

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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Document Number:

400039709

Plugging Bond Surety

20040071

## 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 ☐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: Valley Farms Well Number: J3

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

9. Proposed Total Measured Depth: 7153

## WELL LOCATION INFORMATION

10. QtrQtr: NWNW Sec: 13 Twp: 6S Rng: 92W Meridian: 6Latitude: 39.533764 Longitude: -107.620569
 Footage at Surface: 217 FNL/FSL FNL 1286 FEL/FWL FWL
11. Field Name: Mamm Creek Field Number: 5250012. Ground Elevation: 5537 13. County: GARFIELD

## 14. GPS Data:

Date of Measurement: 01/19/2010 PDOP Reading: 1.4 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 219 FNL 2427 FWL 219 FNL 2427 FWL  
 Bottom Hole: FNL/FSL 219 FNL 2427 FWL  
 Sec: 13 Twp: 6S Rng: 92W Sec: 13 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: 683 ft18. Distance to nearest property line: 377 ft 19. Distance to nearest well permitted/completed in the same formation: 732 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.) |
|------------------------|----------------|-------------------------|-------------------------------|--------------------------------------|
| Iles                   | ILES           | 191-55                  | 320                           | N/2                                  |
| Williams Fork          | WMFK           | 191-55                  | 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):  
 Unleased tract subject to anticipated force pooling application

25. Distance to Nearest Mineral Lease Line: \_\_\_\_\_ 20 ft 26. Total Acres in Lease: \_\_\_\_\_

### 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: GarCty Landfill: Closed loop

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#             | 60            | 177          | 60            | 0          |
| SURF        | 12+1/4       | 8+5/8          | 24/32#          | 1,000         | 416          | 1,000         | 0          |
| 1ST         | 7+7/8        | 4+1/2          | 11.6#           | 7,153         | 638          | 7,153         |            |

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

33. Comments First String/Production TOC=>500' above top of gas.

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: \_\_\_\_\_

API NUMBER

05

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  |
|-------------|------------------------|--|
| 400040013   | DEVIATED DRILLING PLAN | ANTERO VALLEY FARMS J3 P01.pdf                             |
| 400040014   | WELL LOCATION PLAT     | Valley Farms J3 surface location plat.pdf                  |
| 400040015   | SURFACE AGRMT/SURETY   | SUA Second Amendment (from Land).pdf                       |
| 400040016   | TOPO MAP               | VF J Pad_Access Road Map.pdf                               |
| 400041734   | 30 DAY NOTICE LETTER   | Valley Farms J_30 Day Letter (Signed by Surface Owner).pdf |

Total Attach: 5 Files