

2,612' to Bottom Hole

Antero Resources
Well No. Mirth Unit 2H
Antero Resources
Appalachian Corporation

TOP LATITUDE 39 - 12 - 30
BTM LATITUDE 39 - 10 - 00

Bottom Hole
7.5' Spot

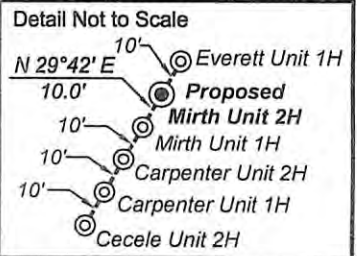
Scale: 1" = 2000'

TOP LONGITUDE 80 - 30 - 00
BTM LONGITUDE 80 - 30 - 00

1,494' to Bottom Hole

8,791' to Top Hole

GRID NORTH



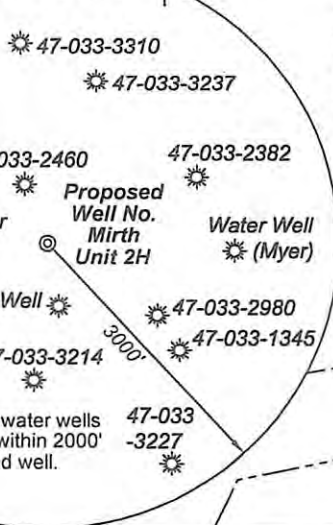
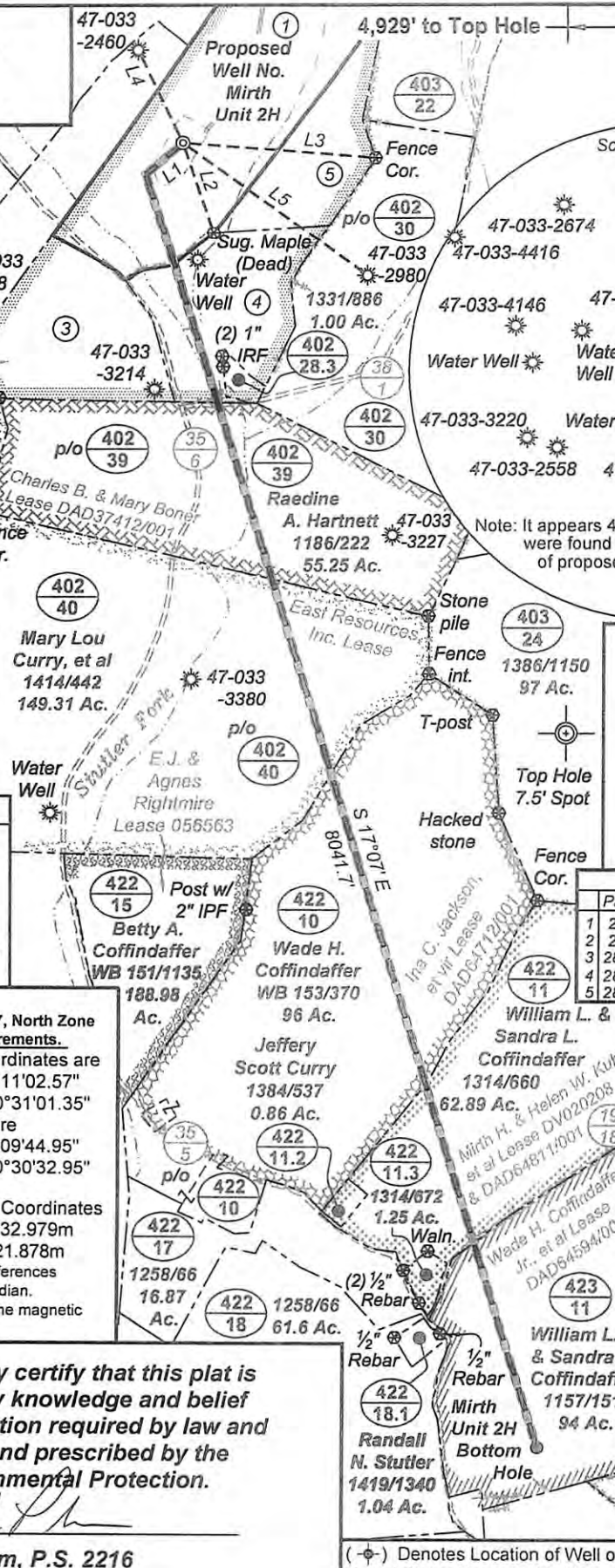
Legend

