

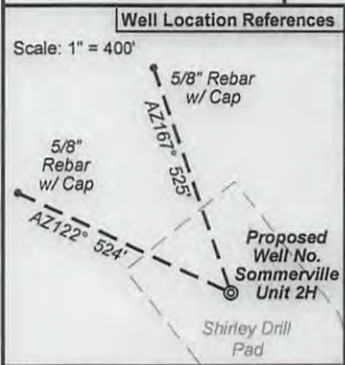
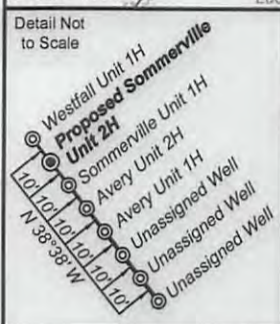
Note: It appears 7 water wells were found within 2000' of proposed well. No occupied dwellings or buildings 2,500 square feet or larger used to house or shelter dairy cattle or poultry husbandry are located within 625' of the center of the well pad.



**Legend**

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

Bearing	Distance
L1 S 67°34' E	578.4'
L2 N 89°42' W	942.1'
L3 S 47°46' W	1391.8'
L4 S 00°54' W	1103.9'
L5 N 61°17' E	1195.4'



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

**Notes:**  
West Virginia Coordinate System of 1927, North Zone based upon Differential GPS Measurements.  
Well No. Somerville Unit 2H Top Hole coordinates are  
N: 261,119.99' Latitude: 39°12'44.67"  
E: 1,710,524.03' Longitude: 80°31'17.87"  
Bottom Hole coordinates are  
N: 269,618.92' Latitude: 39°14'08.52"  
E: 1,709,136.27' Longitude: 80°31'36.74"  
**UTM Zone 17, NAD 1983**  
Top Hole Coordinates Bottom Hole Coordinates  
N: 4,340,467.329m N: 4,343,049.498m  
E: 541,314.474m E: 540,848.530m  
Plat orientation and corner and well references are based upon the grid north meridian.  
Well location references are based upon the magnetic meridian.

FILE NO: 310-36-U-12  
DRAWING NO: 310-12 Somerville 2H Well  
SCALE: 1" = 1200'  
MINIMUM DEGREE OF ACCURACY: Submeter  
PROVEN SOURCE OF ELEVATION: WVDOT, Bridgeport, WV

