

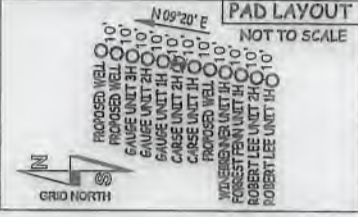
LATITUDE 39°27'30" 3,195'

LATITUDE 39°25'00"

Antero Resources Corporation Well No. Carse Unit 2H

NOTES: WELL 2H TOP HOLE INFORMATION: N: 337,346ft E: 1,584,810ft LAT: 39°25'00.81" LON: 80°58'10.71" BOTTOM HOLE INFORMATION: N: 325,442ft E: 1,587,939ft LAT: 39°23'03.66" LON: 80°57'28.37" 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: 4,363,050m E: 502,628m BOTTOM HOLE INFORMATION: N: 4,359,439m E: 503,642m



WV NORTH ZONE GRID NORTH

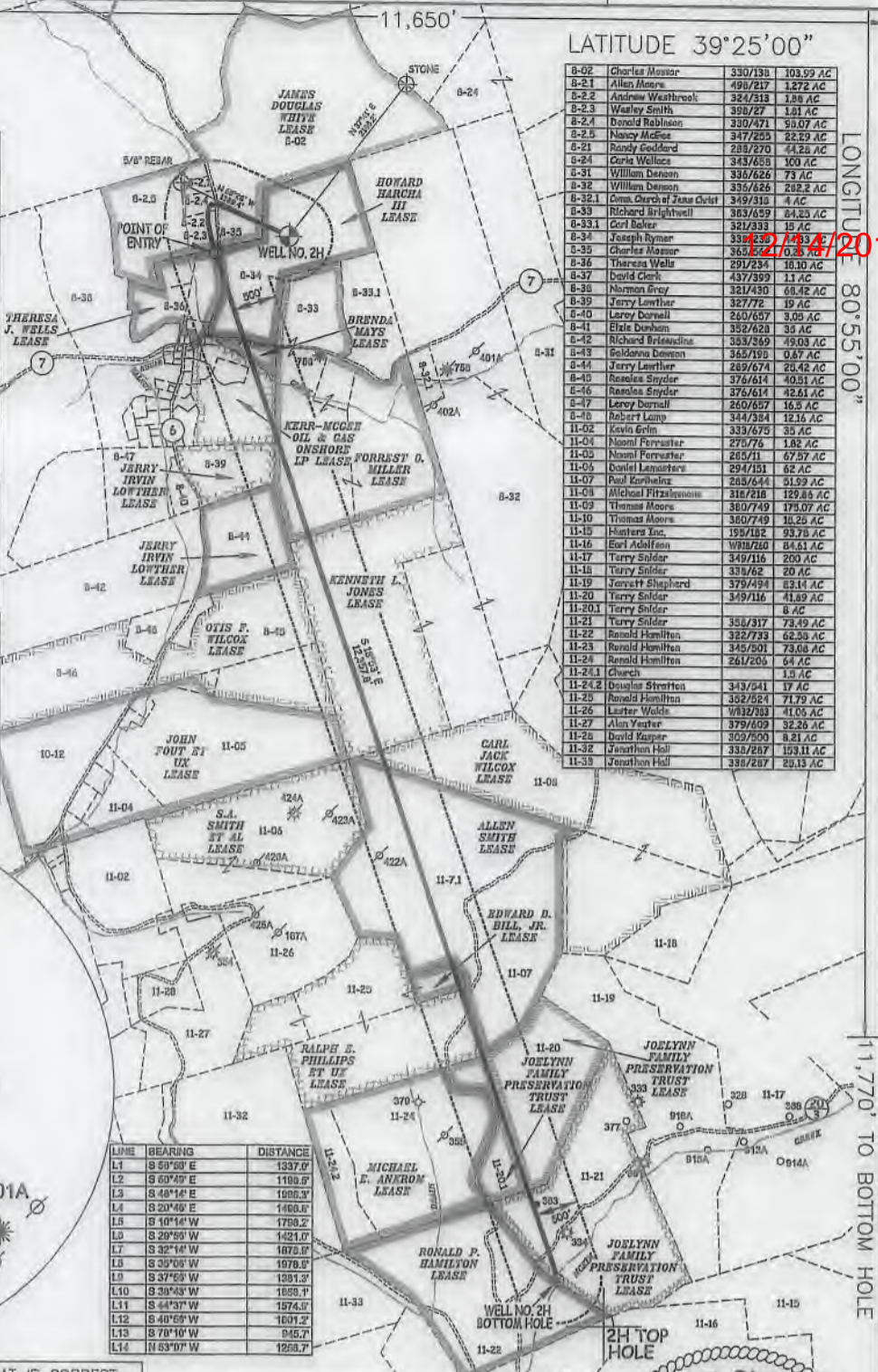


Table listing well numbers, owner names, and acreage. Includes wells 8-02 through 11-39.

