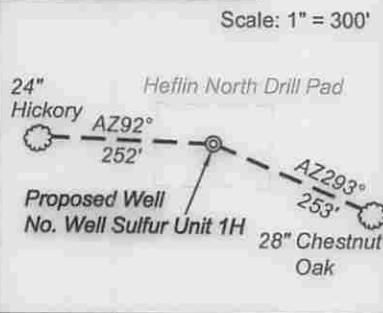


Line	Bearing	Dist.
L1	S 53°55' E	856.8'
L2	S 35°11' W	944.6'
L3	N 63°56' E	1780.9'
L4	S 69°10' E	997.8'
L5	S 73°38' E	461.0'

Well Location References



Notes:
 West Virginia Coordinate System of 1927, North Zone based upon Differential GPS Measurements.
 Well No. Sulfur Unit 1H Top Hole coordinates
 N: 257,982.70' Latitude: 39°12'12.68"
 E: 1,701,898.05' Longitude: 80°33'06.99"
 Bottom Hole coordinates
 N: 252,308.78' Latitude: 39°11'16.86"
 E: 1,704,088.36' Longitude: 80°32'38.33"
 UTM Zone 17, NAD 1983
 Top Hole Coordinates Bottom Hole Coordinates
 N: 4,339,467.720 m N: 4,337,750.284 m
 E: 538,702.451 m E: 539,398.547 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	Darrell & Frances Richards	234/53	1.21
2	Darrell & Frances Richards	216/687	0.82
Par.	Tax Map 11 Owner	Bk/Pg	Acres
3	David P. Morrison	226/399	1.51
4	John Russell Clowser	296/700	0.48
5	Earl Richards (LE)	258/200	5.36
6	Earl Richards (LE)	258/194	2.00
7	Darrell R. & Frances Christine Richards	282/249	3.87
8	Karl & Stacie Rowlands	264/478	1.50
9	Trustees of the Big Isaac Cemetery	240/307	2.40
10	Virginia C. Cavezza, et al	WB23/602	22.0
Par.	Tax Map 16 Owner	Bk/Pg	Acres
11	Judy E. Bee	277/250	24.0
12	Darrel R. Richards	266/338	15.01



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.

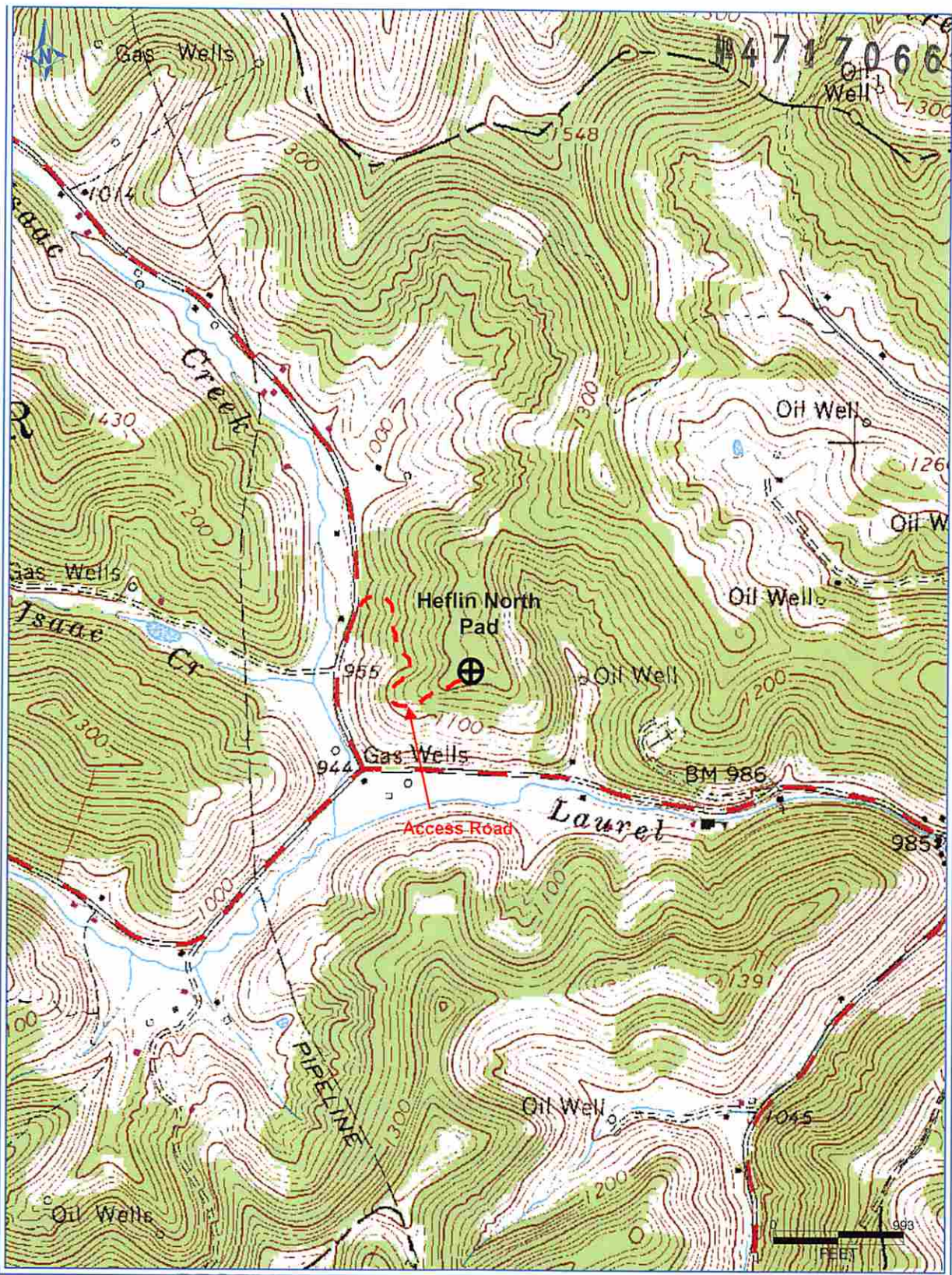
Bradley D. Miller
 Bradley D. Miller, P.S. 2167

FILE NO: 349-30-G-12
 DRAWING NO: 349-12 Sulfur 1H
 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 19 2014
 OPERATOR'S WELL NO. Sulfur Unit 1H
 API WELL NO. 47 - 017 - 06633 H6A
 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 WILLIS L. Cumberledge, et ux ACREAGE: 90.74
 RIDGEWOOD DEVELOPMENT, LLC
 ROYALTY OWNER: Jo Lynn Burge, et al; Emory L. Slussar, et ux; Bertha S. Post LEASE NO: 21447 ACREAGE: 130; 91.21; 72; 150
 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: 13,700' 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



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 Office of Oil and Gas
 OCT 06 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