

LATITUDE 39°17'30"

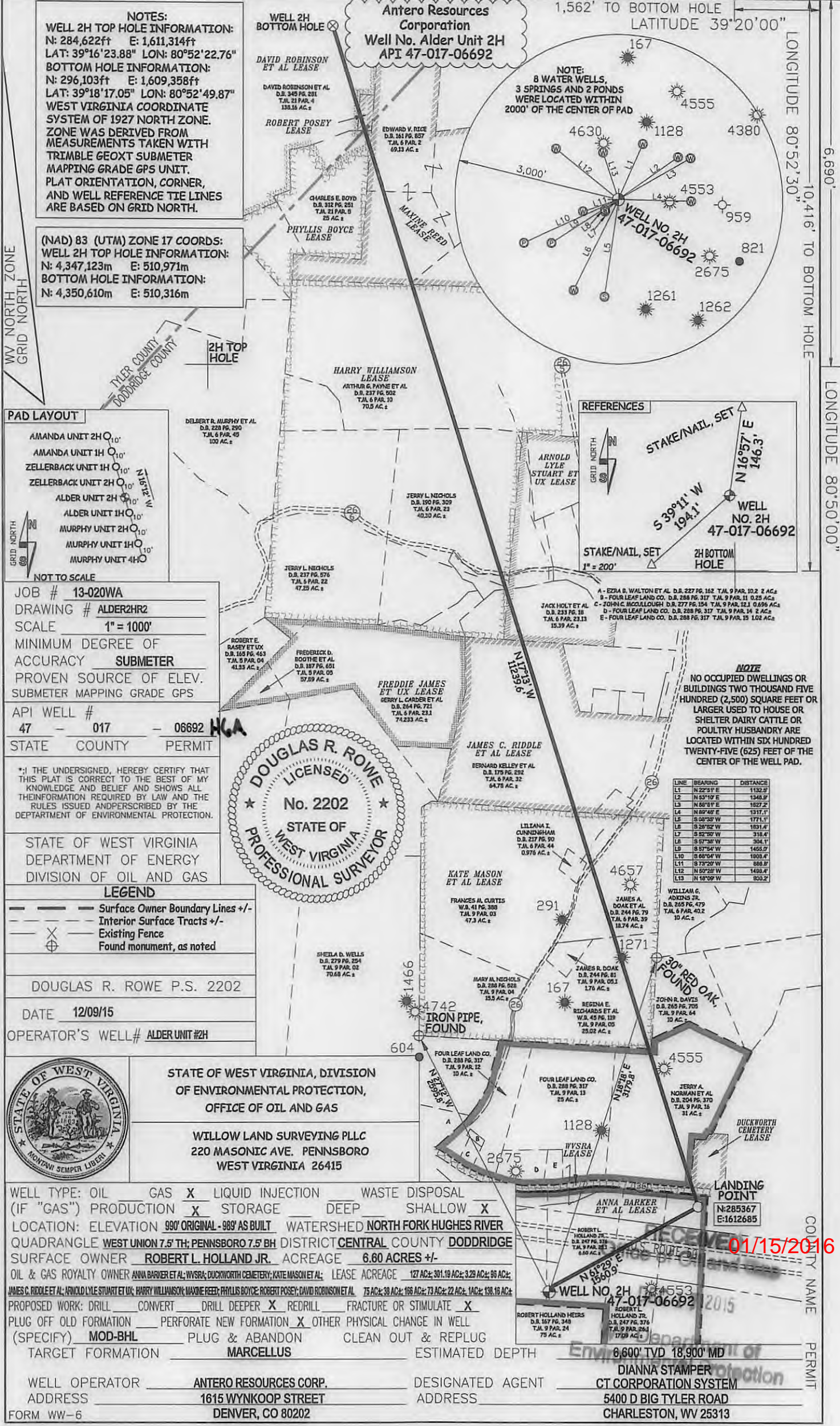
11,226'

1,562' TO BOTTOM HOLE
LATITUDE 39°20'00"

LONGITUDE 80°52'30"

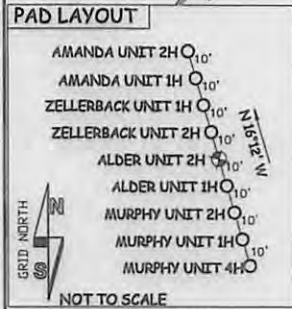
10,416' TO BOTTOM HOLE

LONGITUDE 80°50'00"



NOTES:
WELL 2H TOP HOLE INFORMATION:
 N: 284,622ft E: 1,611,314ft
 LAT: 39°16'23.88" LON: 80°52'22.76"
BOTTOM HOLE INFORMATION:
 N: 296,103ft E: 1,609,358ft
 LAT: 39°18'17.05" LON: 80°52'49.87"
 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: 4,347,123m E: 510,971m
BOTTOM HOLE INFORMATION:
 N: 4,350,610m E: 510,316m



JOB # 13-020WA
 DRAWING # ALDER2HR2
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY **SUBMETER**
 PROVEN SOURCE OF ELEV. SUBMETER MAPPING GRADE GPS
 API WELL # 47 - 017 - 06692
 STATE COUNTY PERMIT

*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 PRESCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.

STATE OF WEST VIRGINIA
 DEPARTMENT OF ENERGY
 DIVISION OF OIL AND GAS

LEGEND
 --- Surface Owner Boundary Lines +/-
 --- Interior Surface Tracts +/-
 --- Existing Fence
 ⊕ Found monument, as noted

DOUGLAS R. ROWE P.S. 2202
 DATE 12/09/15
 OPERATOR'S WELL# ALDER UNIT #2H



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

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS") PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION 990' ORIGINAL - 989' AS BUILT WATERSHED NORTH FORK HUGHES RIVER
 QUADRANGLE WEST UNION 7.5' TH; PENNSBORO 7.5' BH DISTRICT CENTRAL COUNTY DODDRIDGE
 SURFACE OWNER ROBERT L. HOLLAND JR. ACREAGE 6.60 ACRES +/-
 OIL & GAS ROYALTY OWNER ANNA BARKER ET AL; WYSRA; DUCKWORTH CEMETERY; KATE MASON ET AL; LEASE ACREAGE 127 AC; 381.19 AC; 3.29 AC; 30 AC;
JAMES C. RIDDLE ET AL; ARNOLD LYLE STUART ET UX; HARRY WILLIAMSON; MAYNIE REED; PHYLLIS BOYCE; ROBERT POSEY; DAVID ROBINSON ET AL; 75 AC; 38 AC; 106 AC; 73 AC; 22 AC; 142 AC; 138.16 AC;
 PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE
 PLUG OFF OLD FORMATION PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) MOD-BHL PLUG & ABANDON CLEAN OUT & REPLUG
 TARGET FORMATION MARCELLUS ESTIMATED DEPTH 6,600' TVD 18,900' MD
 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
 FORM WW-6 CHARLESTON, WV 25313

LINE	BEARING	DISTANCE
L1	N 22°17' E	1132.9'
L2	N 53°19' E	1340.9'
L3	N 60°17' E	1527.2'
L4	N 69°48' E	1317.1'
L5	S 08°38' W	1771.1'
L6	S 29°52' W	1631.4'
L7	S 52°38' W	318.4'
L8	S 57°38' W	304.1'
L9	S 67°54' W	1465.0'
L10	S 68°04' W	1800.4'
L11	S 73°20' W	588.0'
L12	N 02°58' W	1409.4'
L13	N 10°09' W	930.2'

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.

01/15/2016

COUNTY NAME PERMIT