

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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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 ☐

Document Number:

1711499

Plugging Bond Surety

20040071

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: BAT Well Number: 23D17-07-95

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

9. Proposed Total Measured Depth: 6560

WELL LOCATION INFORMATION

10. QtrQtr: SESW Sec: 17 Twp: 7S Rng: 95W Meridian: 6

Latitude: 39.433036 Longitude: -108.025180

Footage at Surface: 941 FNL/FSL FSL 1463 FEL/FWL FWL

11. Field Name: PARACHUTE Field Number: 67350

12. Ground Elevation: 5563 13. County: GARFIELD

14. GPS Data:

Date of Measurement: 06/19/2009 PDOP Reading: 1.8 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 1333 FSL 1992 FEL/FWL FWL Bottom Hole: FNL/FSL 1333 FSL 1992 FEL/FWL FWL
Sec: 17 Twp: 7S Rng: 95W Sec: 17 Twp: 7S Rng: 95W

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: 671 ft

18. Distance to nearest property line: 288 ft 19. Distance to nearest well permitted/completed in the same formation: 610 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	440-58	240	SW4 W2SE4
WILLIAMS FORK-CAMEO	WFCM	440-58	240	NW4 W2NE4

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#: 20040072

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):
SEC 17-T7S-R95W PORTIONS OF N/2NW/4SW/4, NE/4SW/4, NW/4SE/4, E/2SW/4SE/4

25. Distance to Nearest Mineral Lease Line: 11 ft 26. Total Acres in Lease: 116

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: GARFIELD CITY 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	16	55	60	125	60	0
SURF	12+1/4	8+5/8	32	1,000	500	1,000	0
1ST	7+7/8	4+1/2	11.7	6,634	600	6,634	3,384

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

33. Comments 305/306 LETTER DATED 06/12/09 SIGNED BY SURFACE OWNER WAIVING CONSULTATION MEET. #20. WE HAVE A SPACING APPLICATION PENDING FOR 10 ACRE DENSITY. THE COGCC HEARING IS AUGUST 18, 2009 (SEE ATTACHED).

34. Location ID: _____

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: PERMITTING Date: 7/14/2009 Email: HKNOPPING@ANTERORESO

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: 8/28/2009

API NUMBER

05 045 18714 00

Permit Number: _____ Expiration Date: 8/27/2010

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.

approve w/COA's: 1 2 19 *280 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 CEMENT TOP VERIFICATION BY CBL REQUIRED. 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 280 FEET DEEP.

Attachment Check List

Att Doc Num	Name	Doc Description
1711499	APD ORIG & 1 COPY	LF@2100436 1711499
1711500	WELL LOCATION PLAT	LF@2100437 1711500
1711501	ACCESS ROAD MAP	LF@2100469 1711501
1711502	MINERAL LEASE MAP	LF@2100479 1711502
1711503	30 DAY NOTICE LETTER	LF@2100438 1711503
1711504	DEVIATED DRILLING PLAN	LF@2100439 1711504
1712450	CORRESPONDENCE	LF@2128995 1712450
1814075	MINERAL LEASE MAP	LF@2100477 1814075

Total Attach: 8 Files