

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:

400067207

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: Maves Well Number: A1

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

9. Proposed Total Measured Depth: 5483

WELL LOCATION INFORMATION

10. QtrQtr: NENW Sec: 6 Twp: 6S Rng: 91W Meridian: 6Latitude: 39.561488 Longitude: -107.601759
 Footage at Surface: 972 FNL/FSL FNL 1448 FEL/FWL FWL
11. Field Name: Wildcat Field Number: 9999912. Ground Elevation: 5771 13. County: GARFIELD

14. GPS Data:

Date of Measurement: 05/18/2010 PDOP Reading: 2.8 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 642 FNL 1574 FWL 642 FNL 1574 FWL
 Bottom Hole: FNL/FSL 642 FNL 1574 FWL
 Sec: 6 Twp: 6S Rng: 91W Sec: 6 Twp: 6S Rng: 91W
16. Is location in a high density area? (Rule 603b)? ☐ Yes ☒ No17. Distance to the nearest building, public road, above ground utility or railroad: 785 ft18. Distance to nearest property line: 511 ft 19. Distance to nearest well permitted/completed in the same formation: 1 mi

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 | unspaced | | |
| Williams Fork | WMFK | unspaced | | |

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):
A portion of the N/2NW/4 of Section 6-T6S-R91W. (See attached lease map)

25. Distance to Nearest Mineral Lease Line: 642 ft 26. Total Acres in Lease: 67

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: Bury onsite if meet 910 Tabl

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# | 5,483 | 356 | 5,483 | |

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

33. Comments First String/Production TOC will be >500 feet above Top of Gas. #18: There is a property line that is 229 feet west of our well location, however it is a surface tract that is also owned by the same surface owner, David W. Maves. Therefore, we have listed the distance to the nearest property line of offset surface owner.

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

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 |
|-------------|-------------------------|--|
| 400067247 | SURFACE AGRMT/SURETY | Maves A Pad_Redacted SUA.pdf |
| 400067249 | WELL LOCATION PLAT | Maves A1 Surface Location Plat.pdf |
| 400067250 | DEVIATED DRILLING PLAN | ANTERO MAVES A1 P01.pdf |
| 400067251 | TOPO MAP | Maves A1_Access Road Map.pdf |
| 400068457 | 30 DAY NOTICE LETTER | Maves A Pad_30 Day Letter (SIGNED).pdf |
| 400073233 | LEGAL/LEASE DESCRIPTION | Maves A Pad_Lease Map_COGCC.pdf |

Total Attach: 6 Files