

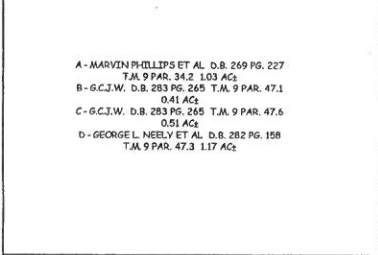
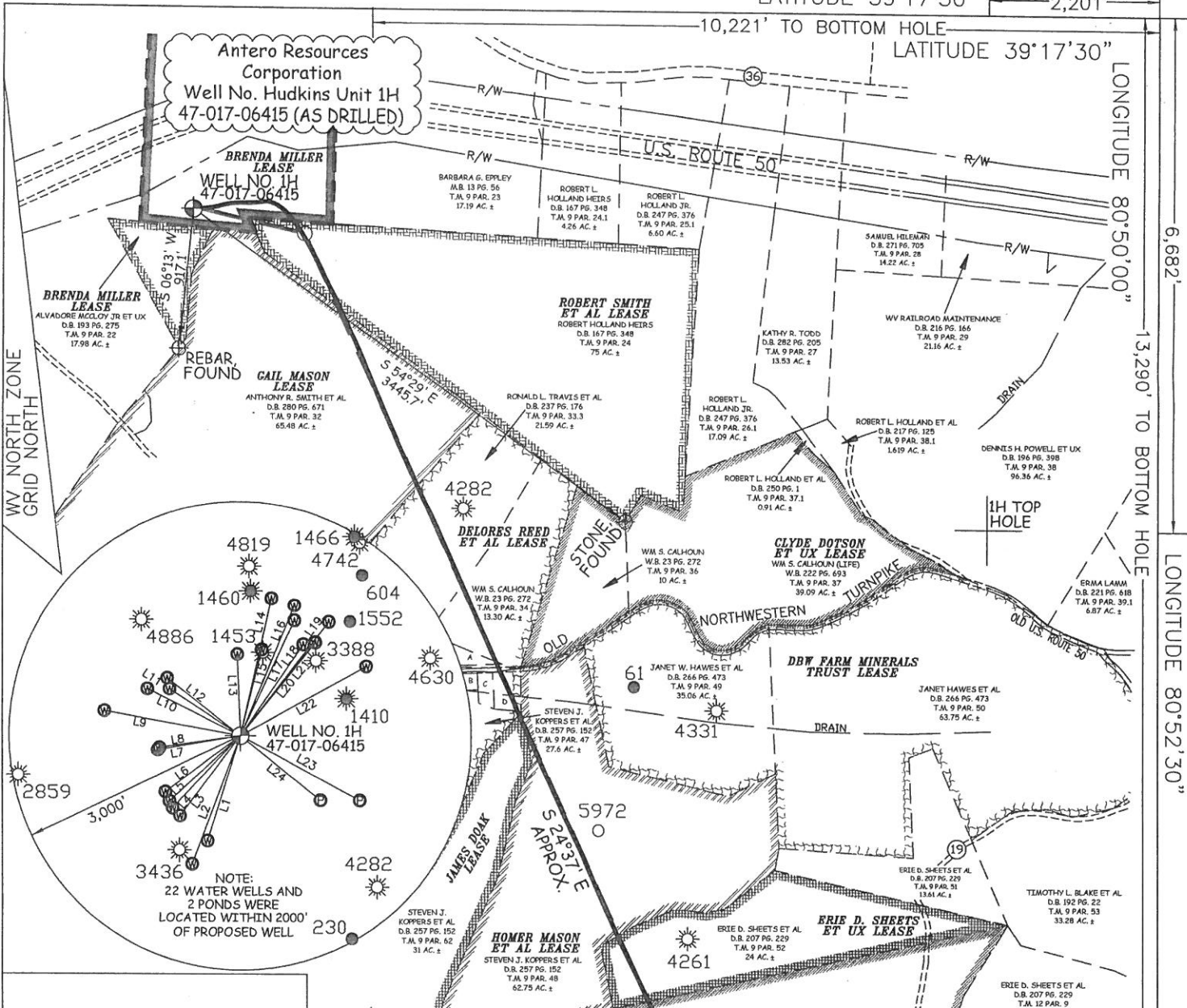
LATITUDE 39°17'30" 2,201'

LATITUDE 39°17'30"

LONGITUDE 80°50'00"

6,682'

LONGITUDE 80°52'30"

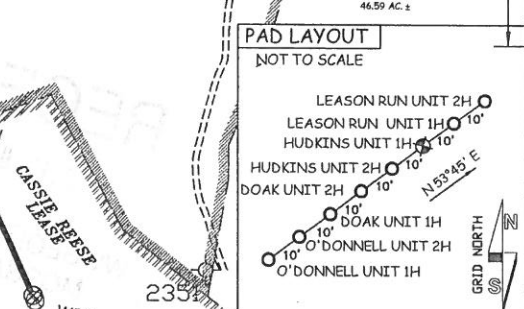


**AS DRILLED DATA:**  
**WELL 1H TOP HOLE INFORMATION:**  
 N: 284,672ft E: 1,608,543ft  
 LAT: 39°16'23.96" LON: 80°52'57.99"  
**BOTTOM HOLE INFORMATION:**  
 N: 278,007ft E: 1,612,221ft  
 LAT: 39°15'18.65" LON: 80°52'09.94"  
 WEST VIRGINIA COORDINATE SYSTEM OF 1927 NORTH ZONE.  
 ZONE WAS DERIVED 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: 4,347,124m E: 510,126m  
**BOTTOM HOLE INFORMATION:**  
 N: 4,345,112m E: 511,280m

LINE	BEARING	DISTANCE
L1	S 17°52' W	1415.04'
L2	S 21°05' W	1763.00'
L3	S 37°35' W	1298.22'
L4	S 43°42' W	1284.40'
L5	S 47°44' W	1253.61'
L6	S 53°31' W	1220.25'
L7	S 79°51' W	1098.01'
L8	S 81°12' W	1071.07'
L9	N 80°07' W	1797.94'
L10	N 63°58' W	1351.70'
L11	N 57°20' W	1100.65'
L12	N 52°31' W	1206.59'
L13	N 02°46' W	1043.78'
L14	N 12°31' E	1808.91'
L15	N 13°31' E	1135.82'
L16	N 22°21' E	1811.08'
L17	N 24°57' E	1634.43'
L18	N 34°27' E	1423.87'
L19	N 37°46' E	1856.43'
L20	N 38°31' E	1939.40'
L21	N 38°46' E	1535.36'
L22	N 61°02' E	1854.94'
L23	S 62°08' E	1749.53'
L24	N 51°44' W	1320.37'

- 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.



**JOB # 13-089WA**  
**DRAWING # HUDKINS1HAD**  
**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

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 1,083' 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; ROBERT SMITH ET AL; GAIL MASON; DELORES REED ET AL; LEASE ACREAGE 37.625 ACRES+; 75 ACRES+; 148.793 ACRES+; 75.6 ACRES+;  
 JAMES DOAK; HOMER MASON ET AL; ERIE D. SHEETS ET UX; ERIE D. SHEETS; CASSIE REESE 31 ACRES+; 62 ACRES+; 24 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 PLUG & ABANDON CLEAN OUT & REPLUG  
 TARGET FORMATION MARCELLUS ESTIMATED DEPTH 6,587' TVD 13,795' 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

COUNTY NAME PERMIT