

FORM  
2

Rev  
12/05

# State of Colorado Oil and Gas Conservation Commission

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Document Number:

400396021

Date Received:

03/27/2013

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 LLC

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: ()

Email: hknopping@anteroresources.com

7. Well Name: BAT Well Number: 33B-24-7-96

8. Unit Name (if appl): \_\_\_\_\_ Unit Number: \_\_\_\_\_

9. Proposed Total Measured Depth: 7000

## WELL LOCATION INFORMATION

10. QtrQtr: NESW Sec: 24 Twp: 7S Rng: 96W Meridian: 6

Latitude: 39.420876 Longitude: -108.060392

Footage at Surface: 1916 feet FSL 1954 feet FWL

11. Field Name: Wildcat Field Number: 99999

12. Ground Elevation: 5183 13. County: GARFIELD

### 14. GPS Data:

Date of Measurement: 08/05/2010 PDOP Reading: 2.4 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  
2305 FSL 1997 FEL 2305 FSL 1997 FEL  
Sec: 24 Twp: 7S Rng: 96W Sec: 24 Twp: 7S Rng: 96W

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: 271 ft

18. Distance to nearest property line: 271 ft 19. Distance to nearest well permitted/completed in the same formation(BHL): 375 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.)
Williams Fork	WMFK	139-31	640	ALL

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

25. Distance to Nearest Mineral Lease Line: 1164 ft 26. Total Acres in Lease: 378

### 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: Onsite if meet Tbl 910

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	0	60	177	60	0
SURF	12+1/4	8+5/8	2432	0	2,000	834	2,000	0
1ST	7+7/8	4+1/2	11.6	0	7,000	498	7,000	

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

33. Comments An existing 2A, doc # 400098244, has an expiration date of 3/24/2014. First String/Production TOC will be >200 feet above Top of Gas. Please note the name of the permit has changed from the original APD. The SHL, BHL and directional plans have changed.

34. Location ID: 422301

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: 3/27/2013 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: Matthew Lee Director of COGCC Date: 4/29/2013

**API NUMBER**

05 045 20550 00

Permit Number: \_\_\_\_\_ Expiration Date: 4/28/2015

**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.

(1) COMPLIANCE WITH THE MOST CURRENT REVISION OF THE NORTHWEST COLORADO NOTIFICATION POLICY IS REQUIRED.

(2) COMPLIANCE WITH THE MOST CURRENT REVISION OF THE GARFIELD COUNTY RULISON-FIELD NOTICE TO OPERATORS IS REQUIRED.

### **Applicable Policies and Notices to Operators**

Piceance Rulison Field - Notice to Operators.

NW Colorado Notification Policy.

Notice Concerning Operating Requirements for Wildlife Protection.

### **Attachment Check List**

<u>Att Doc Num</u>	<u>Name</u>
400396021	FORM 2 SUBMITTED
400396044	MINERAL LEASE MAP
400396074	30 DAY NOTICE LETTER
400396526	SURFACE AGRMT/SURETY
400397223	PLAT
400397298	DEVIATED DRILLING PLAN
400397302	DIRECTIONAL DATA

Total Attach: 7 Files

### **General Comments**

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Location is not built with operator intending to start construction on location in next few weeks. Form 2A for location # 422301 is valid through 3/24/2014.	4/29/2013 1:22:36 PM
Engineer	THE PROPOSED SURFACE CASING IS MORE THAN 50' BELOW THE DEPTH OF THE DEEPEST WATER WELL WITHIN 1-MILE OF THE SURFACE LOCATION WHEN CORRECTED FOR ELEVATION DIFFERENCES. THE DEEPEST WATER WELL WITHIN 1-MILE IS 160 FEET DEEP.	3/29/2013 9:47:47 AM
Permit	This form has passed completeness.	3/29/2013 6:46:02 AM
Permit	Returned to draft: 1) Deviated drilling plan does not match directional template. 2) Invalid formation code.	3/28/2013 7:33:54 AM

Total: 4 comment(s)

### **BMP**

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