

FORM
2

Rev
12/05

State of Colorado
Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80205 Phone: (303) 894-2100 Fax: (303) 894-2109



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Document Number:

400003958

Plugging Bond Surety

20040071

APPLICATION FOR PERMIT TO:

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

2. TYPE OF WELL

OIL ☐ GAS ☒ COALBED ☐ OTHER _____
SINGLE ZONE ☐ MULTIPLE ZONE ☒ COMMINGLE ZONE ☒

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: HannahKnopping Phone: (303)357-6412 Fax: (303)357-7315

Email: hknopping@anteroresources.com

7. Well Name: Dixon Well Number: A10

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

9. Proposed Total Measured Depth: 10079

WELL LOCATION INFORMATION

10. QtrQtr: SWNE Sec: 18 Twp: 6S Rng: 92W Meridian: 6

Latitude: 39.529608 Longitude: -107.705785

Footage at Surface: 1525 FNL/FSL FNL 1632 FEL/FWL FEL

11. Field Name: Mamm Creek Field Number: 52500

12. Ground Elevation: 5535 13. County: GARFIELD

14. GPS Data:

Date of Measurement: 07/17/2007 PDOP Reading: 1.2 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 2113 FNL 2284 FWL 2113 FNL 2284 FWL
Sec: 18 Twp: 6S Rng: 92W Sec: 18 Twp: 6S Rng: 92W

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: 530

18. Distance to nearest property line: 217 19. Distance to nearest well permitted/completed in the same formation: 404

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	191-40	223	N2
Mancos	MNCS	191-60	223	N2
Williams Fork	WMFK	191-40	223	N2

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 Bon ☐ \$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 "Plat 4" (submitted w/original permit; Sec 18-6S-92W: NE4, N2SE, SWSE, E2NENW, E2SENW, E2NESW, E2SESW

25. Distance to Nearest Mineral Lease Line: 689 26. Total Acres in Lease: 320

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 27 or 28 are yes, is this location in a sensitive area (Rule 903)? ☐ Yes ☒ No If 28, 29, or 30 are "Yes" a pit permit may be required.

31. Mud disposal: ☒ Offsite ☐ Onsite

Method: ☐ Land Farming ☐ Land Spreading ☐ Disposal Facility Other: closed loop:Garf.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	Weight Per Foot	Setting Depth	Sacks Cement	Cement Bottom	Cement Top
CONDUCTOR	24+0/0	16	55#	60	177	60	0
SURF	12+1/4	9+5/8	24#	1,100	451	1,100	0
3RD	8+1/2	7	17#	10,079	1,052	10,079	4,424

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

33. Comments I certify that conditions from original permit are still the same except for slight surface location change and BHL change. There has been no change to land use or well construction. Pad is built; no new disturbance. Updated 305-306 letter attached.

34. Location ID: 335550

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: 9/11/2009 Email: hknopping@anteroresources.co

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: 10/6/2009

API NUMBER

05 045 14906 00

Permit Number: _____ Expiration Date: 10/5/2010

CONDITIONS OF APPROVAL, IF ANY:

Condition of Approval

Comment

Agency

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 400 FEET DEEP.

Attachment Check List

Att Doc Num	Name	Doc Description
1712708	DEVIATED DRILLING PLAN	LF@2143974 1712708
1712709	WELL LOCATION PLAT	LF@2143975 1712709
400004009	30 DAY NOTICE LETTER	LF@2143970 400004009

Total Attach: 3 Files