

LATITUDE 39°17'30"

4,407'

9,093' TO BOTTOM HOLE

LATITUDE 39°20'00"

LONGITUDE 80°50'00"

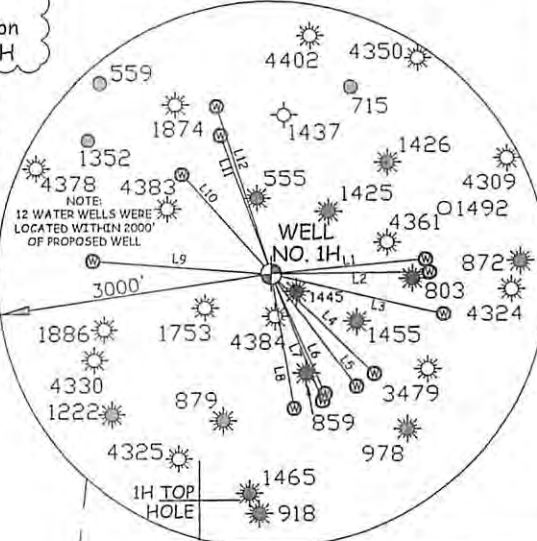
6,181'

13,894' TO BOTTOM HOLE

LONGITUDE 80°50'00"

Antero Resources Appalachian Corporation Well No. Maple Unit 1H

LINE	BEARING	DISTANCE
L1	N 84°43' E	1679.3
L2	N 89°29' E	1715.1
L3	S 76°43' E	1919.4
L4	S 45°39' E	1559.1
L5	S 37°02' E	1534.6
L6	S 24°03' E	1429.7
L7	S 21°49' E	1483.3
L8	S 09°34' E	1487.9
L9	N 85°41' W	1949.7
L10	N 41°09' W	1469.7
L11	N 19°34' W	1630.7
L12	N 17°34' W	1946.0



NOTES:
 WELL 1H TOP HOLE INFORMATION:
 N: 285,027ft E: 1,618,140ft
 LAT: 39°16'28.91" LON: 80°50'56.04"
 BOTTOM HOLE INFORMATION:
 N: 292,560ft E: 1,613,566ft
 LAT: 39°17'42.67" LON: 80°51'55.66"
 WEST VIRGINIA COORDINATE SYSTEM OF 1927 NORTH ZONE. ZONE WAS DERIVED FROM MEASUREMENTS TAKEN WITH TRIMBLE GEOXT SUBMETER MAPPING GRADE GPS UNIT. PLAT ORIENTATION, CORNER, AND WELL REFERENCE TIE LINES ARE BASED ON GRID NORTH.

(NAD) 83 (UTM) ZONE 17 COORDS:
 WELL 1H TOP HOLE INFORMATION:
 N: 4,347,281m E: 513,048m
 BOTTOM HOLE INFORMATION:
 N: 4,349,552m E: 511,616m

JOB # 12-102WA
 DRAWING # MAPLE1H
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY SUBMETER
 PROVEN SOURCE OF ELEV. SUBMETER MAPPING GRADE GPS

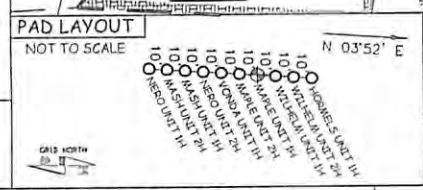
LEGEND
 - - - Surface Owner Boundary Lines +/-
 - - - Interior Surface Tracts +/-
 - - - Existing Fence
 ⊕ Monument, As specified

DOUGLAS R. ROWE P.S. 2202
 DATE 12/05/12
 OPERATOR'S WELL # MAPLE UNIT #1H
 API WELL # 47-017
 STATE COUNTY PERMIT HGA-Old 78

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 PERSCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.



