

LATITUDE 39°17'30"

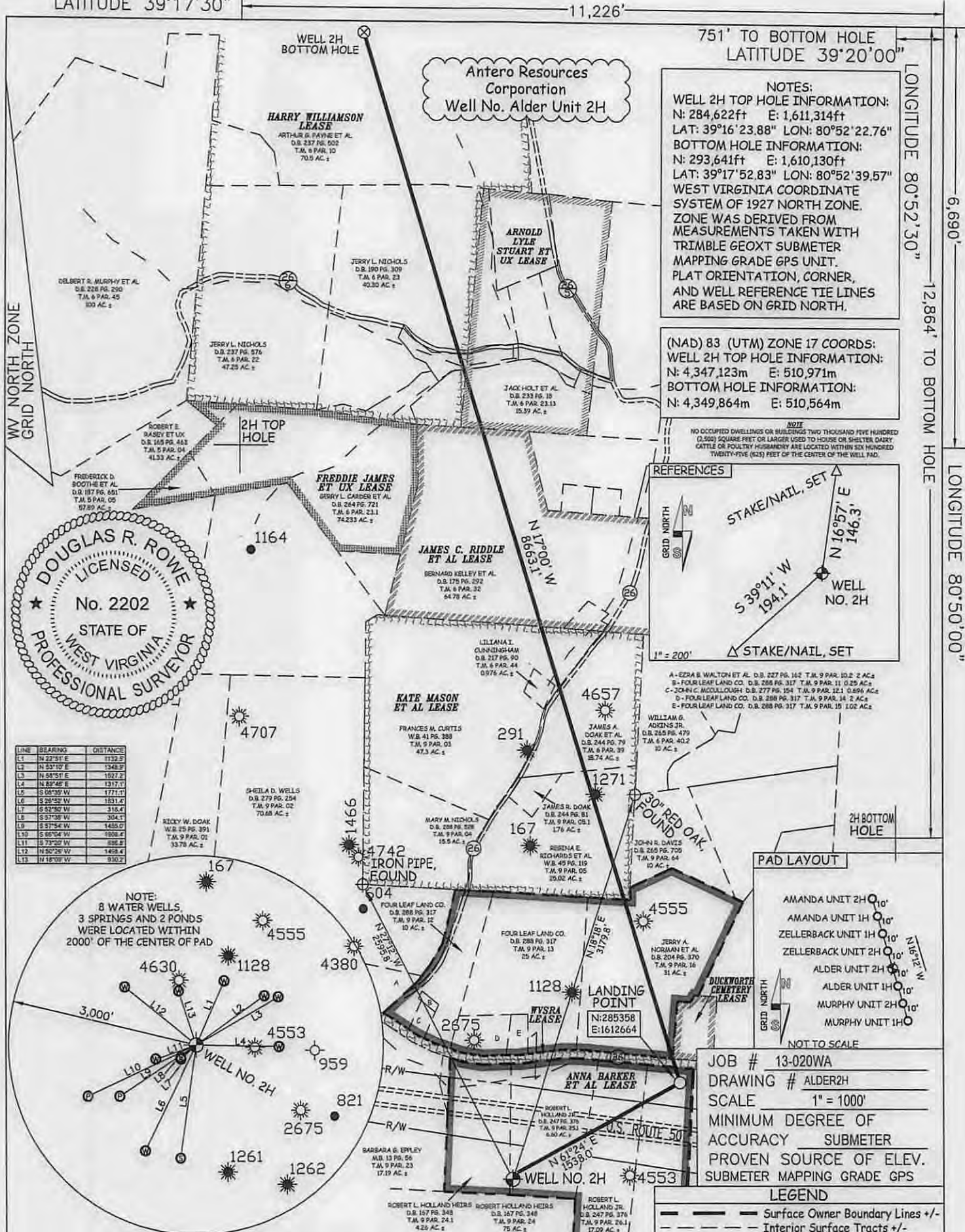
11,226'

751' TO BOTTOM HOLE
LATITUDE 39°20'00"

LONGITUDE 80°52'30"

12,864' TO BOTTOM HOLE

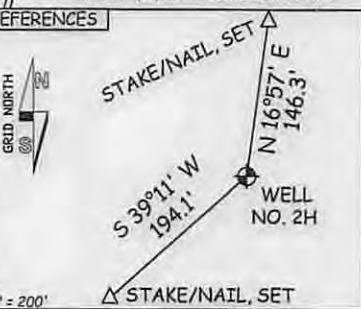
LONGITUDE 80°50'00"



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: 293,641ft E: 1,610,130ft
 LAT: 39°17'52.83" LON: 80°52'39.57"
 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.

