

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		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 Water Disposal Well

SINGLE ZONE MULTIPLE ZONE COMMINGLE ZONE

Refiling
 Sidetrack

Document Number:
 400094455
 Plugging Bond Surety

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: CSF Well Number: 12AWI-08-07-91

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

9. Proposed Total Measured Depth: 7581

WELL LOCATION INFORMATION

10. QtrQtr: SWNW Sec: 8 Twp: 7S Rng: 91W Meridian: 6
 Latitude: 39.464062 Longitude: -107.583509

Footage at Surface: 1808 feet FNL 813 feet FWL

11. Field Name: Mamm Creek Field Number: 52500

12. Ground Elevation: 6451 13. County: GARFIELD

14. GPS Data:
 Date of Measurement: 06/09/2010 PDOP Reading: 2.3 Instrument Operator's Name: Scott E. Aibner

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

2072 FNL 665 FWL 2072 FNL 665 FWL

Sec: 8 Twp: 7S Rng: 91W Sec: 8 Twp: 7S Rng: 91W

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: 1015 ft

18. Distance to nearest property line: 1808 ft 19. Distance to nearest well permitted/completed in the same formation: 401 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.)
Iles	ILES	191-32		
Williams Fork	WMFK	191-32		

IMPORTANT: SOME DATA FIELDS HAVE BEEN MODIFIED.

21. Mineral Ownership: Fee State Federal Indian Lease #: COC-066578
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 Bond \$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):
T7S, R91W - All of Sections 7, 8 and 9
25. Distance to Nearest Mineral Lease Line: 2072 ft 26. Total Acres in Lease: 1947

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 28 or 29 are yes, is this location in a sensitive area (Rule 901.e)? Yes No
31. Mud disposal: Offsite Onsite **If 28, 29, or 30 are "Yes" a pit permit may be required.**
Method: Land Farming Land Spreading Disposal Facility Other: Bury Onsite if Meet 910 Tbl
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	Wt/Ft	Csg/Liner Top	Setting Depth	Sacks Cmt	Cmt Btm	Cmt Top
CONDUCTOR	24	16	55#		60	177	60	0
SURF	12+1/4	9+5/8	24/32#		1,000	316	1,000	0
1ST	8+1/2	7	11.6#		7,581	556	7,581	

32. BOP Equipment Type: Annular Preventer Double Ram Rotating Head None
33. Comments First String/Production TOC will be >500' above Top of Gas. Since the surface owner is the Bureau of Land Managment, a 30 Day Letter and SUA have not been secured. This location is subject to the North Castle Springs Master Development Plan (DOI-BLM-CO-N040-2010-0032-EA). Please be advised that Antero is submitting an Injection Well Permit Application Form 31, and should approval be granted, Antero plans to utilize this as a Water Disposal Well injecting into the Cozzette and Corcoran formations.

34. Location ID: 335052
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: 9/22/2010 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: David S. Neslin Director of COGCC Date: 10/28/2010

Permit Number: _____ Expiration Date: 10/27/2012

API NUMBER

05 045 20102 00

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.

THE PROPOSED SURFACE CASING IS MORE THAN 50' BELOW THE DEPTH OF THE DEEPEST WATER WELL WITHIN 1MILE OF THE SURFACE LOCATION WHEN CORRECTED FOR ELEVATION DIFFERENCES. THE DEEPEST WATER WELL WITHIN 1 MILE IS 000 FEET DEEP.

Attachment Check List

Att Doc Num	Name
400094455	APD APPROVED
400094470	WELL LOCATION PLAT
400094476	TOPO MAP
400094526	DEVIATED DRILLING PLAN
400094527	FED. DRILLING PERMIT
400104507	FORM 2 SUBMITTED

Total Attach: 6 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>

Total: 0 comment(s)

BMP

<u>Type</u>	<u>Comment</u>

Total: 0 comment(s)