


<b>FORM</b> <b>2</b> Rev 12/05	<b>State of Colorado</b> <b>Oil and Gas Conservation Commission</b> 1120 Lincoln Street, Suite 801, Denver, Colorado 80205 Phone: (303) 894-2100 Fax: (303) 894-2109		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">DE</td> <td style="width: 25%;">ET</td> <td style="width: 25%;">OE</td> <td style="width: 25%;">ES</td> </tr> </table>	DE	ET	OE	ES
DE	ET	OE	ES				
<b>APPLICATION FOR PERMIT TO:</b>			Document Number:  400097555  Plugging Bond Surety  20040071				
1. <input checked="" type="checkbox"/> <b>Drill,</b> <input type="checkbox"/> Deepen, <input type="checkbox"/> Re-enter, <input type="checkbox"/> Recomplete and Operate							
2. TYPE OF WELL OIL <input type="checkbox"/> GAS <input checked="" type="checkbox"/> COALBED <input type="checkbox"/> OTHER _____ SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input checked="" type="checkbox"/> COMMINGLE ZONE <input checked="" type="checkbox"/>		Refiling <input type="checkbox"/> Sidetrack <input type="checkbox"/>					
3. Name of Operator: <u>ANTERO RESOURCES PICEANCE CORPORATION</u> 4. COGCC Operator Number: <u>10079</u>							
5. Address: <u>1625 17TH ST STE 300</u> City: <u>DENVER</u> State: <u>CO</u> Zip: <u>80202</u>							
6. Contact Name: <u>Hannah Knopping</u> Phone: <u>(303)357-6412</u> Fax: <u>(303)357-7315</u> Email: <u>hknopping@anteroresources.com</u>							
7. Well Name: <u>BAT</u> Well Number: <u>33C-18-07-95</u>							
8. Unit Name (if appl): _____    Unit Number: _____							
9. Proposed Total Measured Depth: <u>6678</u>							
<b>WELL LOCATION INFORMATION</b>							
10. QtrQtr: <u>SESE</u> Sec: <u>18</u> Twp: <u>7S</u> Rng: <u>95W</u> Meridian: <u>6</u> Latitude: <u>39.431236</u> Longitude: <u>-108.033249</u>							
Footage at Surface: <u>296</u> feet    FNL/FSL <u>FSL</u> 825 feet    FEL/FWL <u>FEL</u>							
11. Field Name: <u>Parachute</u> Field Number: <u>67350</u>							
12. Ground Elevation: <u>5441</u> 13. County: <u>GARFIELD</u>							
14. GPS Data: Date of Measurement: <u>09/17/2010</u> PDOP Reading: <u>3.0</u> Instrument Operator's Name: <u>Elwood Barry Giles</u>							
15. If well is <input checked="" type="checkbox"/> Directional <input type="checkbox"/> Horizontal (highly deviated) <b>submit deviated drilling plan.</b> Footage at Top of Prod Zone:    FNL/FSL    FEL/FWL    Bottom Hole:    FNL/FSL    FEL/FWL <u>1651</u> <u>FSL</u> <u>1960</u> <u>FEL</u> <u>1651</u> <u>FSL</u> <u>1960</u> <u>FEL</u> Sec: <u>18</u> Twp: <u>7S</u> Rng: <u>95W</u> Sec: <u>18</u> Twp: <u>7S</u> Rng: <u>95W</u>							
16. Is location in a high density area? (Rule 603b)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No							
17. Distance to the nearest building, public road, above ground utility or railroad: <u>367 ft</u>							
18. Distance to nearest property line: <u>497 ft</u> 19. Distance to nearest well permitted/completed in the same formation: <u>275 ft</u>							
<b>20. LEASE, SPACING AND POOLING INFORMATION</b>							
Objective Formation(s)	Formation Code	Spacing Order Number(s)	Unit Acreage Assigned to Well	Unit Configuration (N/2, SE/4, etc.)			
Iles	ILES	440-60	320	S/2			
Williams Fork	WMFK	440-60	320	S/2			

**IMPORTANT: SOME DATA FIELDS HAVE BEEN MODIFIED.**

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 mineral lease map

25. Distance to Nearest Mineral Lease Line: 333 ft 26. Total Acres in Lease: 75

**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 meet Tbl 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	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	8+5/8	24/32#		2,200	834	2,200	0
1ST	7+7/8	4+1/2	11.6#		6,678	730	6,678	

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

33. Comments First String/Production TOC will be >200 feet above Top of Gas. NOTE: Antero Resources (applicant) is the surface owner of the SESE of Section 18-T7S-R95W and a portion of the N2NENE of Section 19-T7S-R95W, where the subject well pad will be located and therefore no 30-Day Letter or SUA have been 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: Permit Representative Date: 10/27/2010 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: 3/25/2011

**API NUMBER**

05 045 20531 00

Permit Number: \_\_\_\_\_ Expiration Date: 3/24/2013

**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.**

1.COMPLIANCE WITH THE MOST CURRENT REVISION OF THE NORTHWEST COLORADO NOTIFICATION POLICY IS REQUIRED.

2.PRODUCTION CASING CEMENT TOP VERIFICATION BY CBL REQUIRED.

3.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 THE ELEVATION DIFFERENCES. THE DEEPEST WATER WELL WITHIN 1 MILE IS 180 FEET DEEP.

### **Attachment Check List**

Att Doc Num	Name
400097555	FORM 2 SUBMITTED
400097649	WELL LOCATION PLAT
400097755	MINERAL LEASE MAP
400102055	DEVIATED DRILLING PLAN
400103703	ACCESS ROAD MAP

Total Attach: 5 Files

### **General Comments**

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

Total: 0 comment(s)

### **BMP**

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

Total: 0 comment(s)