

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:

400009986

Plugging Bond Surety

20040071

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: Ashlie Mihalcin Phone: (303)357-7323 Fax: (303)357-7315
Email: amihalcin@anteroresources.com

7. Well Name: River Ranch Well Number: C5

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

9. Proposed Total Measured Depth: 14273

WELL LOCATION INFORMATION

10. QtrQtr: NESW Sec: 8 Twp: 6S Rng: 92W Meridian: 6

Latitude: 39.539879 Longitude: -107.692365

Footage at Surface: 2180 FSL 2192 FWL

11. Field Name: Mamm Creek Field Number: 52500

12. Ground Elevation: 5384 13. County: GARFIELD

14. GPS Data:

Date of Measurement: 06/11/2008 PDOP Reading: 1.3 Instrument Operator's Name: Samuel D. Phelps

15. 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
2012 FSL 1961 FEL 2012 FSL 1961 FEL
Sec: 8 Twp: 6S Rng: 92W Sec: 8 Twp: 6S Rng: 92W

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: 478

18. Distance to nearest property line: 701 19. Distance to nearest well permitted/completed in the same formation: 306

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		
Mancos	MNCS	191-60		
Williams Fork	WMFK	510-16		

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 Plat #6

25. Distance to Nearest Mineral Lease Line: 628 26. Total Acres in Lease: 233

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/Grfl 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#	60	177	60	0
SURF	12+1/4	9+5/8	36#	1,522	598	1,522	0
2ND	8+1/2	7	26#	8,957	1,949	8,957	0
3RD	6+1/8	4+1/2	15.1#	14,273	2,973	14,273	4,672

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

33. Comments I certify that all conditions in the original permit/sundry are the same except revised depth, csg/cmt program and updated distance #19. There have been no changes to land use, well construction or the lease. This pad is built. No expansion or additional disturbance will occur. Closed loop system will be used.

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: Ashlie Mihalcin

Title: Permit Representative Date: _____ Email: amihalcin@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 13284 00

CONDITIONS OF APPROVAL, IF ANY:

Attachment Check List

Att Doc Num	Name	Doc Description
400009993	WAIVERS	River Ranch C Pad 305-306 Waiver (signed 6-1-09).pdf
400009994	30 DAY NOTICE LETTER	River Ranch C Pad 305-306 Waiver Sent (COGCC Copy).pdf
400009995	DEVIATED DRILLING PLAN	ANTERO RIVER RANCH C5 P04 (COGCC Copy).pdf

Total Attach: 3 Files