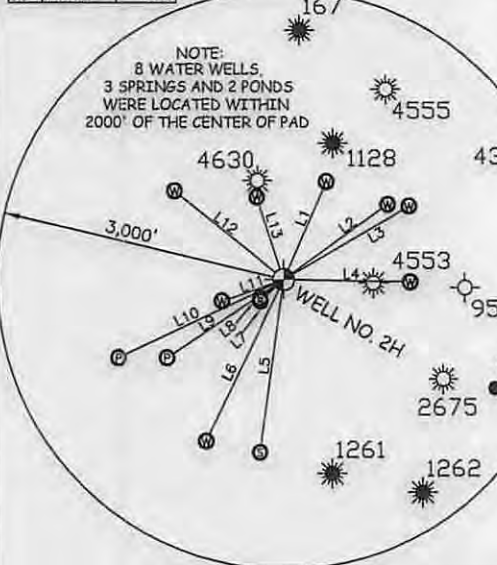
(NAD) 83 (UTM) ZONE 17 COORDS:
 WELL 2H TOP HOLE INFORMATION:
 N: 4,347,123m E: 510,971m
 BOTTOM HOLE INFORMATION:
 N: 4,349,864m E: 510,564m

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.

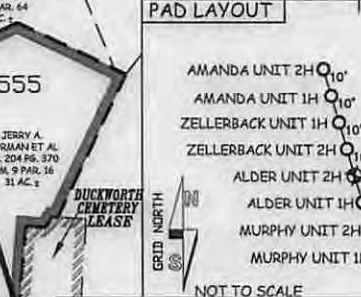


A - EZRA B. WALTON ET AL. D.B. 227 PG. 162 T.M. 9 PAR. 10.2 2 AC ±
 B - FOUR LEAF LAND CO. D.B. 288 PG. 317 T.M. 9 PAR. 11 0.25 AC ±
 C - JOHANN C. MCDONALD D.B. 277 PG. 194 T.M. 9 PAR. 12.1 0.65 AC ±
 D - FOUR LEAF LAND CO. D.B. 288 PG. 317 T.M. 9 PAR. 14 2 AC ±
 E - FOUR LEAF LAND CO. D.B. 288 PG. 317 T.M. 9 PAR. 15 1.02 AC ±

LINE	BEARING	DISTANCE
L1	N 22°31' E	1132.9
L2	N 53°10' E	1348.9
L3	N 58°51' E	1527.2
L4	N 89°46' E	1217.1
L5	S 04°30' W	1771.1
L6	S 26°52' W	1831.4
L7	S 21°50' W	216.4
L8	S 31°39' W	304.1
L9	S 51°54' W	1458.0
L10	S 85°04' W	1000.8
L11	S 73°02' W	836.8
L12	N 50°26' W	1468.4
L13	N 18°07' W	930.2



WILLIAM G. ADKINS JR. D.B. 285 PG. 479 T.M. 9 PAR. 40.2 10 AC ±
 JOHN R. DAVIS D.B. 255 PG. 705 T.M. 9 PAR. 44 10 AC ±
 JAMES A. COAK ET AL. D.B. 244 PG. 79 T.M. 6 PAR. 39 18.74 AC ±
 JAMES R. DOAK D.B. 244 PG. 81 176 AC ±
 JOHN R. DAVIS D.B. 255 PG. 705 T.M. 9 PAR. 44 10 AC ±
 JOHN R. DAVIS D.B. 255 PG. 705 T.M. 9 PAR. 44 10 AC ±



JOB # 13-020WA
 DRAWING # ALDER2H
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY SUBMETER
 PROVEN SOURCE OF ELEV. SUBMETER MAPPING GRADE GPS

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

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 AVE. PENNSBORO WEST VIRGINIA 26415

DOUGLAS R. ROWE P.S. 2202

DATE 10/28/14

OPERATOR'S WELL # ALDER UNIT 2H

API WELL # 47 - 017 - 066092

STATE COUNTY PERMIT

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

WELL TYPE: OIL GAS X LIQUID INJECTION WASTE DISPOSAL (IF "GAS") PRODUCTION X STORAGE DEEP SHALLOW X LOCATION: ELEVATION 989' WATERSHED WILHELM RUN QUADRANGLE WEST UNION 7.5'

