@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 13224 00

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

| Att Doc Num | Name | Doc Description |
|-------------|----------------------|---|
| 400012307 | 30 DAY NOTICE LETTER | Valley Farms Pad E 305 306 waiver refile resent 6-23-09.pdf |
| 400012309 | WAIVERS | Valley Farms Pad E 305 306 waiver signed 6-25-09.pdf |

Total Attach: 2 Files