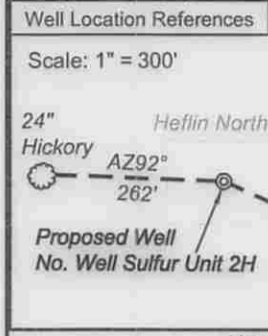


Line	Bearing	Dist.
L1	S 54°18' E	864.9'
L2	S 34°41' W	938.9'
L3	N 64°05' E	1789.8'
L4	S 69°23' E	1007.2'
L5	S 86°18' E	1108.2'



**Notes:**  
 West Virginia Coordinate System of 1927, North Zone based upon Differential GPS Measurements.  
 Well No. Sulfur Unit 2H Top Hole coordinates  
 N: 257,982.70' Latitude: 39°12'12.68"  
 E: 1,701,908.05' Longitude: 80°33'06.86"  
 Bottom Hole coordinates  
 N: 252,262.52' Latitude: 39°11'16.48"  
 E: 1,704,794.97' Longitude: 80°32'29.35"  
 UTM Zone 17, NAD 1983  
 Top Hole Coordinates Bottom Hole Coordinates  
 N: 4,339,467.771 m N: 4,337,739.781 m  
 E: 538,705.497 m E: 539,614.054 m  
 Plat orientation and corner and well references are based upon the grid north meridian.  
 Well location references are based upon the magnetic meridian.

Par.	Tax Map 15 Owner	Bk/Pg	Acres
1	12.4 Darrell & Frances Richards	234/53	1.21
2	12.3 Darrell & Frances Richards	216/687	0.82
Par.	Tax Map 11 Owner	Bk/Pg	Acres
3	37.4 David P. Morrison	226/399	1.51
4	37.2 John Russell Clowser	296/700	0.48
5	37.7 Earl Richards (LE)	258/200	5.36
6	37.6 Earl Richards (LE)	258/194	2.00
7	37.3 Darrell R. & Frances Christine Richards	282/249	3.87
8	41 Karl & Stacie Rowlands	264/478	1.50
9	37.1 Trustees of the Big Isaac Cemetery	240/307	2.40
10	32 Virginia C. Cavezza, et al	WB23/602	22.0
11	41 Karl & Stacie Rowlands	264/478	1.50
Par.	Tax Map 16 Owner	Bk/Pg	Acres
12	1 Judy E. Bee	277/250	24.0
13	5 Darrel R. Richards	266/338	1.514

FILE NO: 349-30-G-12  
 DRAWING NO: 349-12 Sulfur 2H  
 SCALE: 1" = 1000'  
 MINIMUM DEGREE OF ACCURACY: Submeter  
 PROVEN SOURCE OF ELEVATION: WVDOT, Bridgeport, WV

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.

