

LATITUDE 39°17'30"

11,238'

8,483' TO BOTTOM HOLE

LATITUDE 39°17'30"

LONGITUDE 80°50'00"

12,338' TO BOTTOM HOLE

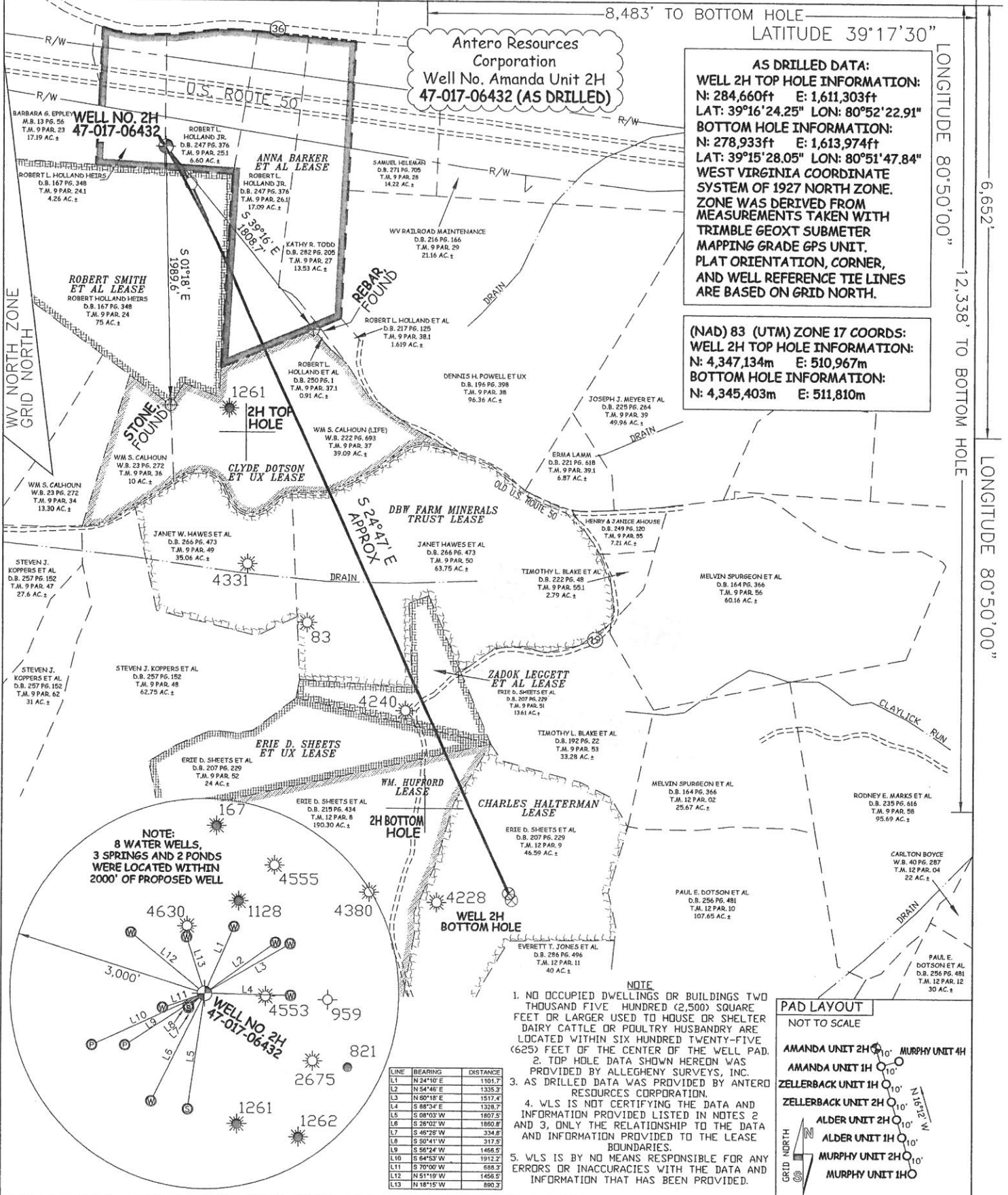
6,652'

