

LATITUDE 39°20'00" 3,006'  
 7,282' TO BOTTOM HOLE  
 LATITUDE 39°20'00"

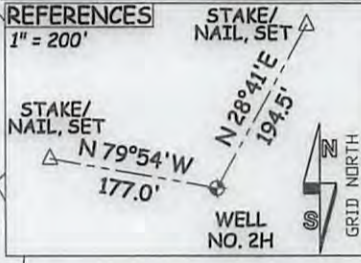
LONGITUDE 80°50'00" 3,125' TO BOTTOM HOLE

LONGITUDE 80°50'00" 1,310'

**Antero Resources Corporation**  
**Well No. Boulder Unit 2H**

**NOTES:**  
**WELL 2H TOP HOLE INFORMATION:**  
 N: 295,052ft E: 1,619,690ft  
 LAT: 39°18'08.21" LON: 80°50'38.24"  
**BOTTOM HOLE INFORMATION:**  
 N: 303,301ft E: 1,615,536ft  
 LAT: 39°19'29.12" LON: 80°51'32.67"  
**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.

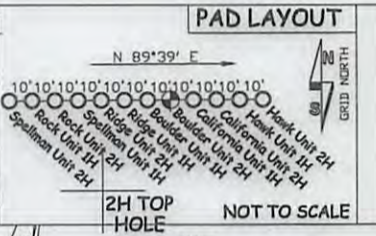
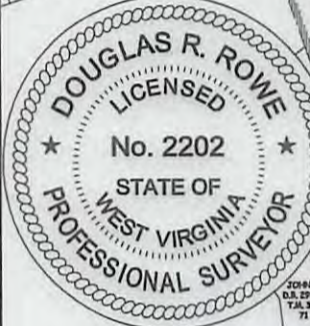
(NAD) 83 (UTM) ZONE 17 COORDS:  
**WELL 2H TOP HOLE INFORMATION:**  
 N: 4,350,343m E: 513,469m  
**BOTTOM HOLE INFORMATION:**  
 N: 4,352,835m E: 512,162m



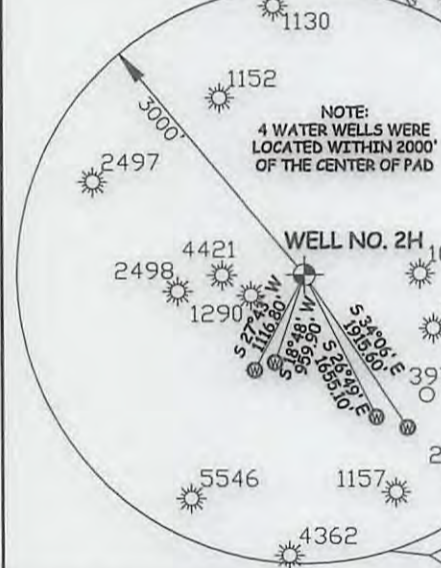
(NAD) 27 (UTM) ZONE 17 COORDS:  
**WELL 2H TOP HOLE INFORMATION:**  
 N: 14,272,035ft E: 1,684,560ft  
**POINT OF ENTRY INFORMATION:**  
 N: 14,272,051ft E: 1,682,925ft  
**BOTTOM HOLE INFORMATION:**  
 N: 14,280,210ft E: 1,680,270ft

WV NORTH ZONE GRID NORTH

GRID NORTH



**NOTE**  
 NO OCCUPIED DWELLINGS OR BUILDINGS TWO THOUSAND FIVE HUNDRED (2,500) SQUARE FEET OR LARGER USED TO HOUSE OR SHELTER DAIRY CATTLE OR POULTRY HUSBANDRY ARE LOCATED WITHIN SIX HUNDRED TWENTY-FIVE (625) FEET OF THE CENTER OF THE WELL PAD.



