

FILE NO: 186-36-U-12
 DRAWING NO: 186-12 Carpenter 1H Well
 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: June 6 2013
 OPERATOR'S WELL NO. Carpenter Unit 1H
 API WELL NO. **MOD**
 47 - 033 - **05689H6A**
 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
 SURFACE OWNER: Richard B. Washbourne
 ROYALTY OWNER: Mildred D. & Carl N. Posey; F.C. Currey, et ux, et al; Thaddeus Currey, et al
 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: 18,000' 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

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.

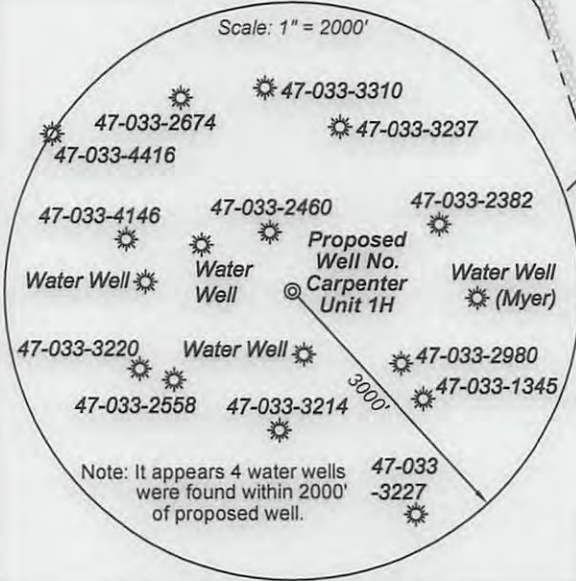
Kenneth J. Plum
 Kenneth J. Plum, P.S. 2216



Antero Resources
 Well No. Carpenter Unit 1H
 Antero Resources
 Appalachian Corporation

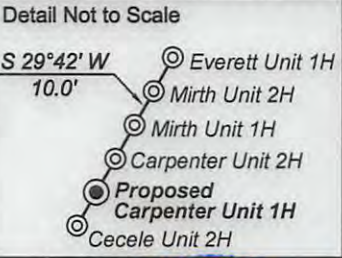
Well Location References
 Scale: 1" = 200'

Notes:
 West Virginia Coordinate System of 1927, North Zone based upon Differential GPS Measurements.
 Well No. Carpenter Unit 1H Top Hole coordinates are
 N: 250,749.82' Latitude: 39°11'02.31"
 E: 1,711,692.68' Longitude: 80°31'01.53"
 Bottom Hole coordinates are
 N: 259,768.90' Latitude: 39°12'31.11"
 E: 1,708,677.91' Longitude: 80°31'41.13"
 UTM Zone 17, NAD 1983
 Top Hole Coordinates Bottom Hole Coordinates
 N: 4,337,313.974m N: 4,340,046.337m
 E: 541,723.154m E: 540,758.902m
 Plat orientation and corner and well references are based upon the grid north meridian.
 Well location references are based upon the magnetic meridian.