LONGITUDE 80°50'00"

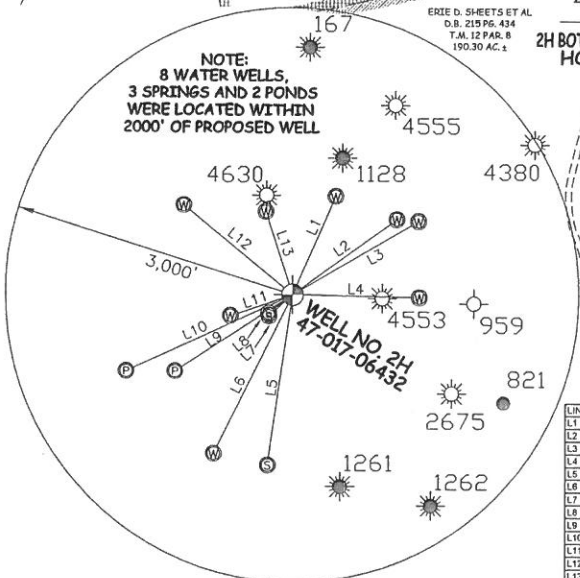
Antero Resources Corporation
Well No. Amanda Unit 2H
47-017-06432 (AS DRILLED)

AS DRILLED DATA:
WELL 2H TOP HOLE INFORMATION:
N: 284,660ft E: 1,611,303ft
LAT: 39°16'24.25" LON: 80°52'22.91"
BOTTOM HOLE INFORMATION:
N: 278,933ft E: 1,613,974ft
LAT: 39°15'28.05" LON: 80°51'47.84"
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: 4,347,134m E: 510,967m
BOTTOM HOLE INFORMATION:
N: 4,345,403m E: 511,810m



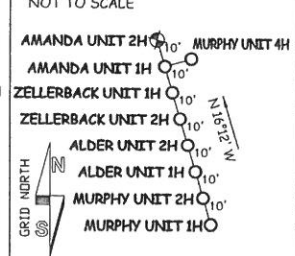
NOTE:
8 WATER WELLS,
3 SPRINGS AND 2 PONDS
WERE LOCATED WITHIN
2000' OF PROPOSED WELL



LINE	BEARING	DISTANCE
L1	N 24°10' E	1161.7'
L2	N 54°06' E	1335.3'
L3	N 60°18' E	1517.4'
L4	S 88°34' E	1328.7'
L5	S 08°03' W	1807.5'
L6	S 28°02' W	1860.8'
L7	S 40°23' W	334.8'
L8	S 50°41' W	317.5'
L9	S 56°24' W	1466.5'
L10	S 64°53' W	1912.2'
L11	S 70°00' W	688.2'
L12	N 51°19' W	1466.5'
L13	N 18°15' W	890.3'

- 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.

PAD LAYOUT



JOB # 13-061WA
DRAWING # AMANDA2HAD
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
DATE 06/15/15
OPERATOR'S WELL# AMANDA UNIT #2H
API WELL # 47 - 017 - 06432

LOCATION: ELEVATION 990' ORIGINAL - 989' AS DRILLED WATERSHED NORTH FORK HUGHES RIVER
QUADRANGLE WEST UNION 7.5' DISTRICT CENTRAL COUNTY DODDRIDGE
SURFACE OWNER ROBERT L. HOLLAND JR. ACREAGE 6.60 ACRES +/-
OIL & GAS ROYALTY OWNER ANNA BARKER ET AL; ROBERT SMITH ET AL; CLYDE DOTSON ET UX; LEASE ACREAGE 127 ACRES +/-; 75 ACRES +/-; 50 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 6,535' TVD 12,640' MD

WELL OPERATOR ANTERO RESOURCES CORP. DESIGNATED AGENT DIANNA STAMPER
ADDRESS 1615 WYNKOOP STREET ADDRESS 5400 D BIG TYLER ROAD
FORM WW-6 DENVER, CO 80202 CHARLESTON, WV 25313

PERMIT CT CORPORATION SYSTEM