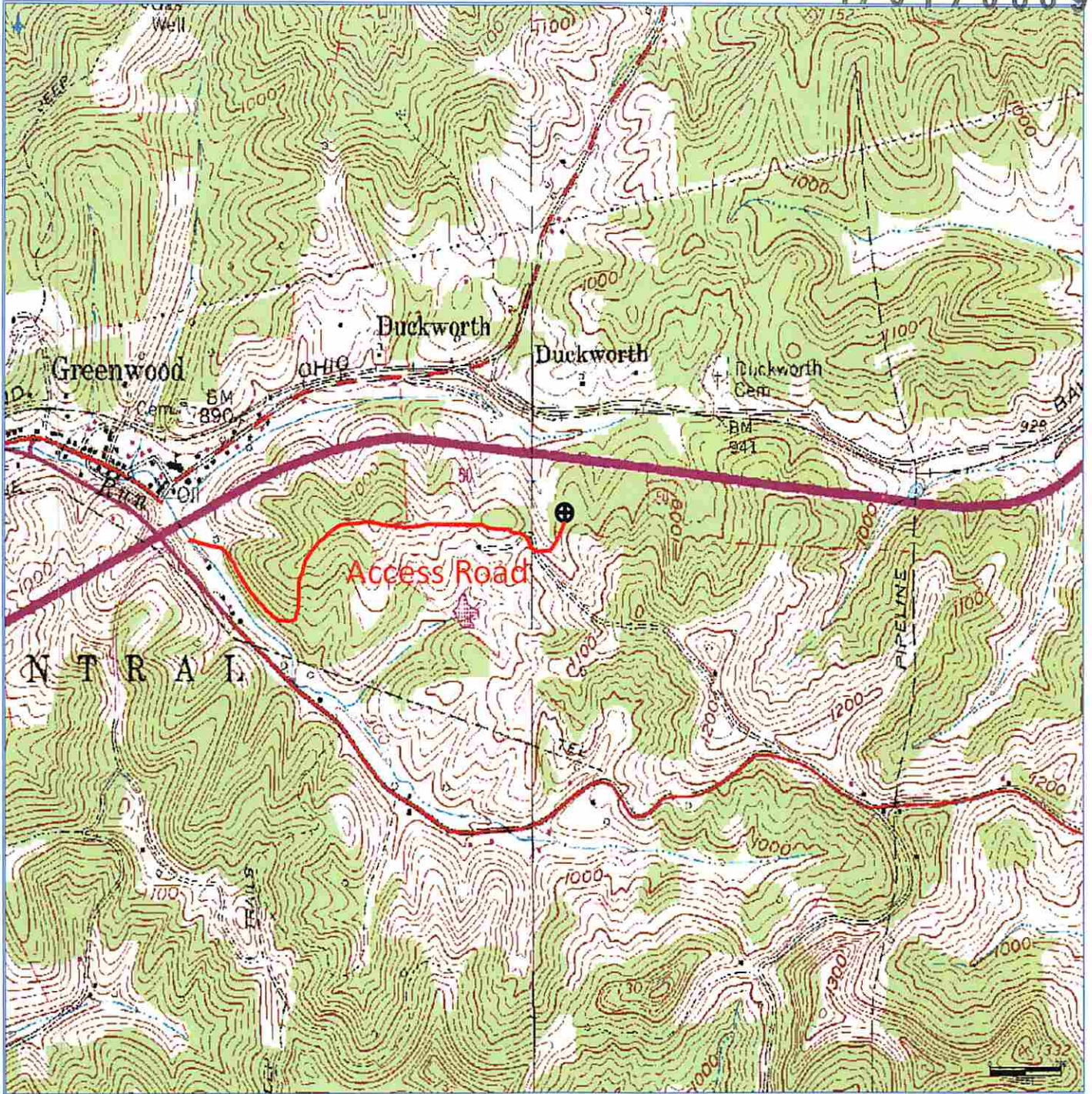
SURFACE OWNER ROBERT L. HOLLAND JR. ACREAGE 6.60 ACRES +/-

OIL & GAS ROYALTY OWNER ANNA BARKER ET AL.; WVSRA; KATE MASON ET AL.; LEASE ACREAGE 127 ACRES +/-; 301.19 ACRES +/-; 96 ACRES +/-; JAMES C. RIDDLE ET AL.; ARNOLD LYLE STUART ET UX; HARRY WILLIAMSON 75 ACRES +/-; 38 ACRES +/-; 166 ACRES +/-

PROPOSED WORK: DRILL X CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE X PLUG OFF OLD FORMATION PERFORATE NEW FORMATION X OTHER PHYSICAL CHANGE IN WELL (SPECIFY) PLUG & ABANDON CLEAN OUT & REPLUG

TARGET FORMATION MARCELLUS ESTIMATED DEPTH 6,600' TVD 16,400' MD

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



**Antero Resources
Corporation**
Appalachian Basin
Alder Unit 2H
Doddridge County

Quadrangle: West Union
Watershed: Wilhelm Run
District: Central
Date: 10-17-2013

Received
Office of Oil & Gas
NOV 24 2014