

LATITUDE 39°15'00"

8,382'

10,751' TO BOTTOM HOLE

LATITUDE 39°17'30"

LONGITUDE 80°50'00"

4,521'

13,818' TO BOTTOM HOLE

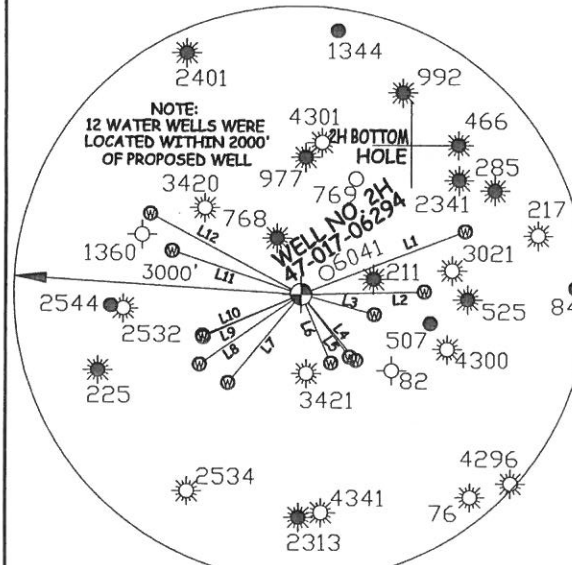
LONGITUDE 80°50'00"

Antero Resources Corporation
Well No. Pike Unit 2H
47-017-06294 (AS DRILLED)

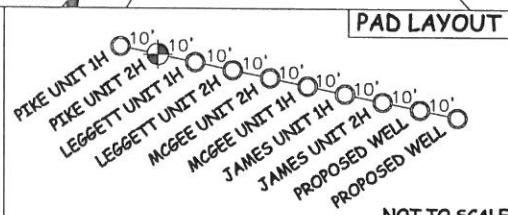
AS DRILLED DATA:
WELL 2H TOP HOLE INFORMATION:
N: 271,573ft E: 1,613,965ft
LAT: 39°14'15.32" LON: 80°51'46.53"
BOTTOM HOLE INFORMATION:
N: 277,486ft E: 1,611,684ft
LAT: 39°15'13.42" LON: 80°52'16.67"
WEST VIRGINIA COORDINATE SYSTEM OF 1927 NORTH ZONE. ZONE WAS DERIVED FROM MEASUREMENTS TAKEN WITH TRIMBLE 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: 4,343,161m E: 511,844m
BOTTOM HOLE INFORMATION:
N: 4,344,951m E: 511,119m

- 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.



LINE	BEARING	DISTANCE
L1	N 68°55' E	1838.8'
L2	N 88°27' E	1288.6'
L3	S 74°48' E	794.9'
L4	S 39°47' E	898.0'
L5	S 37°49' E	829.9'
L6	S 23°33' E	784.8'
L7	S 39°05' W	1205.1'
L8	S 54°57' W	1292.6'
L9	S 66°00' W	1118.9'
L10	S 66°57' W	1115.8'
L11	N 71°44' W	1417.7'
L12	N 62°20' W	1779.0'



JOB # 13-018WA
DRAWING # PIKE2HAD
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 LIQUID INJECTION WASTE DISPOSAL
(IF "GAS") PRODUCTION STORAGE DEEP SHALLOW
LOCATION: ELEVATION 1,000' ORIGINAL - 990' AS DRILLED WATERSHED NORTH FORK HUGHES RIVER
QUADRANGLE OXFORD 7.5' (TOP HOLE) WEST UNION 7.5' (BOTTOM HOLE) DISTRICT CENTRAL COUNTY DODDRIDGE
SURFACE OWNER ROBERT WILLIAMS ACREAGE 37.67 ACRES +/-
OIL & GAS ROYALTY OWNER H.B. WILLIAMS ET UX; RALPH LEGGETT ET UX; LEASE ACREAGE 307 ACRES±; 72 ACRES±; F.H. ROSS ET UX; CASSIE REESE 72 ACRES±; 142 ACRES±
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 6,532' TVD 12,757' MD
WELL OPERATOR ANTERO RESOURCES CORP. DESIGNATED AGENT DIANNA STAMPER
ADDRESS 1615 WYNKOOP STREET ADDRESS 5400 D BIG TYLER ROAD
DENVER, CO 80202 CHARLESTON, WV 25313

DATE 05/26/15
OPERATOR'S WELL# PIKE UNIT #2H
API WELL # 47 - 017 - 06294
STATE COUNTY PERMIT
NORTH FORK HUGHES RIVER
COUNTY NAME
PERMIT