Tax Map 402 Parcels

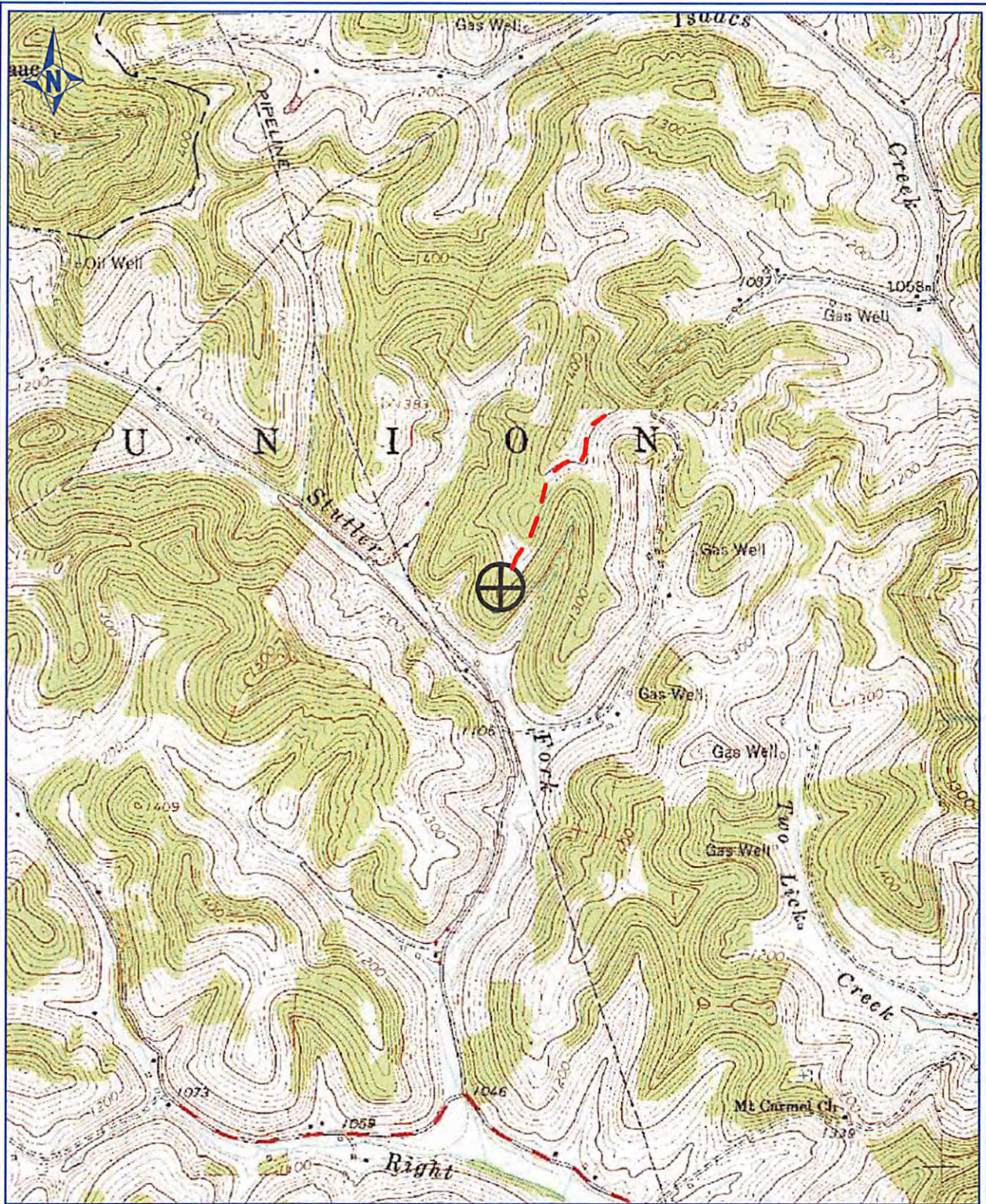
Par	Owner	Bk/Pg	Acres
1	28.2 Carrol Jr. & Carolyn Dean	1437/1065	13.34
2	28 Richard B. Washbourne	1312/1263	46.57
3	26 Cecelia M. Cecil	1309/885	24.86
4	9 Richard B. Washbourne	1203/512	28.22
5	10 James II & Terecia Riffle	1338/1143	24.64



Legend

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

	Bearing	Dist.
L1	N 70°56' W	275.2'
L2	S 23°14' E	634.8'
L3	N 86°49' W	1167.0'
L4	S 66°31' W	1652.4'
L5	S 46°16' W	1597.6'



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Antero Resources Corporation

Appalachia Basin

Washbourne Pad

Carpenter Unit 1H

Doddrige County

0 2,000

FEET

REMARKS
 QUADRANGLE: BIG ISAAC
 DISTRICT: UNION
 WATERSHED: STUTLER FORK

By ECM

September 6, 2012

RECEIVED
 Office of Oil & Gas
 SEP 28 2012
 WV Department of Environmental Protection