- Proposed gas well
- Found corner, as noted
- Creek or Drain
- Existing Road
- Surface boundary (approx.)
- Interior surface tracts (approx.)
- Existing Fenceline

Notes:
West Virginia Coordinate System of 1927, North Zone based upon Differential GPS Measurements.
Well No. Mirth Unit 2H Top Hole coordinates are N: 250,775.88' Latitude: 39°11'02.57" E: 1,711,707.54' Longitude: 80°31'01.35"
Bottom Hole coordinates are N: 242,898.28' Latitude: 39°09'44.95" E: 1,713,855.37' Longitude: 80°30'32.95"
UTM Zone 17, NAD 1983
Top Hole Coordinates Bottom Hole Coordinates
N: 4,337,321.989m N: 4,334,932.979m
E: 541,727.549m E: 542,421.878m
Plat orientation and corner and well references are based upon the grid north meridian.
Well location references are based upon the magnetic meridian.

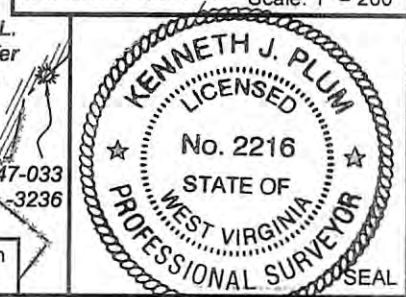
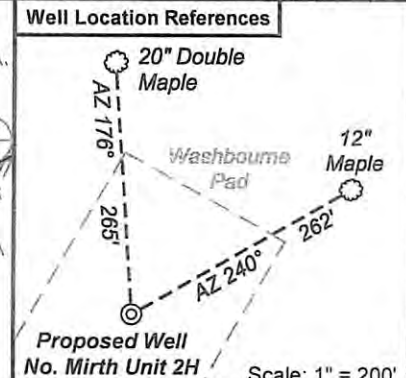
I, the undersigned, hereby certify that this plat is correct to the best of my knowledge and belief and shows all the information required by law and the regulations issued and prescribed by the Department of Environmental Protection.

Kenneth J. Plum, P.S. 2216



Tax Map 402 Parcels

Par	Owner	Bk/Pg	Acres
1 28	Richard B. Washbourne	1312/1263	46.57
2 26	Cecelia M. Cecil	1309/885	24.86
3 28.4	Timothy W Butcher	1453/983	22.09
4 28.1	Carroll G. Dean Jr.	1437/1065	19
5 28.2	Carroll G. Dean Jr.	1437/1065	13.34



FILE NO: 184-36-U-12
DRAWING NO: 184-12 Mirth 2H Well Plat
SCALE: 1" = 1000'
MINIMUM DEGREE OF ACCURACY: Submeter
PROVEN SOURCE OF ELEVATION: WVDOT, Bridgeport, WV