JOB # 16-059WA  
 DRAWING # BOULDER2H  
 SCALE 1" = 2000'  
 MINIMUM DEGREE OF ACCURACY SUBMETER  
 PROVEN SOURCE OF ELEV. SUBMETER MAPPING GRADE GPS

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 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

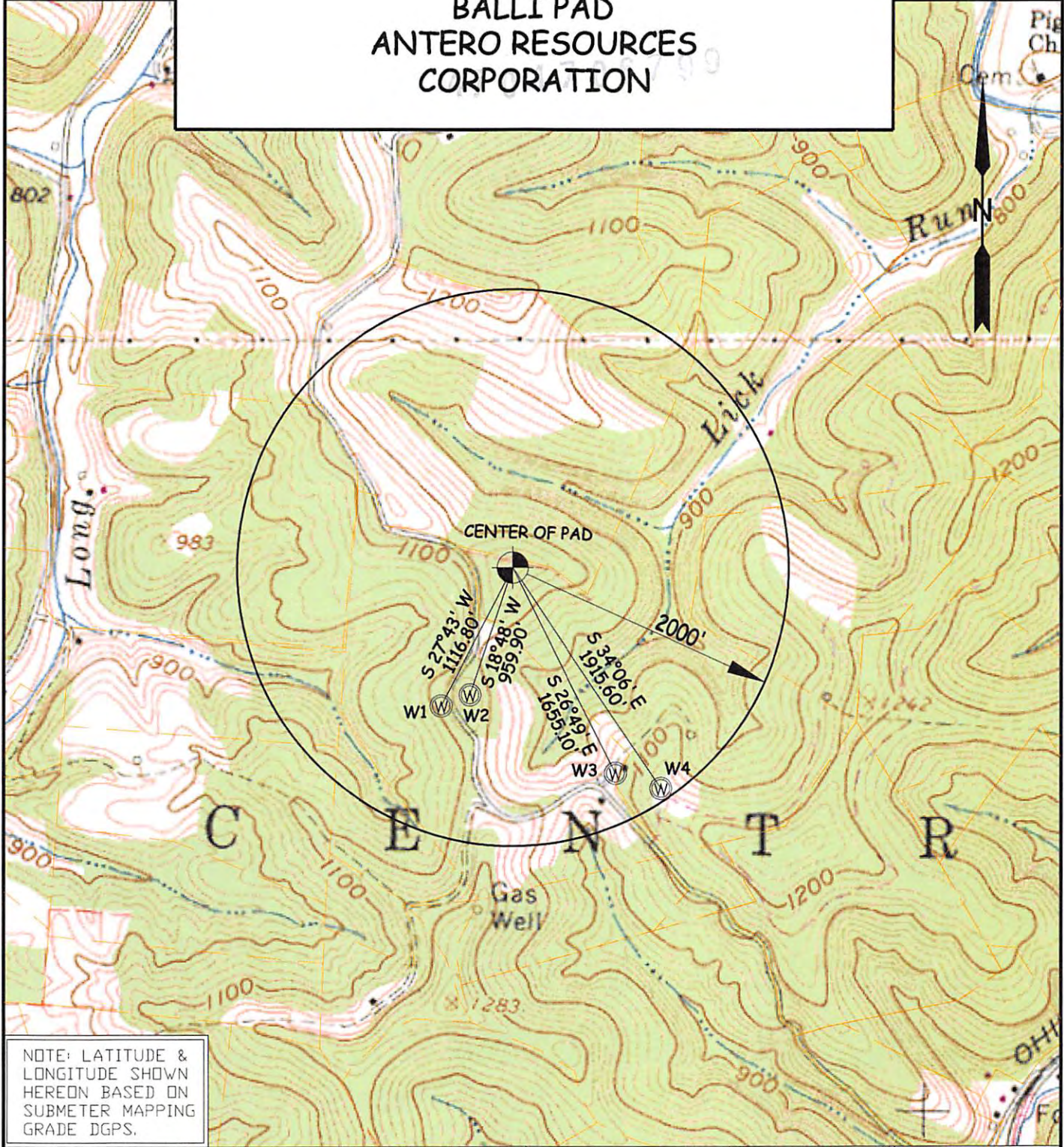
**LEGEND**  
 - - - - - Surface Owner Boundary Lines +/-  
 - - - - - Interior Surface Tracts +/-  
 - x - x - x - Existing Fence  
 ⊕ Found monument, as noted

