

Antero Resources
Well No. Northrop Unit 2H
Antero Resources Corporation

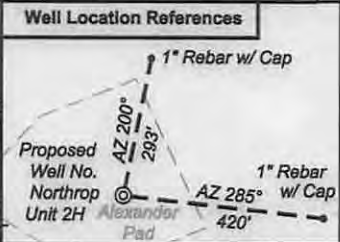
Bearing	Dist.
L1 S 54°15' W	324.5'
L2 N 44°45' W	757.9'
L3 N 66°39' W	647.8'
L4 N 36°17' E	1380.0'
L5 N 25°43' W	999.7'

7,386' to Top Hole
 4,428' to Bottom Hole
TOP HOLE LATITUDE 39 - 22 - 30
BTM HOLE LATITUDE 39 - 20 - 00

Notes:
 West Virginia Coordinate System of 1927, North Zone based upon Differential GPS Measurements.
 Well No. Northrop Unit 2H Top Hole coordinates are
 N: 306,932.39' Latitude: 39°20'08.45"
 E: 1,639,258.62' Longitude: 80°46'31.47"
 Bottom Hole coordinates are
 N: 298,973.59' Latitude: 39°18'50.18"
 E: 1,642,005.06' Longitude: 80°45'55.09"
UTM Zone 17, NAD 1983
 Top Hole Coordinates Bottom Hole Coordinates
 N: 4,354,061.739m N: 4,351,651.053m
 E: 519,370.422m E: 520,247.572m
 Plat orientation and corner and well references are based upon the grid north meridian.
 Well location references are based upon the magnetic meridian.

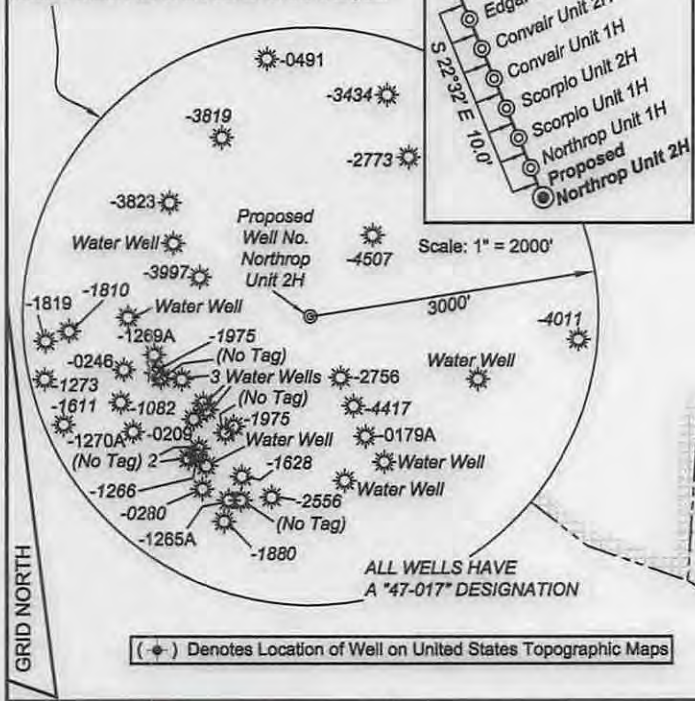


No.	Par	Tax Map 4 Owner	Bk/Pg	Acres
1	-	Matthew W. Alexander & Linda Marie Muhly	320 / 629	4.50
2	32	Matthew W. Alexander & Linda Marie Muhly	241 / 412	63.94
3	30	Kathryn J. Sisler, et al	211 / 302	30.50
4	34.3	Allen Kendall Jones	167 / 68	54.0



- Legend**
- ⊙ Proposed gas well
 - ⊙ Found corner, as noted
 - - - Creek or Drain
 - - - Existing Road
 - Surface boundary (approx.)
 - - - Surface tracts (approx.)

Note: 9 water wells were found within 2000' of proposed well. No occupied dwellings or buildings 2,500 square feet or larger used to house or shelter dairy cattle or poultry husbandry are located within 625' of the center of the well pad.



ALL WELLS HAVE A "47-017" DESIGNATION
 (+) Denotes Location of Well on United States Topographic Maps



I, the undersigned, hereby certify that this plat is correct to the best of my knowledge and belief and shows all the information required by law and the rules issued and prescribed by the Department of Environmental Protection.

Kenneth J. Plum
Kenneth J. Plum, P.S. 2216



FILE NO: 48-30-WU-14
 DRAWING NO: 48-14 Northrop 2H Well Plat
 SCALE: 1" = 1200'
 MINIMUM DEGREE OF ACCURACY: Submeter
 PROVEN SOURCE OF ELEVATION: WVDOT, Harrisville, WV