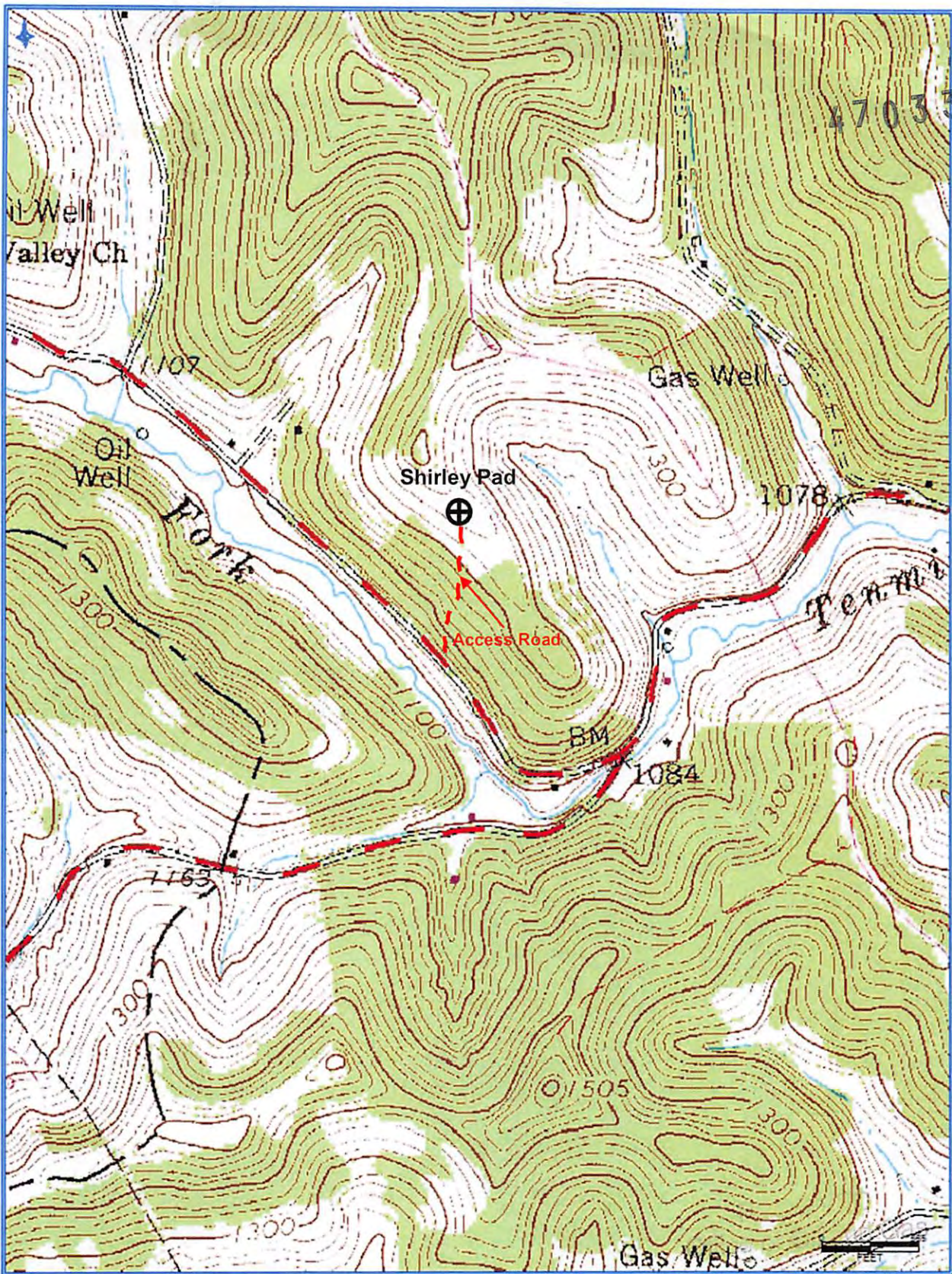
**STATE OF WEST VIRGINIA**  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
**OIL AND GAS DIVISION**

DATE: October 29 2013  
OPERATOR'S WELL NO. Somerville Unit 2H  
API WELL NO  
47 - 033 - 05799 H6A  
STATE COUNTY PERMIT

WELL TYPE:  OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL  
(IF GAS) PRODUCTION:  STORAGE  DEEP  SHALLOW  
LOCATION: ELEVATION: 1328' WATERSHED: Tenmile Creek QUADRANGLE: Big Isaac  
DISTRICT: Union COUNTY: Harrison  
SURFACE OWNER: Shirley Jo Davis ACREAGE: 87.70  
ROYALTY OWNER: Douglas Roy Meister; Freda M. Allman; Sally D. Federer; Jean Elizabeth King LEASE NO: 21443; DAD65592/001 ACREAGE: 22.75; 112.64; 48.3  
PROPOSED WORK:  DRILL  CONVERT  DRILL DEEPER  FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION  
 PERFORATE NEW FORMATION  OTHER PHYSICAL CHANGE IN WELL (SPECIFY) 7,500' TVD  
 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 16,200' MD

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

01/17/2014



4703305799  
 Plat spotted  
 CIV

**Antero Resources Corporation**

Appalachian Basin

Sommerville Unit 2H

Harrison County

Quadrangle: Big Isaac

Watershed: Headwaters Tennile Creek

District: Union

Date: 9-11-2013

NOV 14 2013  
 Department of  
 Environmental Protection