

LATITUDE 39°20'00"

3,065'

11,599' TO BOTTOM HOLE

LATITUDE 39°17'30"

LONGITUDE 80°47'30"

3,954' TO BOTTOM HOLE

11,312'

LONGITUDE 80°50'00"

Antero Resources Corporation  
Well No. Rock Unit 1H  
47-017-06636

**NOTES:**

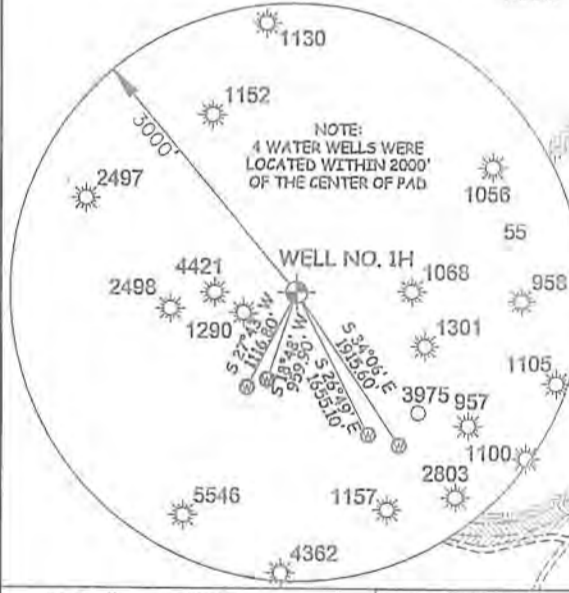
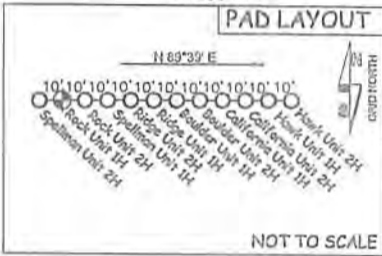
WELL 1H TOP HOLE INFORMATION:  
N: 295,051ft E: 1,619,631ft  
LAT: 39°18'08.20" LON: 80°50'38.99"

BOTTOM HOLE INFORMATION:  
N: 287,185ft E: 1,622,776ft  
LAT: 39°16'50.92" LON: 80°49'57.51"

WEST VIRGINIA COORDINATE SYSTEM OF 1927 NORTH 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: 4,350,342m E: 513,451m  
BOTTOM HOLE INFORMATION:  
N: 4,347,962m E: 514,449m

- NOTE**
1. 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.
  2. TOP HOLE DATA SHOWN HEREON WAS PROVIDED BY ALLEGHENY SURVEYS, INC.
  3. AS DRILLED DATA WAS PROVIDED BY ANTERO RESOURCES CORPORATION.
  4. WLS IS NOT CERTIFYING THE DATA AND INFORMATION PROVIDED LISTED IN NOTES 2 AND 3, ONLY THE RELATIONSHIP TO THE DATA AND INFORMATION PROVIDED TO THE LEASE BOUNDARIES.
  5. WLS IS BY NO MEANS RESPONSIBLE FOR ANY ERRORS OR INACCURACIES WITH THE DATA AND INFORMATION THAT HAS BEEN PROVIDED.



JOB # 14-084WA DRAWING # ROCK1HAD SCALE 1" = 1000' MINIMUM DEGREE OF ACCURACY SUBMETER PROVEN SOURCE OF ELEV. SUBMETER MAPPING GRADE GPS		I, THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAN 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.		<b>LEGEND</b> - - - Surface Owner Boundary Lines +/- - - - Interior Surface Tracts +/- - - - Proposed Well Path - - - As Drilled Well Path	
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 1,135.5' AS BUILT WATERSHED HEADWATERS MIDDLE ISLAND CREEK QUADRANGLE WEST UNION 7.5 DISTRICT CENTRAL COUNTY DODDRIDGE		STATE OF WEST VIRGINIA, DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS WILLOW LAND SURVEYING PLLC 220 MASONIC AVE. PENNSBORO WEST VIRGINIA 26415		DATE 07/17/18 OPERATOR'S WELL# ROCK UNIT #1H API WELL # 47 - 017 - 06636 STATE COUNTY PERMIT	
SURFACE OWNER JEFFREY K. JONES SR. ET AL OIL & GAS ROYALTY OWNER DONALD L. PIGGOTT; NEUL ALLEN; GLENIS P. KILKENNEY ET AL; JANE ANN JONES; CNX; JAMES I. BACKUS; MIDWEST ENERGY INC.; WVSRA; ED STONE ET UX		ACREAGE 77.32 ACRES +/- LEASE ACREAGE 81 ACRES; 176 ACRES; 25 ACRES; 114.5 ACRES; 230.04 ACRES; 21.13 ACRES; 34.17 ACRES; 301.19 ACRES; 07 ACRES;		COUNTY NAME PERMIT	
PROPOSED WORK: DRILL ___ CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE ___ PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ OTHER PHYSICAL CHANGE IN WELL ___ (SPECIFY) AS DRILLED PLUG & ABANDON ___ CLEAN OUT & REPLUG ___		TARGET FORMATION MARCELLUS ESTIMATED DEPTH 6,722' TVD 15,137' 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		FORM WW-6	