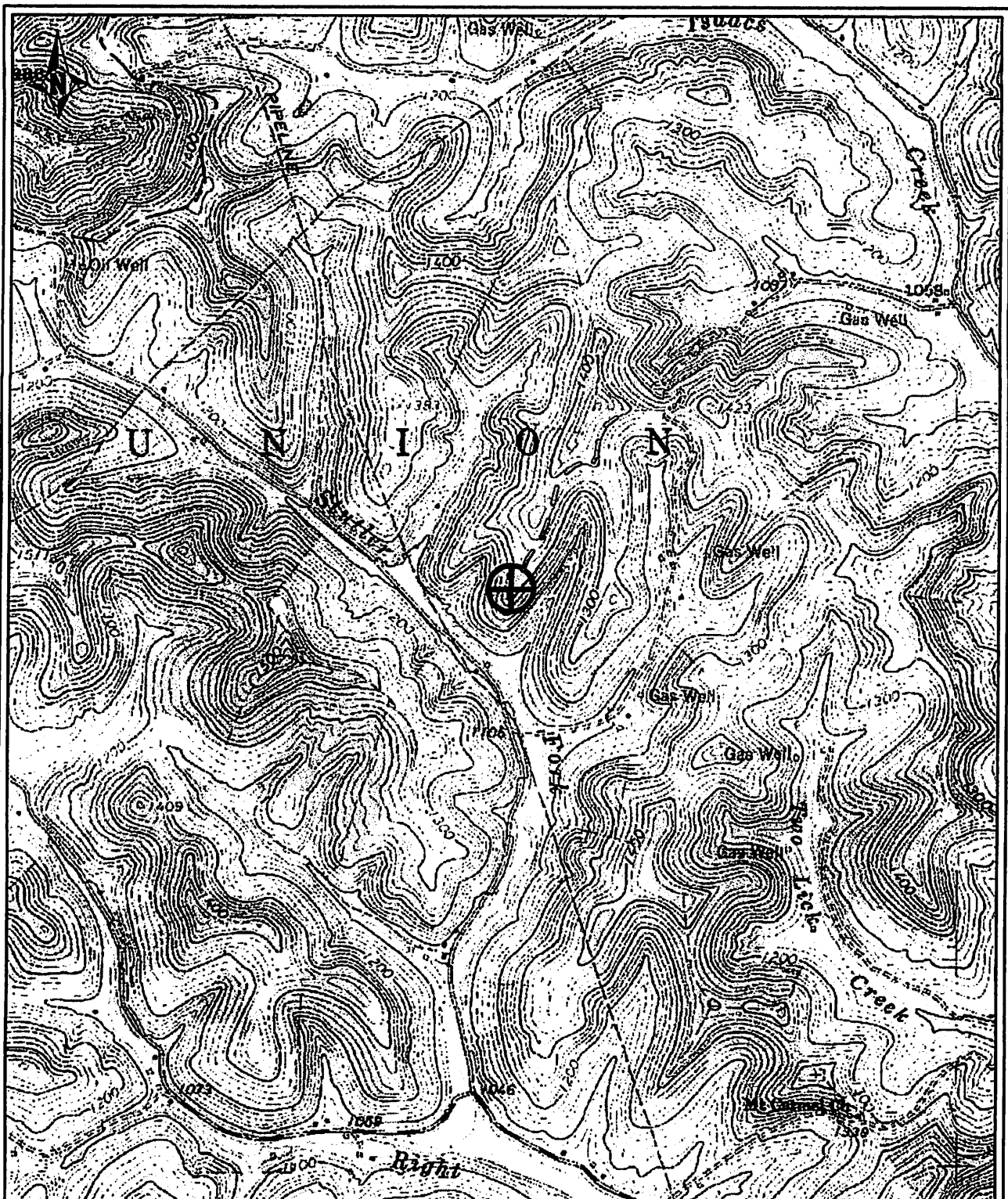
STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OIL AND GAS DIVISION

DATE: September 4 20 12
OPERATOR'S WELL NO. Mirth Unit 2H
API WELL NO
47 - 033 - 5097 HCA
STATE COUNTY PERMIT

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
(IF GAS) PRODUCTION: STORAGE DEEP SHALLOW
LOCATION: ELEVATION: 1292' WATERSHED: Stutler Fork QUADRANGLE: Big Isaac
DISTRICT: Union Wade H. Coffindaffer Jr., et al; DAD64594/001 COUNTY: Harrison
SURFACE OWNER: Richard B. Washbourne East Resources, Inc.; Ina C. Jackson, et vir; DAD37412/001; DAD36582/001 ACREAGE: 46.57 56; 102; 94;
ROYALTY OWNER: Mirth H. & Helen W. Kuhl, et al; Mildred D. & Carl N. Posey; DVO20208 & DAD64811/001 LEASE NO: DAD64712/001 ACREAGE: 64-1/2; 89-3/4; 247
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: 7,400' TVD 16,000' MD


WELL OPERATOR: Antero Resources Appalachian Corporation DESIGNATED AGENT: Dianna Stamper - CT Corporation System
ADDRESS: 1625 17th Street ADDRESS: 5400 D Big Tyler Road
Denver, CO 80202 Charleston, WV 25313

12/14/2012



PETRA 9/6/2012 10:26:12 AM

SEP 23 2012

Antero Resources Corporation
Appalachia Basin
Washbourne Pad
Mirth Unit 2H
Doddridge County
 <p>0 2,000 FEET</p>
<p>REMARKS <small>QUADRANGLE: BOISEAC DISTRICT: UNION WATERSHED: STUTLER FORK</small></p>
<p>September 6, 2012</p>