LONGITUDE 80°55'00"

15,095'

LONGITUDE 80°57'30"

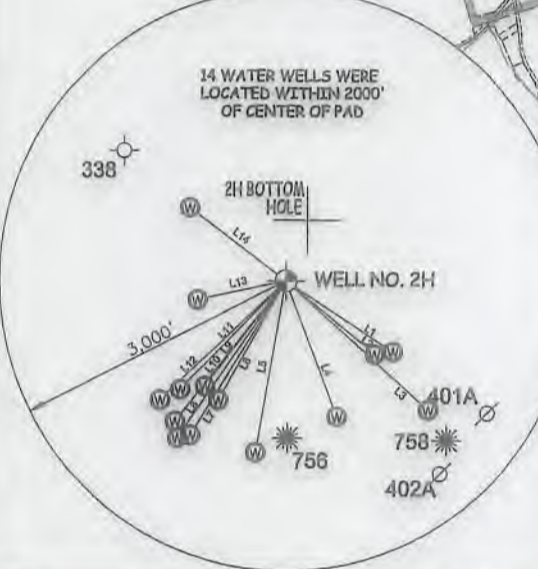


Table with columns: LINE, BEARING, DISTANCE. Lists lines L1 through L14 with their respective bearings and distances.

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.

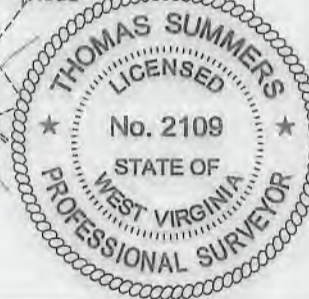


STATE OF WEST VIRGINIA, DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS

WILLOW LAND SURVEYING PLLC 220 MASONIC AVE. PENNSBORO WEST VIRGINIA 26415

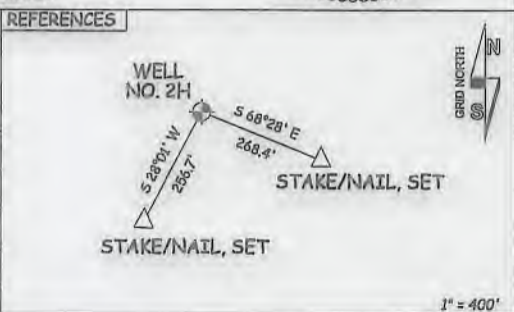
(NAD) 27 (UTM) ZONE 17 COORDS: WELL 2H TOP HOLE INFORMATION: N: 14,313,727ft E: 1,648,991ft POINT OF ENTRY INFORMATION: N: 14,313,501ft E: 1,648,125ft BOTTOM HOLE INFORMATION: N: 14,301,881ft E: 1,652,318ft

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.



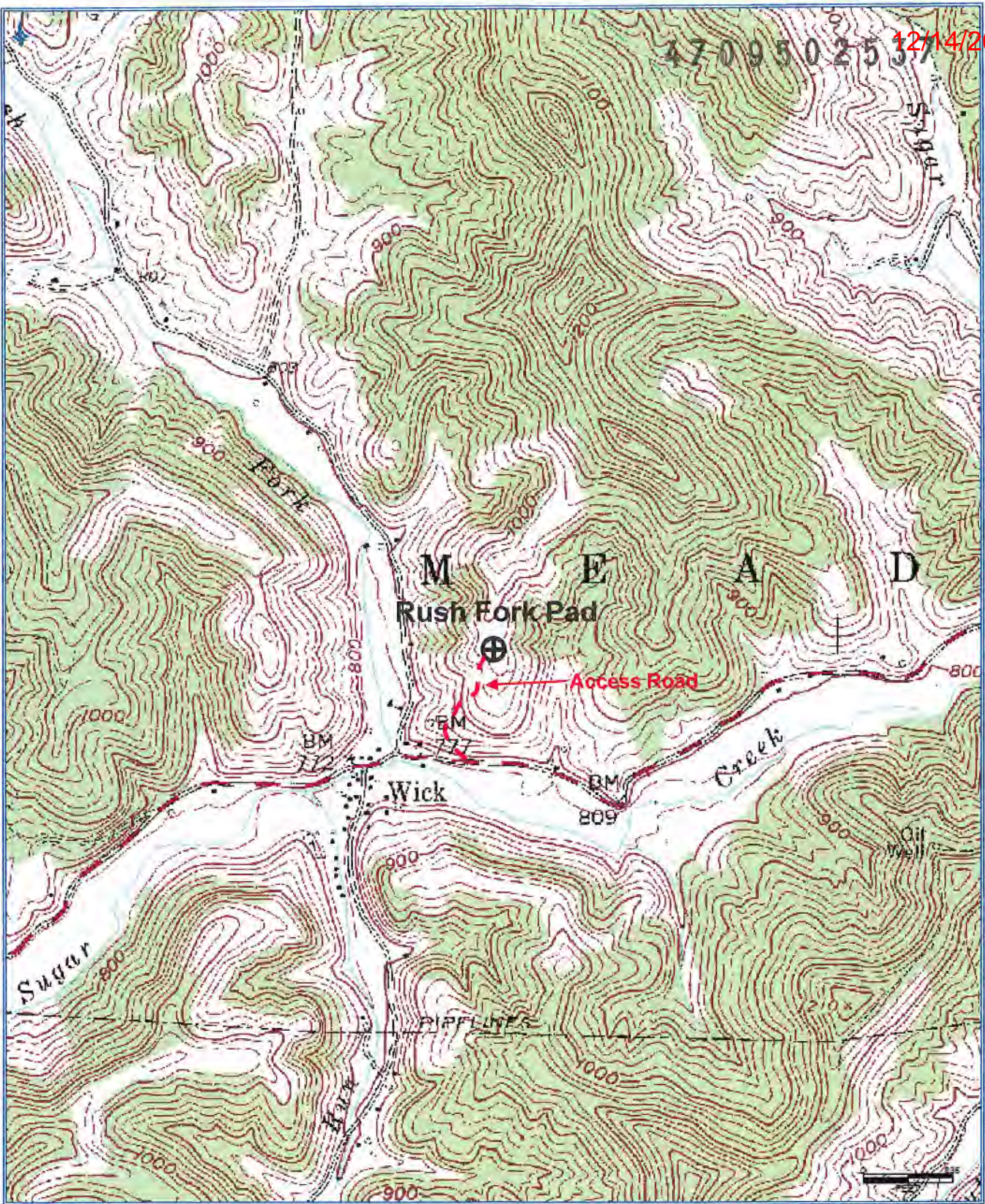
JOB # 17-022WA DRAWING # CARSE2HR1 SCALE 1" = 2000' MINIMUM DEGREE OF ACCURACY SUBMETER PROVEN SOURCE OF ELEV. SUBMETER MAPPING GRADE GPS STATE OF WEST VIRGINIA DEPARTMENT OF ENERGY DIVISION OF OIL AND GAS

