

LATITUDE 39°17'30"

4,408'

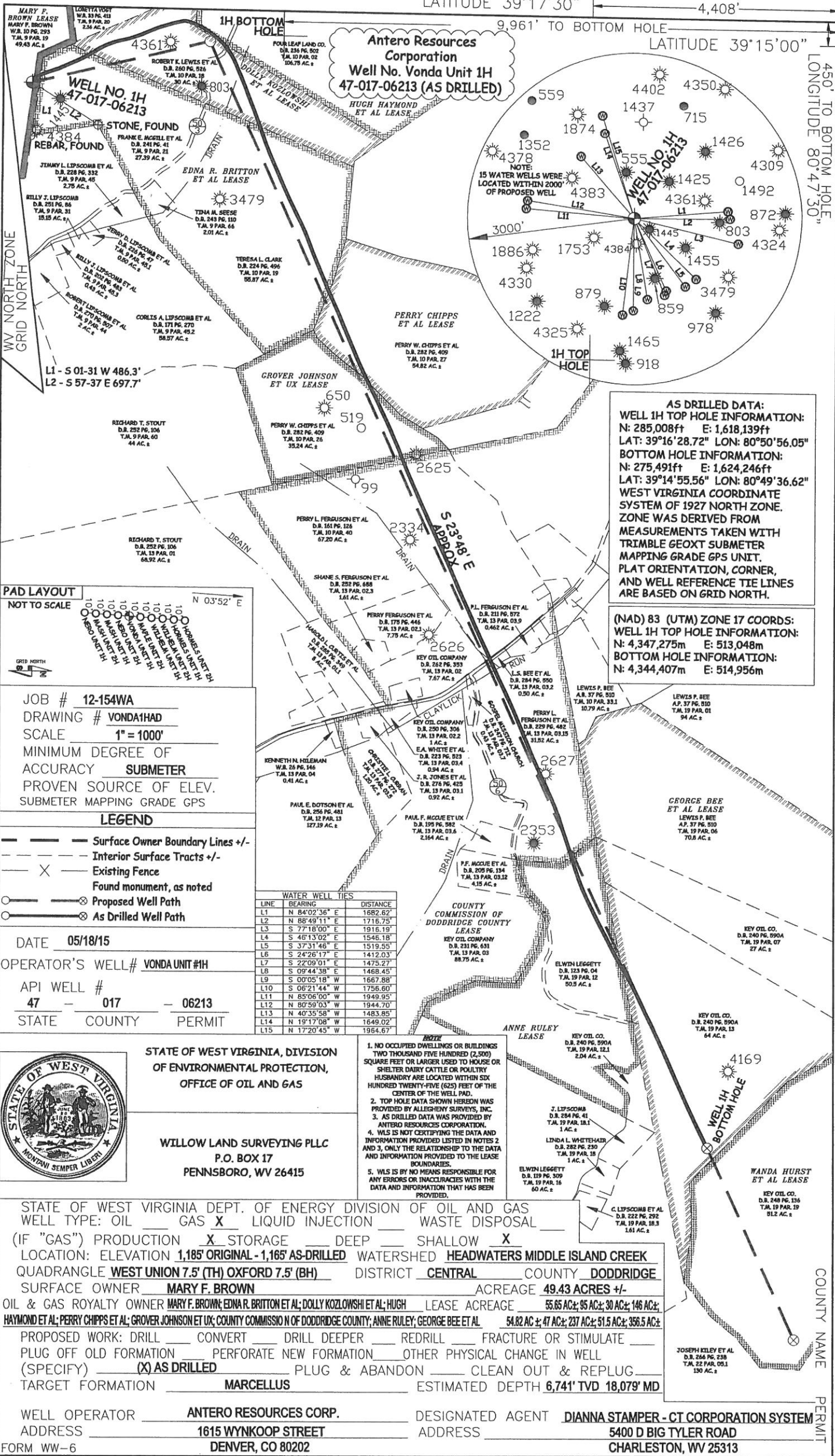
9,961' TO BOTTOM HOLE

LATITUDE 39°15'00"

