

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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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:

400010658

Plugging Bond Surety

20040071

3. Name of Operator: ANTERO RESOURCES PICEANCE CORPORATION 4. 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: McPherson Well Number: A1

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

9. Proposed Total Measured Depth: 8540

WELL LOCATION INFORMATION

10. QtrQtr: NENW Sec: 16 Twp: 6S Rng: 92W Meridian: 6Latitude: 39.531109 Longitude: -107.675968Footage at Surface: 1044 FNL 1486 FWL11. Field Name: Mamm Creek Field Number: 5250012. Ground Elevation: 5449 13. County: GARFIELD

14. GPS Data:

Date of Measurement: 01/29/2007 PDOP Reading: 1.1 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 FEL/FWL Bottom Hole: FNL/FSL FEL/FWL
1394 FNL 1104 FWL 1394 FNL 1104 FWL
Sec: 16 Twp: 6S Rng: 92W Sec: 16 Twp: 6S Rng: 92W16. Is location in a high density area? (Rule 603b)? Yes No17. Distance to the nearest building, public road, above ground utility or railroad: 72018. Distance to nearest property line: 162 19. Distance to nearest well permitted/completed in the same formation: 867

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	191-34	160	NW/4
Williams Fork	WMFK	191-34	160	NW/4

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 "Plat 4" -SW/4NW/4, N/2SW/4 of Sec. 16-T6S-R92W

25. Distance to Nearest Mineral Lease Line: _____ 100 _____ 26. Total Acres in Lease: _____ 120 _____

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#	860	367	860	0
2ND	7+7/8	5+1/2	17#	8,540	798	8,540	4,065

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

33. Comments I certify that all conditions in the previous permit are the same. There have been no changes to land use, well construction, or lease. Pad is built. No expansion or additional disturbance will occur. Closed Loop system will be used.

34. Location ID: _____ 335539 _____

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

05 045 14474 00

CONDITIONS OF APPROVAL, IF ANY:

Attachment Check List

Att Doc Num	Name	Doc Description
400012710	30 DAY NOTICE LETTER	McPherson A 305-306 30-Day Letter sent 7-6-09.pdf
400012711	WAIVERS	McPherson A 305-306 Signed Waiver (9-5-09)pdf.pdf

Total Attach: 2 Files