

LATITUDE 39°22'30"

4,814'

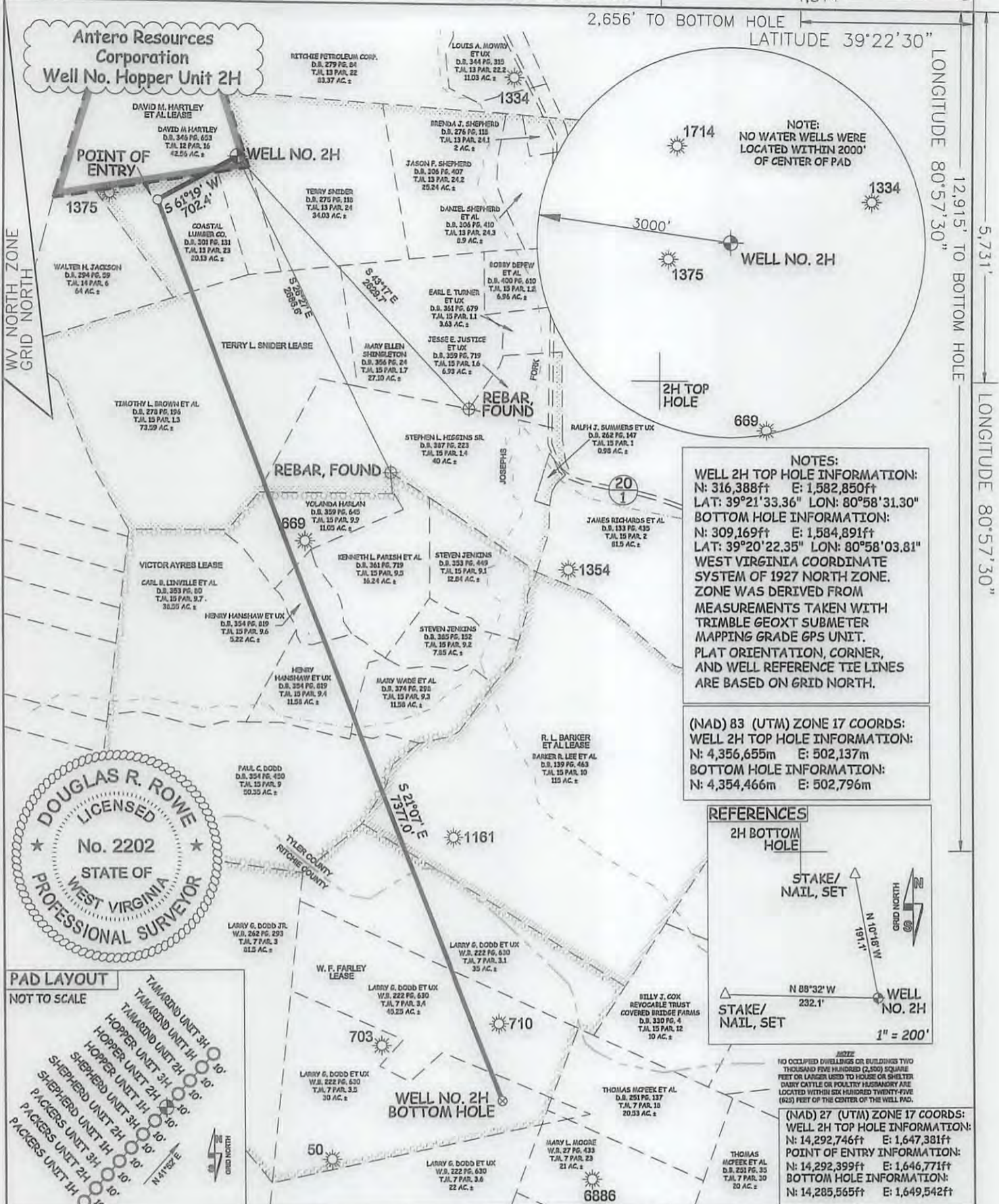
2,656' TO BOTTOM HOLE

LATITUDE 39°22'30"

LONGITUDE 80°57'30"

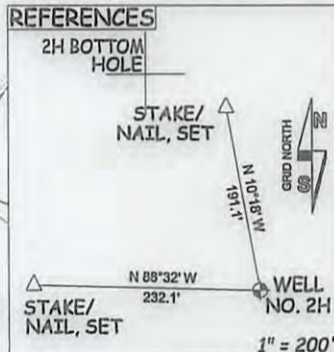
12,915' TO BOTTOM HOLE

LONGITUDE 80°57'30"



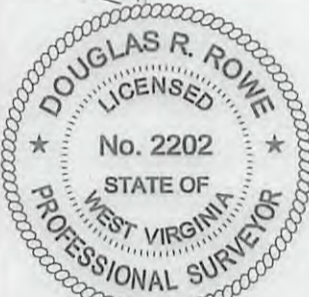
NOTES:
 WELL 2H TOP HOLE INFORMATION:
 N: 316,388ft E: 1,582,850ft
 LAT: 39°21'33.36" LON: 80°58'31.30"
 BOTTOM HOLE INFORMATION:
 N: 309,169ft E: 1,584,891ft
 LAT: 39°20'22.35" LON: 80°58'03.81"
 WEST VIRGINIA COORDINATE SYSTEM OF 1927 NORTH ZONE. ZONE WAS DERIVED FROM MEASUREMENTS TAKEN WITH TRIMBLE 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: 4,356,655m E: 502,137m
 BOTTOM HOLE INFORMATION:
 N: 4,354,466m E: 502,796m



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.

(NAD) 27 (UTM) ZONE 17 COORDS:
 WELL 2H TOP HOLE INFORMATION:
 N: 14,292,746ft E: 1,647,381ft
 POINT OF ENTRY INFORMATION:
 N: 14,292,399ft E: 1,646,771ft
 BOTTOM HOLE INFORMATION:
 N: 14,285,565ft E: 1,649,542ft



I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE RULES ISSUED AND PERSCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.



STATE OF WEST VIRGINIA, DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
 WILLOW LAND SURVEYING PLLC
 220 MASONIC AVENUE PENNSBORO WEST VIRGINIA 26415

LEGEND
 - - - Surface Owner Boundary Lines +/-
 - - - Interior Surface Tracts +/-
 X Existing Fence
 ⊕ Rebar, Found

DOUGLAS R. ROWE P.S. 2202
 DATE 09/09/16
 OPERATOR'S WELL# HOPPER 2H

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS") PRODUCTION STORAGE DEEP SHALLOW

LOCATION: ELEVATION 1,196 ORIGINAL - 1,178' PROPOSED WATERSHED OUTLET MIDDLE ISLAND CREEK
 QUADRANGLE PENNSBORO 7.5' DISTRICT MEADE COUNTY TYLER

SURFACE OWNER DAVID M. HARTLEY ACREAGE 42.56 ACRES +/-
 OIL & GAS ROYALTY OWNER DAVID M. HARTLEY ET AL; TERRY L. SNIDER; VICTOR AYRES; R.L. BARKER ET AL; W. F. FARLEY LEASE ACREAGE 42.56 AC±; 221.24 AC±; 167.5 AC±; 115 AC±; 192 AC±

PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE
 PLUG OFF OLD FORMATION PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____
 TARGET FORMATION MARCELLUS ESTIMATED DEPTH 6,500' TVD 14,900' MD

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

12/23/2016

COUNTY NAME PERMIT