

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:

400062396

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: Valley Farms Well Number: D2

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

9. Proposed Total Measured Depth: 8468

WELL LOCATION INFORMATION

10. QtrQtr: NENW Sec: 15 Twp: 6S Rng: 92W Meridian: 6Latitude: 39.531119 Longitude: -107.653259
 Footage at Surface: 1098 FNL/FSL FNL 2616 FEL/FWL FWL
11. Field Name: Mamm Creek Field Number: 5250012. Ground Elevation: 5532 13. County: GARFIELD

14. GPS Data:

Date of Measurement: 10/15/2008 PDOP Reading: 1.1 Instrument Operator's Name: Frank W. Harrington15. If well is ☒ Directional ☐ Horizontal (highly deviated) **submit deviated drilling plan.**
 Footage at Top of Prod Zone: FNL/FSL 1088 FNL 2070 FWL FWL Bottom Hole: FNL/FSL 1088 FNL 2070 FWL FWL
 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: 350 ft18. Distance to nearest property line: 100 ft 19. Distance to nearest well permitted/completed in the same formation: 407 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 | 191-25 | 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):
Lease map previously submitted.

25. Distance to Nearest Mineral Lease Line: 1060 ft 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

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 |
| SURF | 12+1/4 | 8+5/8 | 24/32# | 1,000 | 416 | 1,000 | 0 |
| 1ST | 7+7/8 | 4+1/2 | 11.7# | 8,468 | 826 | 8,468 | |

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

33. Comments Production/1st String Casing top of cement will be greater than 500 feet above top of gas. This pad straddles the NENW and NWNE of Section 15. I certify that all conditions in the original permit are the same except property line distance has been corrected and other typographical errors and our casing program has been updated. A new plat has been attached because although SHL lat/longs have not changed, there was an error concerning footages on the original plat. Also the most recent directional plan is attached because although BHL has not changed from last permit, the TD is incorrect on permit. There have been no other changes to land use, well construction or lease. This well is being re-filed under the old rules and does not require a Form 2A because this pad is built, there will be no expansion of the pad or additional surface disturbance, and this location is not in a RSO area. Also, please note this well is an exception location to Rule 603a(2) however we were granted a variance for this pad prior to construction by providing your office with signed property line waivers from both affected surface owners when permits were originally filed for this pad location so we have not attached new waivers but we have attached the original waivers for your reference.

34. Location ID: 335534

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

05 045 12084 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 |
|-------------|------------------------|---|
| 400062397 | 30 DAY NOTICE LETTER | valley Farms D Pad_30 Day Letter_COGCC Copy.pdf |
| 400062399 | EXCEPTION LOC WAIVERS | Valley Farms D 603a2 SIGNED waiver (Fazzi).pdf |
| 400062400 | EXCEPTION LOC WAIVERS | Valley Farms D 603a2 SIGNED waiver (Yenter).pdf |
| 400062401 | WELL LOCATION PLAT | Valley Farms D2 surface location plat.pdf |
| 400062403 | DEVIATED DRILLING PLAN | VF D2_Directonal Plan.pdf |

Total Attach: 5 Files