LEGEND: Surface Owner Boundary Lines +/- Interior Surface Tracts +/- Existing Fence Found monument, as noted THOMAS SUMMERS P.S. 2109 DATE 08/08/18 OPERATOR'S WELL# CARSE UNIT #2H



WELL TYPE: OIL GAS X LIQUID INJECTION WASTE DISPOSAL 47 095 02537 (IF "GAS") PRODUCTION X STORAGE DEEP SHALLOW X STATE COUNTY PERMIT LOCATION: ELEVATION 988' - AS BUILT WATERSHED OUTLET MIDDLE ISLAND CREEK QUADRANGLE MIDDLEBOURNE 7.5' DISTRICT MEADE COUNTY TYLER SURFACE OWNER JOSEPH R. RYMER JR. ACREAGE 44.33 ACRES +/- OIL & GAS ROYALTY OWNER HOWARD HARCHA II; JAMES D. WHITE; THERESA J. WELLS; BRENDA MAYS; LEASE ACREAGE 44.33 AC +/- 134.53 AC +/- 17.5 AC +/- 3.27 AC +/- KERR-McGEE OIL & GAS ONSHORE LP; FORREST MILLER; KENNETH JONES; CARL JACK WILCOX; ALLEN SMITH; EDWARD D. BILL JR.; 23.97 AC +/- 84.88 AC +/- 85.5 AC +/- 129.85 AC +/- 149.18 AC +/- 5.5 AC +/- RALPH PHILLIPS ET UX; JOELYNN FAMILY PRESERVATION TRUST; JOELYNN FAMILY PRESERVATION TRUST 66.3 AC +/- 8 AC +/- 41.89 AC +/- 73.49 AC +/- PROPOSED WORK: DRILL CONVERT DRILL DEEPER X REDRILL FRACTURE OR STIMULATE X PLUG OFF OLD FORMATION PERFORATE NEW FORMATION X OTHER PHYSICAL CHANGE IN WELL (SPECIFY) MOD-BHL PLUG & ABANDON CLEAN OUT & REPLUG TARGET FORMATION MARCELLUS ESTIMATED DEPTH 6,700' TVD 20,500' MD WELL OPERATOR ANTERO RESOURCES CORP. DESIGNATED AGENT DIANNA STAMPER - CT CORPORATION SYSTEM ADDRESS 1615 WYNKOOP ST. ADDRESS 5400 D BIG TYLER ROAD CHARLESTON, WV 25313 FORM WW-6 DENVER, CO 80202

12/14/2018



RECEIVED
Office of Oil and Gas

OCT 25 2018

WV Department of
Environmental Protection

Antero Resources Corporation

Appalachian Basin

Rush Fork Pad

Doddridge County

Quadrangle: Middlebourne

Watershed: Middle Island Creek

District: Meade

Date: 3-14-2017