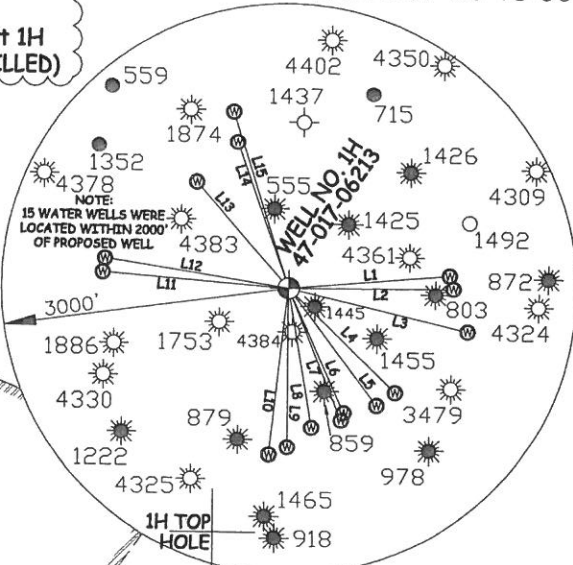
450' TO BOTTOM HOLE  
LONGITUDE 80°47'30"

6,200'

LONGITUDE 80°50'00"

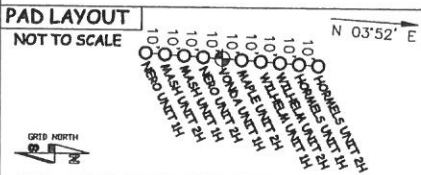


**Antero Resources Corporation**  
**Well No. Vonda Unit 1H**  
**47-017-06213 (AS DRILLED)**



**AS DRILLED DATA:**  
**WELL 1H TOP HOLE INFORMATION:**  
 N: 285,008ft E: 1,618,139ft  
 LAT: 39°16'28.72" LON: 80°50'56.05"  
**BOTTOM HOLE INFORMATION:**  
 N: 275,491ft E: 1,624,246ft  
 LAT: 39°14'55.56" LON: 80°49'36.62"  
 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: 4,347,275m E: 513,048m  
**BOTTOM HOLE INFORMATION:**  
 N: 4,344,407m E: 514,956m



JOB # 12-154WA  
 DRAWING # VONDA1HAD  
 SCALE 1" = 1000'  
 MINIMUM DEGREE OF ACCURACY SUBMETER  
 PROVEN SOURCE OF ELEV. SUBMETER MAPPING GRADE GPS

**LEGEND**

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

DATE 05/18/15  
 OPERATOR'S WELL# VONDA UNIT #1H  
 API WELL # 47 - 017 - 06213  
 STATE COUNTY PERMIT

**WATER WELL TIES**

LINE	BEARING	DISTANCE
L1	N 84°02'36" E	1682.62'
L2	N 88°49'11" E	1716.75'
L3	S 77°18'00" E	1916.19'
L4	S 46°13'02" E	1546.18'
L5	S 37°31'46" E	1519.55'
L6	S 24°26'17" E	1412.03'
L7	S 22°09'01" E	1475.27'
L8	S 09°44'38" E	1468.45'
L9	S 00°05'18" W	1667.88'
L10	S 06°21'44" W	1756.60'
L11	N 85°06'00" W	1949.95'
L12	N 80°59'03" W	1944.70'
L13	N 40°35'58" W	1483.85'
L14	N 19°17'08" W	1649.02'
L15	N 17°20'45" W	1964.67'



STATE OF WEST VIRGINIA, DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS

WILLOW LAND SURVEYING PLLC  
 P.O. BOX 17  
 PENNSBORO, WV 26415

- NOTES**
- 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.

STATE OF WEST VIRGINIA DEPT. OF ENERGY DIVISION OF OIL AND GAS  
 WELL TYPE: OIL \_\_\_ GAS  LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
 (IF "GAS") PRODUCTION \_\_\_ STORAGE  DEEP \_\_\_ SHALLOW   
 LOCATION: ELEVATION 1,185' ORIGINAL - 1,165' AS-DRILLED WATERSHED HEADWATERS MIDDLE ISLAND CREEK  
 QUADRANGLE WEST UNION 7.5' (TH) OXFORD 7.5' (BH) DISTRICT CENTRAL COUNTY DODDRIDGE  
 SURFACE OWNER MARY F. BROWN ACREAGE 49.43 ACRES +/-  
 OIL & GAS ROYALTY OWNER MARY F. BROWN; EDNA R. BRITTON ET AL; DOLLY KOZLOWSHI ET AL; HUGH HAYMOND ET AL; PERRY CHIPPS ET AL; GROVER JOHNSON ET UX; COUNTY COMMISSION N OF DODDRIDGE COUNTY; ANNE RULEY; GEORGE BEE ET AL 55.65 AC±; 95 AC±; 30 AC±; 146 AC±; 54.82 AC±; 47 AC±; 237 AC±; 51.5 AC±; 356.5 AC±  
 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 6,741' TVD 18,079' 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