

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:

400395826

Date Received:

03/26/2013

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: 32C-24-07-96

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

9. Proposed Total Measured Depth: 6268

WELL LOCATION INFORMATION

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

Latitude: 39.420892 Longitude: -108.060303

Footage at Surface: 1922 feet FSL 1979 feet FWL

11. Field Name: Wildcat Field Number: 99999

12. Ground Elevation: 5182 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
2101 FNL 2010 FEL 2101 FNL 2010 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: 252 ft

18. Distance to nearest property line: 252 ft 19. Distance to nearest well permitted/completed in the same formation(BHL): 343 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	WFCM	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):

Attached Mineral lease map.

25. Distance to Nearest Mineral Lease Line: 600 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	24/32	0	2,000	834	2,000	0
1ST	7+7/8	4+1/2	11.6	0	6,268	560	6,268	

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.

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: 3/26/2013

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 22044 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

Att Doc Num	Name
400395826	FORM 2 SUBMITTED
400395997	30 DAY NOTICE LETTER
400395998	MINERAL LEASE MAP
400396000	PLAT
400396344	DEVIATED DRILLING PLAN
400396683	SURFACE AGRMT/SURETY
400396895	DIRECTIONAL DATA

Total Attach: 7 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	The Form 2A for the location (ID # 422301) is valid through 3/24/2014. Location has not been built but operator expects to start construction within next few weeks.	4/29/2013 1:06:45 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 9:42:38 AM
Permit	This form has passed completeness.	3/29/2013 8:37:30 AM
Permit	Returned to draft: 1) Not multiple zone completion. 2) Deviated drilling plan does not match directional template.	3/28/2013 7:39:18 AM
Permit	Returned to DRAFT as the SUA does not open.	3/27/2013 2:28:48 PM
Permit	Returned to draft at operator's request.	3/26/2013 3:10:21 PM

Total: 6 comment(s)

BMP

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