

LATITUDE 39°17'30" 2,186'

10,808' TO BOTTOM HOLE

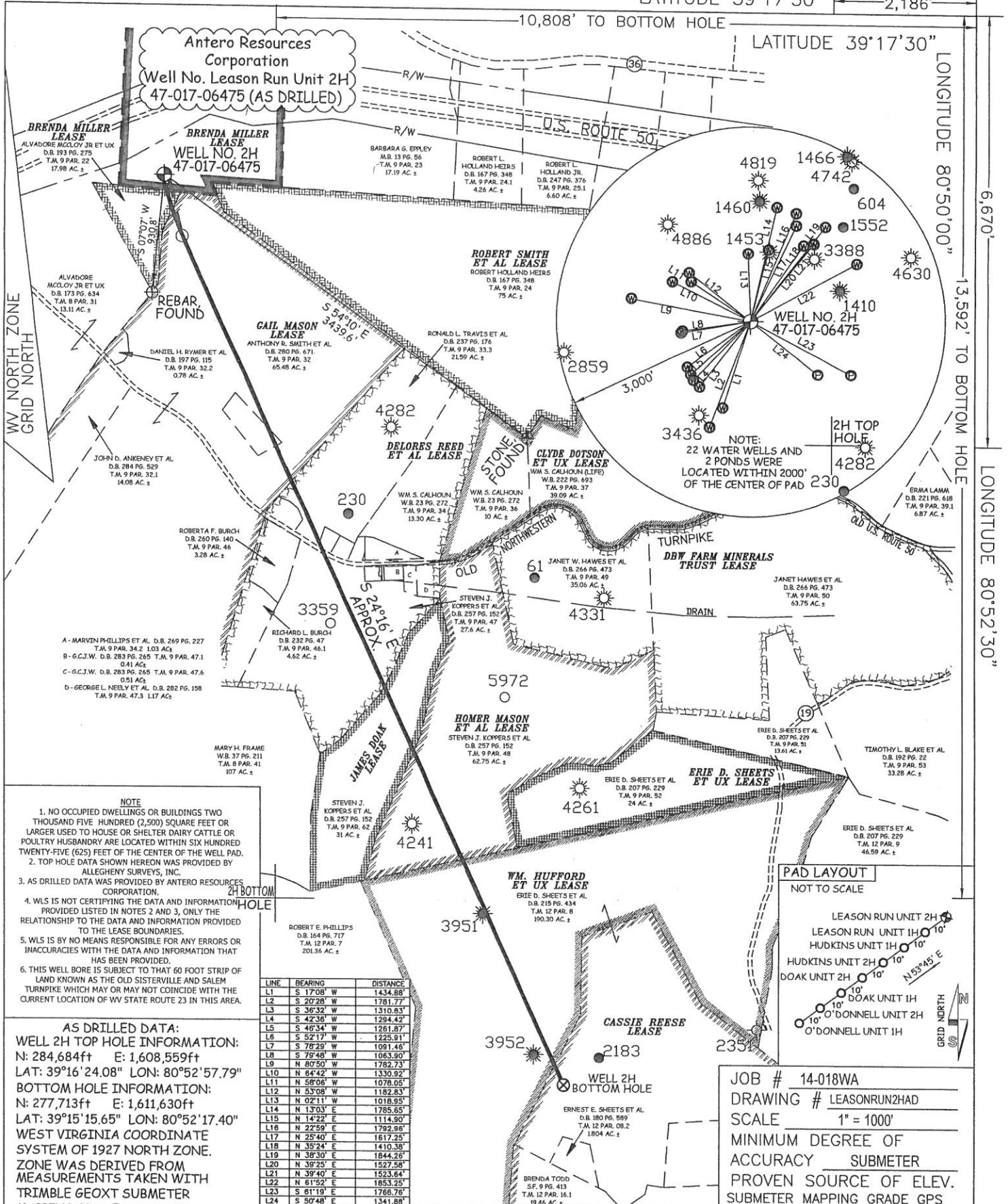
LATITUDE 39°17'30"

LONGITUDE 80°50'00"

6,670'

13,592' TO BOTTOM HOLE

LONGITUDE 80°52'30"



