

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:
400009405
Date Received:
10/15/2009
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: Gypsum Ranch Well Number: B10
8. Unit Name (if appl): _____ Unit Number: _____
9. Proposed Total Measured Depth: 9147

WELL LOCATION INFORMATION

10. QtrQtr: NWNE Sec: 14 Twp: 6S Rng: 93W Meridian: 6
Latitude: 39.531422 Longitude: -107.740021
Footage at Surface: 791 feet FNL 1741 feet FEL
11. Field Name: Mamm Creek Field Number: 52500
12. Ground Elevation: 5323 13. County: GARFIELD

14. GPS Data:
Date of Measurement: 08/07/2008 PDOP Reading: 1.3 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
2466 FSL 1861 FEL 2466 FSL 1861 FEL
Sec: 14 Twp: 6S Rng: 93W Sec: 14 Twp: 6S Rng: 93W

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: 403 ft
18. Distance to nearest property line: 321 ft 19. Distance to nearest well permitted/completed in the same formation(BHL): 320 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	191-25	160	SE/4
Williams Fork	WMFK	191-19	320	S2

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 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):

See Attached Mineral Lease Map (previously submitted)

25. Distance to Nearest Mineral Lease Line: 158 ft 26. Total Acres in Lease: 499

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; 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	Wt/Ft	Csg/Liner Top	Setting Depth	Sacks Cmt	Cmt Btm	Cmt Top
CONDUCTOR	24	16	55#		50	148	50	0
1ST	12+1/4	8+5/8	24#		1500	590	1500	0
2ND	7+7/8	5+1/2	17#		9147	756	9147	4887

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

33. Comments I certify that all conditions in the original permit are the same except want to take off bond (SUA attached). 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. #17 Distance to private power lines owned by Lafarge. Lafarge is in agreement to turn off power lines during our operations on pad.

34. Location ID: 336037

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: 10/15/2009 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: 11/17/2009

API NUMBER

05 045 17626 00

Permit Number: _____ Expiration Date: 11/16/2010

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.

OPERATOR MUST ENSURE 110 PERCENT SECONDARY CONTAINMENT FOR ANY VOLUME OF FLUIDS CONTAINED AT WELL SITE DURING DRILLING AND COMPLETION OPERATIONS. IF FLUIDS ARE CONVEYED VIA PIPELINE, OPERATOR MUST IMPLEMENT BEST MANAGEMENT PRACTICES TO CONTAIN ANY UNINTENTIONAL RELEASE OF FLUIDS.

FLOWBACK TO TANKS ONLY. SUBMIT A SECONDARY AND TERTIARY CONTAINMENT PLAN VIA SUNDRY NOTICE FORM 4 FOR THE TANKS. ATTN: BOB CHESSON. OBTAIN APPROVAL OF THE PLAN PRIOR TO FLOWBACK.

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 200 FEET DEEP.

Attachment Check List

Att Doc Num	Name
400009405	APD APPROVED
400010004	30 DAY NOTICE LETTER
400010005	WAIVERS
400010021	SURFACE AGRMT/SURETY
400010022	FORM 2 SUBMITTED

Total Attach: 5 Files

General Comments

User Group	Comment	Comment Date

Total: 0 comment(s)

Best Management Practices

No	BMP/COA Type	Description