

FORM

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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 CORPORATION4. COGCC Operator Number: 100795. Address: 1625 17TH ST STE 300City: DENVER State: CO Zip: 802026. Contact Name: Ashlie Mihalcin Phone: (303)357-7323 Fax: (303)357-7315Email: amihalcin@anteroresources.com7. 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: 6Latitude: 39.539879 Longitude: -107.692365
 Footage at Surface: 2180 FSL 2192 FWL  
 FNL/FSL FEL/FWL
11. Field Name: Mamm Creek Field Number: 5250012. 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. Phelps15. 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 ☒ No17. Distance to the nearest building, public road, above ground utility or railroad: 47818. 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:**

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**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