

FORM
2

Rev
12/05

State of Colorado
Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203 Phone: (303) 894-2100 Fax: (303) 894-2109



Document Number:

400004382

Date Received:

09/04/2009

PluggingBond SuretyID

20040071

APPLICATION FOR PERMIT TO:

1. Drill, Deepen, Re-enter, Recomplete and Operate

2. TYPE OF WELL

OIL GAS COALBED OTHER _____
SINGLE ZONE MULTIPLE COMMINGLE

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: CSF Well Number: 34B-07-07-91

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

9. Proposed Total Measured Depth: 11978

WELL LOCATION INFORMATION

10. QtrQtr: SWSE Sec: 7 Twp: 7S Rng: 91W Meridian: 6

Latitude: 39.456070 Longitude: -107.594100

Footage at Surface: 585 feet FSL 2176 feet FEL

11. Field Name: Wildcat Field Number: 99999

12. Ground Elevation: 7043 13. County: GARFIELD

14. GPS Data:

Date of Measurement: 01/13/2004 PDOP Reading: 3.4 Instrument Operator's Name: David B. Dusdal

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 _____
660 FSL 1986 FEL 660 FSL 1986 FEL
Sec: 7 Twp: 7S Rng: 91W Sec: 7 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: 3400 ft

18. Distance to nearest property line: 2600 ft 19. Distance to nearest well permitted/completed in the same formation(BHL): 1250 ft

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	191-32		
Mancos	MNCS			
Niobrara	NBRR			
Williams Fork	WMFK	191-32		

21. Mineral Ownership: Fee State Federal Indian Lease #: COC66578

22. Surface Ownership: Fee State Federal Indian

23. Is the Surface Owner also the Mineral Owner? Yes No Surface Surety ID#: 0

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):
All sections 7, 8, and 9 of T7S, R91W

25. Distance to Nearest Mineral Lease Line: 660 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: Closed loop;Gar.Cty landfill

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#		75	222	75	0
SURF	12+1/4	8+5/8	40#		1500	590	1500	0
3RD	7+7/8	5+1/2	23/26#		11978	1623	11978	3218

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

33. Comments I certify that all conditions in the original permit (w/appvd sundry changes) are still the same. There have been no changes to land use or well construction since latest sundries. This pad is built; no new disturbance. Fed surface-no 305 letter required.

34. Location ID: 335051

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: 9/4/2009 Email: hknopping@anteroresources.c

Operator must have a valid water right or permit allowing for industrial use or purchased water from a seller that has a valid water right or permit allowing for industrial use, otherwise an application for a change in type of use is required under Colorado law. Operator must also use the water in the location set forth in the water right decree or well permit, otherwise an application for a change in place of use is required under Colorado law. Section 37-92-103(5), C.R.S. (2011).

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: 11/15/2009

API NUMBER	Permit Number: _____	Expiration Date: <u>11/14/2010</u>
05 045 12255 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.

Description

24 HOUR SPUD NOTICE REQUIRED. E-MAIL: david.andrews@state.co.us

GARFIELD COUNTY RULISON FIELD NOTICE TO OPERATORS. NOTE: ALL NOTICES SHALL BE GIVEN VIA E-MAIL. SEE ATTACHED NOTICE

NEW MAMM CREEK FIELD NOTICE TO OPERATORS APPLIES TO THIS WELL. NOTE: ALL NOTICES SHALL BE GIVEN VIA E-MAIL. SEE ATTACHED NOTICE

THE MOISTURE CONTENT OF ANY DRILL CUTTINGS IN A CUTTINGS PIT, TRENCH, OR PILE SHALL BE AS LOW AS PRACTICABLE TO PREVENT ACCUMULATION OF LIQUIDS GREATER THAN DE MINIMIS AMOUNTS. AT THE TIME OF CLOSURE, THE DRILL CUTTINGS MUST ALSO MEET THE APPLICABLE STANDARDS OF TABLE 910-1.

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 160 FEET DEEP.

Attachment Check List

Att Doc Num	Name
400004382	APD APPROVED

Total Attach: 1 Files

General Comments

User Group	Comment	Comment Date

Total: 0 comment(s)

Best Management Practices

No	BMP/COA Type	Description