

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:

400281066

Date Received:

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 ☐

PluggingBond SuretyID

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: Shauna Redican Phone: (303)357-6820 Fax: (303)357-7315

Email: sredican@anteroresources.com

7. Well Name: Valley Farms Well Number: F-1H

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

9. Proposed Total Measured Depth: 14075

WELL LOCATION INFORMATION

10. QtrQtr: NWSW Sec: 14 Twp: 6S Rng: 92W Meridian: 6

Latitude: 39.525893 Longitude: -107.642786

Footage at Surface: 2198 feet FSL 275 feet FSL 275 feet FSL

11. Field Name: MAMM CREEK Field Number: 52500

12. Ground Elevation: 5618 13. County: GARFIELD

14. GPS Data:

Date of Measurement: 03/25/2012 PDOP Reading: 2.5 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: 2198 FNL 275 FNL 1104 FNL 1953 FNL
Sec: 14 Twp: 6S Rng: 92W Sec: 11 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: 430 ft

18. Distance to nearest property line: 230 ft 19. Distance to nearest well permitted/completed in the same formation(BHL): 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.)
Cameo	CME0		239	See Unit Plat
Williams Fork	WFMK		239	See Unit Plat

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):

See attached Unit Boundary Location Plat

25. Distance to Nearest Mineral Lease Line: 650 ft

26. Total Acres in Lease: 239

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 app (See

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	20	16	55#	0	60	177	60	0
SURF	15	13+3/8	54.5#	0	1,000	262	1,000	0
1ST	12+1/4	9+5/8	36#	0	3,300	734	3,300	1,400
2ND	8+3/4	5+1/2	20#	0	11,356	2,073	11,356	

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

33. Comments Please note: this well was formerly named Valley Farms F23 and has been re-named Valley Farms F-1H. A Form 2A for pad expansion was submitted on 4/27/12, see DOC# 400276356. I certify that all conditions in the original permit are the same except the updated well name, SHL, BHL, mineral lease information, horizontal deviated drilling plan and casing and cement program. #19 - The distance to the nearest well permitted in the same formation is greater than 5280'. #24-Distance to nearest mineral lease line is the distance to proposed unit boundary line (see unit boundary location plat). Docket No. 1205-UP-137 is for the proposed spacing unit boundary hearing schedule May 29, 2012. The location is not in a wildlife restricted surface occupancy area (RSO); consultation with CDOW is not required and the location does not require a variance from any of the rules listed in Rule 306.d. (1).(A).(ii).; consultation with CDPHE is not required. EXCEPTION REQUEST FOR SURFACE CASING: Antero requests approval of an exception to the surface casing requirements of the COGCC's Garfield County Notice to Operators policy. The policy requires that surface casing be set to a depth at least 10% of the well's TD. We are requesting to set the surface casing shallower @ 1,000' since we have an intermediate casing string set @ 3,300'. 31 Mud Disposal: Antero will bury onsite if disposal meets Table 910 and if there is a provision in SUA which allows for such operation. TOP OF CEMENT OF 2nd STRING/PRODUCTION CASING WILL BE >500 FEET ABOVE TOP OF GAS.

34. Location ID: 335538

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: Shauna Redican

Title: Permit Representative

Date: _____

Email: sredican@anteroresources.com

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

05 045 18286 00

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
400281299	PLAT
400281300	LEASE MAP
400281318	DEVIATED DRILLING PLAN
400281324	DIRECTIONAL DATA
400281735	30 DAY NOTICE LETTER

Total Attach: 5 Files

General Comments

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

Total: 0 comment(s)

BMP

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

Total: 0 comment(s)