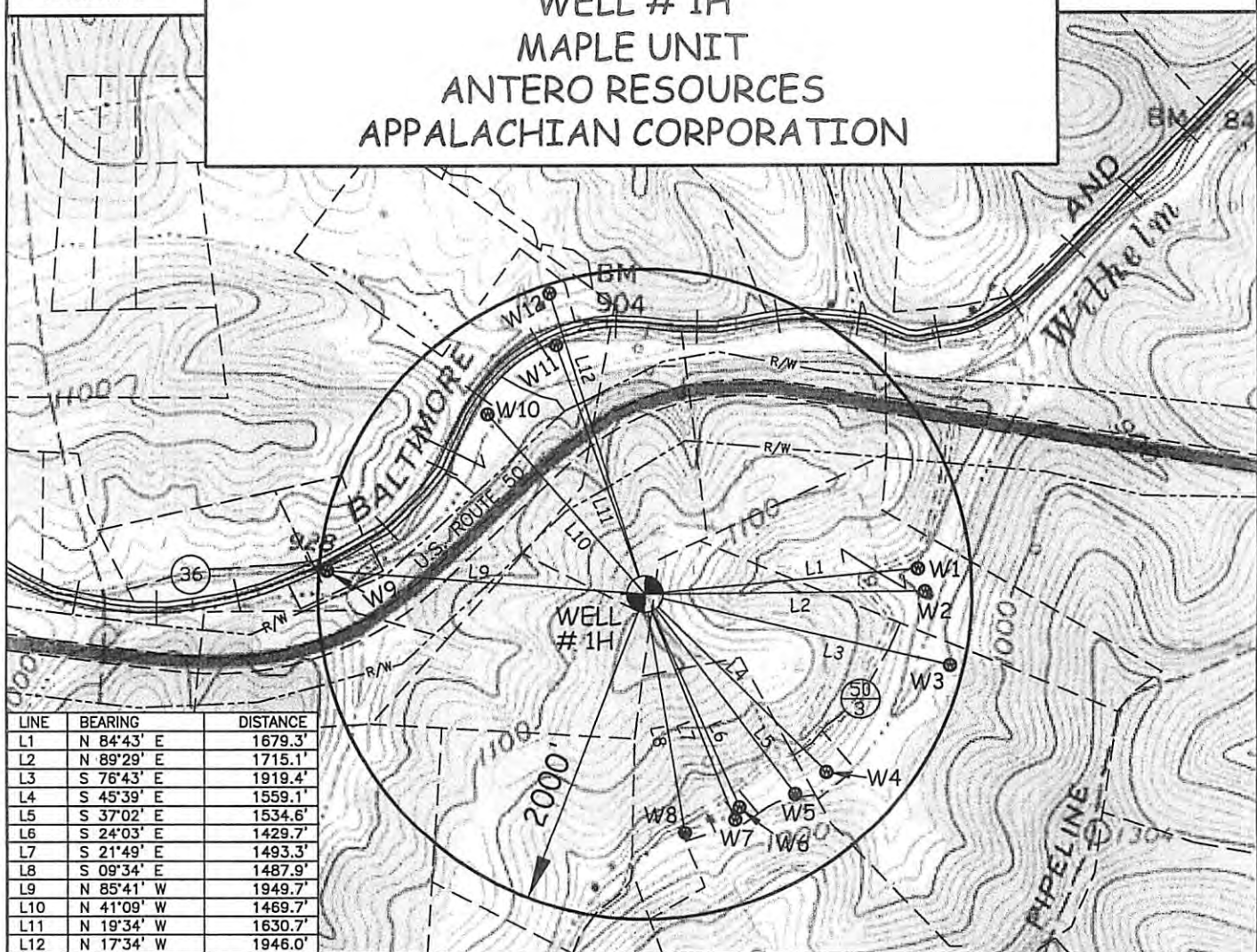
STATE OF WEST VIRGINIA, DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
 WILLOW LAND SURVEYING PLLC
 220 MASONIC AVE. PENNSBORO WEST VIRGINIA 26415



STATE OF WEST VIRGINIA DEPT. OF ENERGY DIVISION OF OIL AND GAS
 WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS") PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION 1,164' WATERSHED TRIBUTARY OF WILHELM RUN
 QUADRANGLE WEST UNION 7.5' DISTRICT CENTRAL COUNTY DODDRIDGE
 SURFACE OWNER MARY F. BROWN ACREAGE 49.43 ACRES +/-
 OIL & GAS ROYALTY OWNER MARY F. BROWN; PATRICK A. WRIGHT; WVSRA; THELMA PRIMM ET AL; LEASE ACREAGE 55.65 AC±; 222 AC±; 301.19 AC±; 76.04 ACRES±;
 JOSEPH L. TOWNER ET AL; FLOYD MCGILL JR. ET AL; RICHARD F. MCCULLOUGH; FRANK MCGILL ET AL; ROSALEE WILSON ET AL 33 AC±; 107 AC±; 72.83 AC±; 106 AC±; 100 AC±
 PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE
 PLUG OFF OLD FORMATION PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL
 (SPECIFY) PLUG & ABANDON CLEAN OUT & REPLUG
 TARGET FORMATION MARCELLUS ESTIMATED DEPTH 7,000' TVD 16,100' MD
 WELL OPERATOR ANTERO RESOURCES APPALACHIAN CORP. DESIGNATED AGENT DIANNA STAMPER
 ADDRESS 1625 17TH STREET ADDRESS 5400 D BIG TYLER ROAD
 FORM WW-6 DENVER, CO 80202 CHARLESTON, WV 25313

COUNTY NAME PERMIT

**WELL # 1H
MAPLE UNIT
ANTERO RESOURCES
APPALACHIAN CORPORATION**



WELL	SURFACE OWNER	ADDRESS
W1	ROBERT KEITH LEWIS ET AL	RT. 1 BOX 447 PENNSBORO, WV 26415
W2	ROBERT KEITH LEWIS ET AL	RT. 1 BOX 447 PENNSBORO, WV 26415
W3	TERESA L. CLARK	RT. 1 BOX 457 PENNSBORO, WV 26415
W4	TERESA MARIE SEESE	RT 1 BOX 462 GREENWOOD, WV 26415
W5	JIMMY LEE & SHELLA LIPSCOMB	P.O. BOX 433 WEST UNION, WV 26456
W6	ROBERT M. & JASON P. LIPSCOMB	653 WILHEM RUN RD GREENWOOD, WV 26415
W7	ROBERT M. & JASON P. LIPSCOMB	653 WILHEM RUN RD GREENWOOD, WV 26415
W8	BILLY J. & PEGGY A. LIPSCOMB	RT. 1 BOX 473 GREENWOOD, WV 26415
W9	RICHARD A. & RHEA J. DAVIS	RT. 1 BOX 420 GREENWOOD, WV 26415
W10	WILLIAM L. SR. & THELMA SWISHER	RT. 1 BOX 424 GREENWOOD, WV 26415
W11	JAMES M. & KIMBERLY D. HARTNESS	RT. 1 BOX 428 GREENWOOD, WV 26415
W12	GREGORY R. & CAROLYN S. VOGT	RT. 1 BOX 429 GREENWOOD, WV 26415

WILLOW LAND SURVEYING PLLC P.O. BOX 17, PENNSBORO, WV 26415 (304) 659-1717	TOPO SECTION(S) OF : WEST UNION 7.5' QUAD	SCALE : 1-INCH = 1000-FEET 0' 1000' 2000' 3000'
	DATE: 12/06/12 DRAWN BY: C.J.P.	