

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



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Date Received:

09/11/2009

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 CORPORATION4. COGCC Operator Number: 100795. Address: 1625 17TH ST STE 300City: DENVER State: CO Zip: 802026. Contact Name: Ashlie Mihalcin Phone: (303)357-7323 Fax: (303)357-7315Email: amihalcin@anteroresources.com7. Well Name: Hoffmeister Well Number: A6

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

9. Proposed Total Measured Depth: 14191

## WELL LOCATION INFORMATION

10. QtrQtr: NWNE Sec: 12 Twp: 6S Rng: 93W Meridian: 6Latitude: 39.547284 Longitude: -107.721936

Footage at Surface: 325 feet FNL 1890 feet FEL  
 FNL/FSL FEL/FWL

11. Field Name: Mamm Creek Field Number: 5250012. Ground Elevation: 5411 13. County: GARFIELD

## 14. GPS Data:

Date of Measurement: 12/15/2005 PDOP Reading: 1.4 Instrument Operator's Name: Samuel D. Phelps15. 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  
650 FSL 2627 FEL 650 FSL 2627 FEL  
 Sec: 1 Twp: 6S Rng: 93W Sec: 1 Twp: 6s Rng: 93w

16. Is location in a high density area? (Rule 603b)? ☐ Yes ☒ No17. Distance to the nearest building, public road, above ground utility or railroad: 500 ft18. Distance to nearest property line: 324 ft 19. Distance to nearest well permitted/completed in the same formation(BHL): 1007 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	191-48	320	S/2
Mancos	MNCS	191-60	320	S/2
Williams Fork	WMFK	191-48	320	S/2

21. Mineral Ownership: ☒ Fee ☐ State ☐ Federal ☐ Indian Lease #: \_\_\_\_\_22. Surface Ownership: ☒ Fee ☐ State ☐ Federal ☐ Indian23. Is the Surface Owner also the Mineral Owner? ☐ Yes ☒ No Surface Surety ID#: 2004007223a. If 23 is Yes: Is the Surface Owner(s) signature on the lease? ☐ Yes ☐ No23b. 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 Exhibit A: E/2SE/4SW/4, W/2SW/4SE/4 and a portion of the W/2NE/4SW/4SE/4 of Section 1, T6S, R93W

25. Distance to Nearest Mineral Lease Line: 648 ft 26. Total Acres in Lease: 44

### 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

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	36#		1200	485	1200	0
2ND	8+5/8	7	26#		9401	2048	9401	0
3RD	6+1/8	4+1/2	15.1#		14191	873	14191	5041

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

33. Comments I certify that all conditions in the original permit and approved sundries are the same except a slight SHL change and csg program change. No changes to land use or well construction and no changes to the lease. This site has been built. No new disturbance. Updated 305/306 waiver letter is attached.

34. Location ID: 311683

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: Ashlie Mihalcin

Title: Permit Representative Date: 9/11/2009 Email: amihalcin@anteroresources.co

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 & Neslin Director of COGCC Date: 10/31/2009

#### API NUMBER

05 045 17347 00

Permit Number: \_\_\_\_\_ Expiration Date: 10/30/2010

#### 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.

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 1-MILE OF THE SURFACE LOCATION WHEN CORRECTED FOR ELEVATION DIFFERENCES. THE DEEPEST WATER WELL WITHIN 1-MILE IS 620 FEET DEEP.

**Attachment Check List**

<b><u>Att Doc Num</u></b>	<b><u>Name</u></b>
400004914	APD APPROVED
400004930	DEVIATED DRILLING PLAN
400004932	30 DAY NOTICE LETTER
400004935	PLAT

Total Attach: 4 Files

**General Comments**

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

Total: 0 comment(s)

**Best Management Practices**

<b><u>No</u></b>	<b><u>BMP/COA Type</u></b>	<b><u>Description</u></b>