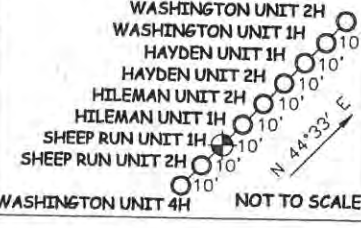


AS DRILLED DATA:
WELL 1H TOP HOLE INFORMATION:
 N: 270,185ft E: 1,620,387ft
 LAT: 39°14'02.56" LON: 80°50'24.66"
BOTTOM HOLE INFORMATION:
 N: 262,996ft E: 1,624,926ft
 LAT: 39°12'52.17" LON: 80°49'25.63"
 WEST VIRGINIA COORDINATE SYSTEM OF 1927 NORTH ZONE. ZONE WAS DERIVED FROM MEASUREMENTS TAKEN WITH TRIMBLE GEOXT SUBMETER MAPPING GRADE GPS UNIT. PLAT ORIENTATION, CORNER, AND WELL REFERENCE TIE LINES ARE BASED ON GRID NORTH.

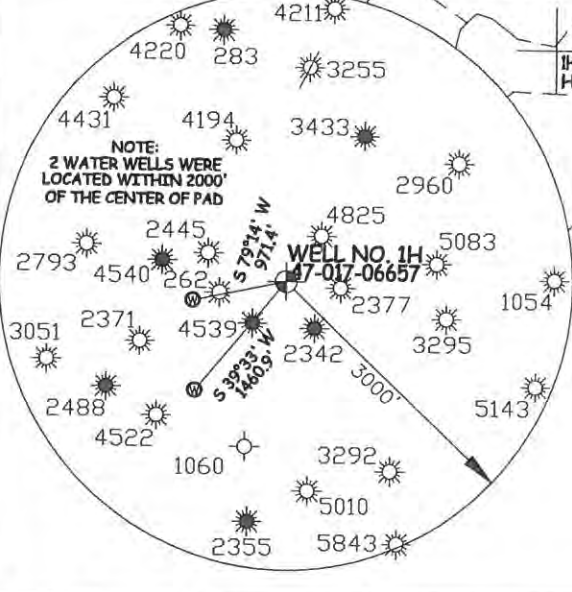
(NAD) 83 (UTM) ZONE 17 COORDS:
WELL 1H TOP HOLE INFORMATION:
 N: 4,342,771m E: 513,808m
BOTTOM HOLE INFORMATION:
 N: 4,340,604m E: 515,227m





1H TOP HOLE

PAD LAYOUT



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 # 14-086WA DRAWING # SHEEPRUN1HAD SCALE 1" = 1000' MINIMUM DEGREE OF ACCURACY SUBMETER PROVEN SOURCE OF ELEV. SUBMETER MAPPING GRADE GPS		 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 — Existing Fence  Found monument, as noted  Proposed Well Path  As Drilled Well Path
STATE OF WEST VIRGINIA DEPARTMENT OF ENERGY DIVISION OF OIL AND GAS WELL TYPE: OIL ___ GAS <input checked="" type="checkbox"/> LIQUID INJECTION ___ WASTE DISPOSAL ___ (IF "GAS") PRODUCTION <input checked="" type="checkbox"/> STORAGE ___ DEEP ___ SHALLOW <input checked="" type="checkbox"/>			DATE 07/16/15 OPERATOR'S WELL # SHEEP RUN UNIT #1H API WELL # 47 - 017 - 06657 STATE COUNTY PERMIT
LOCATION: ELEVATION 1,066' ORIGINAL - 1,053' AS DRILLED WATERSHED NORTH FORK HUGHES RIVER QUADRANGLE OXFORD 7.5' DISTRICT CENTRAL (TH) WEST UNION (LP) SOUTHWEST (BH) COUNTY DODDRIDGE SURFACE OWNER JUDY A. HORTON ACREAGE 65.06 ACRES +/- OIL & GAS ROYALTY OWNER STELLA MAY ET AL; ANJO INVESTMENTS INC.; HARVEY SMITH; J.W. SMITH; SAMUEL HILEMAN; BRADLEY LEGGETT ET UX LEASE ACREAGE 125.5 ACRES±; 50 ACRES±; 450 ACRES±; 486 ACRES±; 122 ACRES±; 70.4 ACRES±		COUNTY NAME DODDRIDGE PERMIT	
PROPOSED WORK: DRILL ___ CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE ___ PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) (X) AS DRILLED PLUG & ABANDON ___ CLEAN OUT & REPLUG ___ TARGET FORMATION MARCELLUS ESTIMATED DEPTH 6,498' TVD 15,058' MD		WELL OPERATOR ANTERO RESOURCES CORP. DESIGNATED AGENT DIANNA STAMPER ADDRESS 1615 WYNKOOP STREET ADDRESS CT CORPORATION SYSTEM 4700 D BIG TYLER ROAD CHARLESTON, WV 25313	