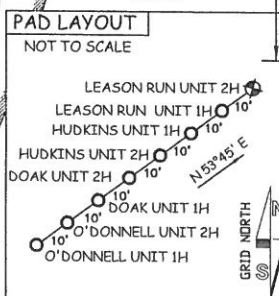
NOTE

- 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.
- TOP HOLE DATA SHOWN HEREON WAS PROVIDED BY ALLEGHENY SURVEYS, INC.
- AS DRILLED DATA WAS PROVIDED BY ANTERO RESOURCES CORPORATION.
- 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.
- WLS IS BY NO MEANS RESPONSIBLE FOR ANY ERRORS OR INACCURACIES WITH THE DATA AND INFORMATION THAT HAS BEEN PROVIDED.
- THIS WELL BORE IS SUBJECT TO THAT 60 FOOT STRIP OF LAND KNOWN AS THE OLD SISTERVILLE AND SALEM TURNPIKE WHICH MAY OR MAY NOT COINCIDE WITH THE CURRENT LOCATION OF WV STATE ROUTE 23 IN THIS AREA.

AS DRILLED DATA:
 WELL 2H TOP HOLE INFORMATION:
 N: 284,684ft E: 1,608,559ft
 LAT: 39°16'24.08" LON: 80°52'57.79"
 BOTTOM HOLE INFORMATION:
 N: 277,133ft E: 1,611,630ft
 LAT: 39°15'15.65" LON: 80°52'17.40"
 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: 4,347,127m E: 510,131m
 BOTTOM HOLE INFORMATION:
 N: 4,345,020m E: 511,102m

LINE	BEARING	DISTANCE
L1	S 17°08' W	1434.88'
L2	S 2°28' W	1781.77'
L3	S 36°32' W	1310.83'
L4	S 42°38' W	1284.42'
L5	S 46°34' W	1261.87'
L6	S 52°17' W	1225.91'
L7	S 78°29' W	1091.46'
L8	S 79°48' W	1063.30'
L9	N 80°50' W	1782.73'
L10	N 84°42' W	1330.52'
L11	N 58°08' W	1078.05'
L12	N 53°08' W	1182.83'
L13	N 02°11' W	1018.95'
L14	N 13°03' E	1785.65'
L15	N 14°22' E	1114.90'
L16	N 22°59' E	1782.98'
L17	N 25°40' E	1617.25'
L18	N 35°24' E	1410.38'
L19	N 38°30' E	1844.26'
L20	N 39°25' E	1527.58'
L21	N 39°40' E	1523.64'
L22	N 61°52' E	1853.25'
L23	S 61°19' E	1766.76'
L24	S 50°48' E	1341.88'



JOB # 14-018WA
DRAWING # LEASONRUN2HAD
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
 P.O. BOX 17
 PENNSBORO, WV 26415

LEGEND

- Surface Owner Boundary Lines +/-
- Interior Surface Tracts +/-
- Existing Fence
- Found monument, as noted
- Proposed Well Path
- As Drilled Well Path

DATE 07/09/15
OPERATOR'S WELL # LEASON RUN UNIT #2H

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
(IF "GAS") PRODUCTION ___ STORAGE ___ DEEP ___ SHALLOW X
LOCATION: ELEVATION 1,083' ORIGINAL - 1,057' AS-DRILLED WATERSHED NORTH FORK HUGHES RIVER

QUADRANGLE PENNSBORO 7.5' (TOP HOLE) WEST UNION 7.5' (BOTTOM HOLE) DISTRICT CENTRAL COUNTY DODDRIDGE
SURFACE OWNER ALVADORE MCCLOY JR ET UX **ACREAGE** 17.98 ACRES +/-
OIL & GAS ROYALTY OWNER BRENDA MILLER; BRENDA MILLER; GAIL MASON; **LEASE ACREAGE** 37.825 ACRES +/-; 6.2 ACRES +/-; 148.793 ACRES +/-

DELORES REED ET AL; JAMES DOAK; HOMER MASON ET AL; WM. HUFFORD ET UX; CASSIE REESE 75.6 ACRES +/-; 31 ACRES +/-; 62 ACRES +/-; 141 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

TARGET FORMATION MARCELLUS **ESTIMATED DEPTH** 6,590' TVD 13,878' MD
PLUG & ABANDON ___ **CLEAN OUT & REPLUG** ___

WELL OPERATOR ANTERO RESOURCES CORP. **DESIGNATED AGENT** DIANNA STAMPER
ADDRESS 1615 WYNKOOP STREET **ADDRESS** CT CORPORATION SYSTEM
 DENVER, CO 80202 **ADDRESS** 5400 D BIG TYLER ROAD
 CHARLESTON, WV 25313