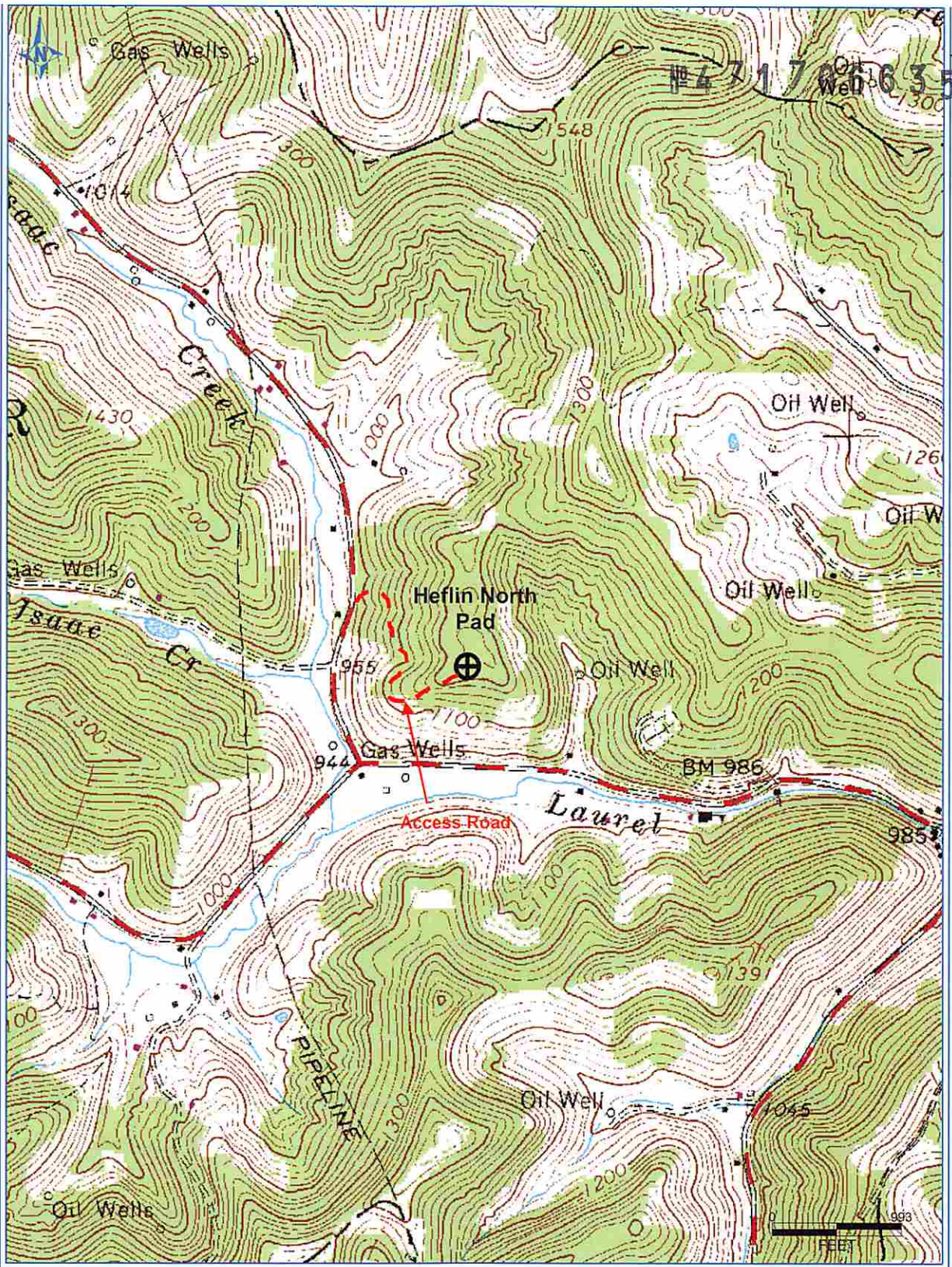
*Bradley D. Miller*  
 Bradley D. Miller, P.S. 2167

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

DATE: September 24 2014  
 OPERATOR'S WELL NO. Sulfur Unit 2H  
 API WELL NO. 47-017-06635  
 STATE COUNTY PERMIT

WELL TYPE:  OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL  
 (IF GAS) PRODUCTION:  STORAGE  DEEP  SHALLOW  
 LOCATION: ELEVATION: 1207.5' WATERSHED: Big Isaac Creek QUADRANGLE: Big Isaac  
 DISTRICT: Greenbrier COUNTY: Doddridge  
 SURFACE OWNER: Jeffrey J. Ford Bertha S. Post Willis L. Cumberledge, et ux ACREAGE: 90.74 130; 91.21;  
 ROYALTY OWNER: Jo Lynn Burge, et al; Emory L. Slussar, et ux; W. L. Slussar, et ux LEASE NO: 21447 ACREAGE: 90; 150; 23  
 PROPOSED WORK:  DRILL  CONVERT  DRILL DEEPER  FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION  
 PERFORATE NEW FORMATION  OTHER PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_ 7,400' TVD  
 PLUG AND ABANDON  CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 13,800' 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



PETRA 12/6/2013 2:06:26 PM

RECEIVED  
Office of Oil and Gas  
OCT. 03 2014  
WV Department of  
Environmental Protection

**Antero Resources Corporation**  
Appalachian Basin  
Sulfur Unit 1H & 2H  
Doddridge County  
Quadrangle: Big Isaac  
Watershed: Meathouse Fork  
District: Greenbrier  
Date: 12-06-2013