

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:

400072245

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 CORPORATION4. COGCC Operator Number: 100795. Address: 1625 17TH ST STE 300City: DENVER State: CO Zip: 802026. Contact Name: Hannah Knopping Phone: (303)357-6412 Fax: (303)357-7315Email: hknopping@anteroresources.com7. Well Name: Fenno Ranch Well Number: A1

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

9. Proposed Total Measured Depth: 6743

WELL LOCATION INFORMATION

10. QtrQtr: NESW Sec: 31 Twp: 5S Rng: 91W Meridian: 6Latitude: 39.570775 Longitude: -107.648359
 Footage at Surface: 2442 FNL/FSL FSL 2384 FEL/FWL FWL
11. Field Name: Wildcat Field Number: 9999912. Ground Elevation: 5790 13. County: GARFIELD

14. GPS Data:

Date of Measurement: 06/22/2010 PDOP Reading: 2.4 Instrument Operator's Name: Scott E. Aibner15. If well is ☒ Directional ☐ Horizontal (highly deviated) **submit deviated drilling plan.**
 Footage at Top of Prod Zone: FNL/FSL 2562 FNL 2037 FEL 2562 FNL 2037 FEL
 Bottom Hole: FNL/FSL 2562 FNL 2037 FEL
 Sec: 31 Twp: 5S Rng: 91W Sec: 31 Twp: 5S Rng: 91W
16. Is location in a high density area? (Rule 603b)? ☐ Yes ☒ No17. Distance to the nearest building, public road, above ground utility or railroad: 396 ft18. Distance to nearest property line: 408 ft 19. Distance to nearest well permitted/completed in the same formation: 5280 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	unspaced		
Williams Fork	WMFK	unspaced		

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):
 Section 31, T5S, R91W: NW/4, S/2NW/4NE/4, SW/4NE/4NE/4, SW/4NE/4, W/2SE/4NE/4, NW/4NE/4SE/4, NW/4SE/4, E/2NE/4SW/4.
 (see attaced lease map)

25. Distance to Nearest Mineral Lease Line: 1034 ft 26. Total Acres in Lease: 288

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: Onsite if meet Table 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	Weight Per Foot	Setting Depth	Sacks Cement	Cement Bottom	Cement Top
CONDUCTOR	24	16	55#	60	177	60	0
SURF	12+1/4	8+5/8	24/32#	1,000	416	1,000	0
1ST	7+7/8	4+1/2	11.6#	6,743	599	6,743	

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

33. Comments First String/Production TOC will be greater than 200 feet above top of gas.

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: Permit Representative Date: _____ 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: _____ Director of COGCC Date: _____

API NUMBER
05

Permit Number: _____ Expiration Date: _____

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.

Attachment Check List

Att Doc Num	Name	Doc Description
400072860	LEASE MAP	Lease Map_COGCC.pdf
400072896	SURFACE AGRMT/SURETY	Fenno Ranch SUA - Redacted.pdf
400072971	TOPO MAP	Fenno Ranch A Pad_Access Road Map.pdf
400072972	WELL LOCATION PLAT	Fenno A1 surface location plat.pdf
400072973	DEVIATED DRILLING PLAN	Fenno A1 P01.pdf
400072974	30 DAY NOTICE LETTER	Fenno Ranch A Pad_30 Day Letter.pdf

Total Attach: 6 Files