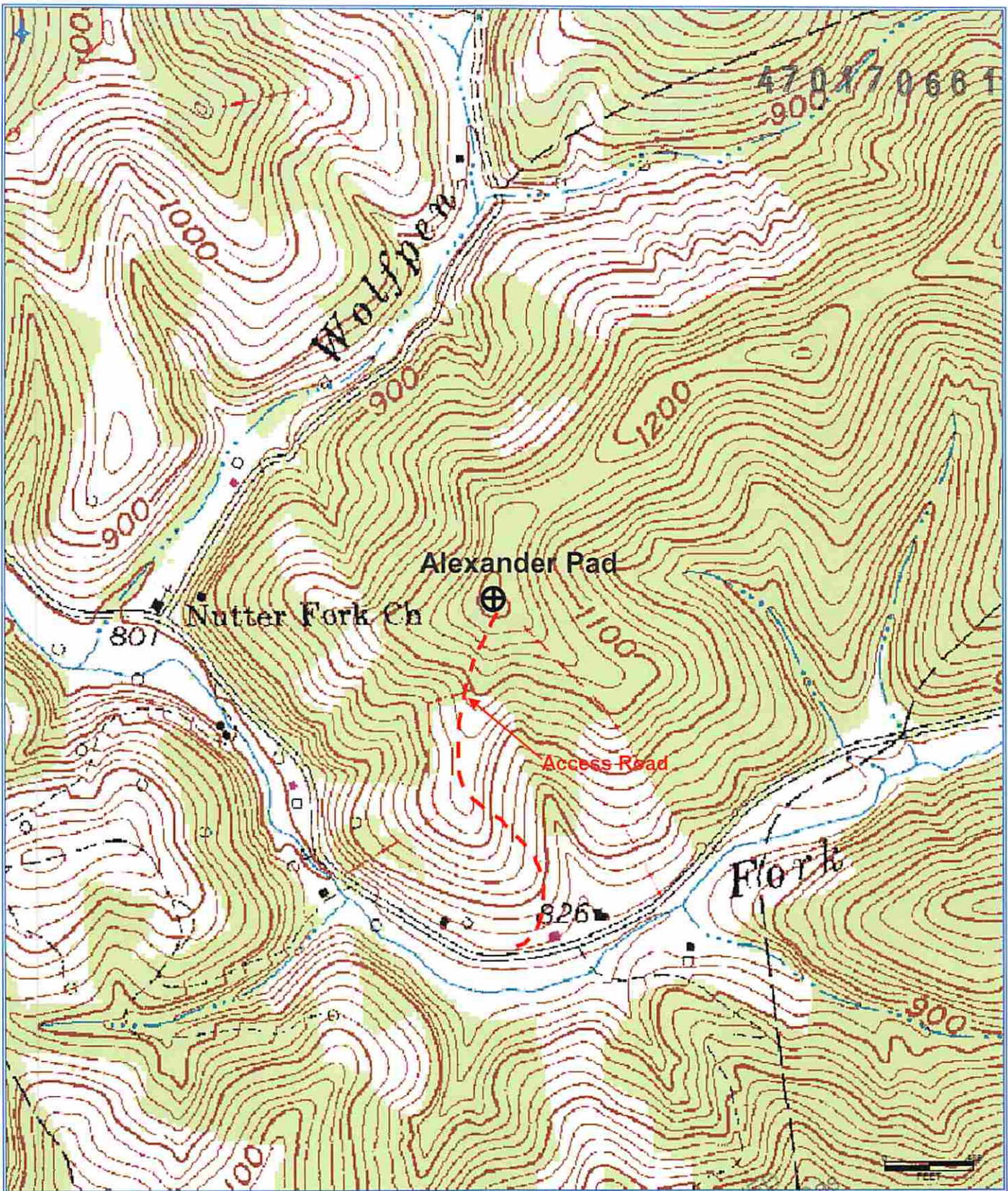
STATE OF WEST VIRGINIA
 DEPARTMENT OF ENVIRONMENTAL PROTECTION
OIL AND GAS DIVISION

DATE: August 1 20 14
 Operator's Well No. Northrop Unit 2H
 API WELL NO **H6A**
 47 - 017 - **0606**
 STATE COUNTY PERMIT

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF GAS) PRODUCTION: STORAGE DEEP SHALLOW
 LOCATION: ELEVATION: 1181' WATERSHED: Nutter Fork of Middle Island Creek QUADRANGLE: West Union
 DISTRICT: West Union COUNTY: Doddridge
 SURFACE OWNER: Matthew W. Alexander & Linda Marie Muhly William A. Farr; Carole Hanlon Charles C. Smith, et al; William Ashburn Heirs ACREAGE: 63.94 450; 71.5 45.8; 120
 ROYALTY OWNER: Larry Williams; Charles Williams by Randy Williams, A.I.F.; Joseph Freeman, et ux LEASE NO: ACREAGE: 428.51; 67; 600
 PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY)
 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 7,500' TVD 16,400' MD

WELL OPERATOR: Antero Resources Corporation DESIGNATED AGENT: Dianna Stamper - CT Corporation System
 ADDRESS: 1615 Wynkoop Street ADDRESS: 5400 D Big Tyler Road
 Denver, CO 80202 Charleston, WV 25313

11/21/2014



Antero Resources Corporation
Appalachian Basin
Northrop Unit 2H
Doddridge County

Quadrangle: West Union
Watershed: Middle Island Creek
District: West Union
Date: 6-2-2014

RECEIVED
Ohio Dept of Public Safety
5/29/14
WV Department of
Environmental Protection