

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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Document Number:
400098105
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 CORPORATION 4. COGCC Operator Number: 10079
 5. Address: 1625 17TH ST STE 300
 City: DENVER State: CO Zip: 80202
 6. Contact Name: Hannah Knopping Phone: (303)357-6412 Fax: (303)357-7315
 Email: hknopping@anteroresources.com
 7. Well Name: BAT Well Number: 41C-19-07-95
 8. Unit Name (if appl): _____ Unit Number: _____
 9. Proposed Total Measured Depth: 6390

WELL LOCATION INFORMATION

10. QtrQtr: SESE Sec: 18 Twp: 7S Rng: 95W Meridian: 6
 Latitude: 39.431067 Longitude: -108.033163
 Footage at Surface: 234 FNL/FSL FSL 801 FEL/FWL FEL
 11. Field Name: Parachute Field Number: 67350
 12. Ground Elevation: 5441 13. County: GARFIELD

14. GPS Data:
Date of Measurement: 09/17/2010 PDOP Reading: 3.0 Instrument Operator's Name: Elwood Barry Giles

15. If well is Directional Horizontal (highly deviated) **submit deviated drilling plan.**
 Footage at Top of Prod Zone: FNL/FSL 764 FNL 645 FEL 764 FNL 645 FEL
 Bottom Hole: FNL/FSL 764 FNL 645 FEL
 Sec: 19 Twp: 7S Rng: 95W Sec: 19 Twp: 7S Rng: 95W

16. Is location in a high density area? (Rule 603b)? Yes No
 17. Distance to the nearest building, public road, above ground utility or railroad: 430 ft
 18. Distance to nearest property line: 519 ft 19. Distance to nearest well permitted/completed in the same formation: 302 ft

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.)
Williams Fork	WMFK	440-52,139		

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.

25. Distance to Nearest Mineral Lease Line: 580 ft 26. Total Acres in Lease: 42

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: Onsite if meet Tbl 910

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#	2,200	834	2,200	0
1ST	7+7/8	4+1/2	11.6#	6,390	657	6,390	

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

33. Comments First String/Production TOC will be >200 feet above Top of Gas. NOTE: Antero Resources (applicant) is the surface owner of the SESE of Section 18-T7S-R95W and a portion of the N2NENE of Section 19-T7S-R95W, where the subject well pad will be located and therefore no 30-Day Letter or SUA have been attached.

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
400102078	DEVIATED DRILLING PLAN	Antero BAT 41C-19-07-95 P01.pdf
400105316	TOPO MAP	Monument Ridge_Access Road Map.pdf
400105317	WELL LOCATION PLAT	BAT 41C-19-07-95_Location Plat.pdf
400105318	LEASE MAP	Mineral Lease Map - Antero-Exxon et al (42 acres).pdf

Total Attach: 4 Files