DOUGLAS R. ROWE P.S. 2202  
 DATE 12/05/16  
 OPERATOR'S WELL# BOULDER UNIT #2H

STATE OF WEST VIRGINIA DEPARTMENT OF ENERGY DIVISION OF OIL AND GAS  
 WELL TYPE: OIL \_\_\_ GAS X LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
 (IF "GAS") PRODUCTION X STORAGE \_\_\_ DEEP \_\_\_ SHALLOW X  
 LOCATION: ELEVATION 1,135' PROPOSED - 1,160' ORIGINAL WATERSHED HEADWATERS MIDDLE ISLAND CREEK  
 QUADRANGLE WEST UNION 7.5' DISTRICT CENTRAL COUNTY DODDRIDGE  
 SURFACE OWNER JEFFREY K. JONES SR. ET AL ACREAGE 77.32 ACRES +/-  
 OIL & GAS ROYALTY OWNER DONALD L. PIGGOTT; C. BURKE MORRIS ET AL; NELL ALLEN; LEASE ACREAGE 81 AC±; 94 AC±; 176 AC±;  
 RICHARD F. MCCULLOUGH ET UX; JOHN STATLER ET UX; RICHARD MCCULLOUGH; 63.5 AC±; 56 AC±; 26 AC±;  
 STEVEN SAUNDERS ET UX; RICHARD MCCULLOUGH E UX; EUGENE R. WALTON 10 AC±; 29 AC±; 137 AC±  
 PROPOSED WORK: DRILL X CONVERT \_\_\_ DRILL DEEPER \_\_\_ REDRILL \_\_\_ FRACTURE OR STIMULATE X  
 PLUG OFF OLD FORMATION \_\_\_ PERFORATE NEW FORMATION X OTHER PHYSICAL CHANGE IN WELL  
 (SPECIFY) \_\_\_ PLUG & ABANDON \_\_\_ CLEAN OUT & REPLUG \_\_\_  
 TARGET FORMATION MARCELLUS ESTIMATED DEPTH 6,800' TVD 15,900 MD  
 WELL OPERATOR ANTERO RESOURCES CORP. DESIGNATED AGENT DIANNA STAMPER - CT CORPORATION SYSTEM  
 ADDRESS 1615 WYNKOOP STREET ADDRESS 5400 D BIG TYLER ROAD  
 DENVER, CO 80202 CHARLESTON, WV 25313

02/10/2017

# BALLI PAD ANTERO RESOURCES CORPORATION



NOTE: LATITUDE & LONGITUDE SHOWN HEREON BASED ON SUBMETER MAPPING GRADE DGPS.

WELL	SURFACE OWNER	ADDRESS	DISTRICT-TAX MAP-PARCEL	WELL LATITUDE	WELL LONGITUDE
W1	SUSAN C. GAGNON	1210 Ramsey Ridge Rd West Union, WV 26456	1-6-9	39° 17' 59.48"	80° 50' 41.57"
W2	SUSAN C. GAGNON	1210 Ramsey Ridge Rd West Union, WV 26456	1-6-9	39° 17' 58.66"	80° 50' 44.23"
W3	SUSAN C. GAGNON	1210 Ramsey Ridge Rd West Union, WV 26456	1-6-9	39° 17' 54.02"	80° 50' 28.03"
W4	JEFFREY JONES SR. ET UX	888 Ramsey Ridge Rd West Union, WV 26456	1-7-7.1	39° 17' 52.99"	80° 50' 23.85"

<b>WILLOW LAND SURVEYING, PLLC</b> P.O. BOX 17, PENNSBORO, WV 26415 (304) 659-1717	TOPO SECTION(S) OF ; WEST UNION 7.5' QUAD. & PENNSBORO 7.5' QUAD.	SCALE : 1-INCH = 1000-FEET 
	JOB #: 14-084WA	
DATE: 12/02/16	DRAWN BY: T.B.S.	FILE: BALLI PAD WATERMAP