

LATITUDE 39°25'00"

11,466'

3,357' TO BOTTOM HOLE

LATITUDE 39°25'00"

LONGITUDE 80°52'30"

4,520' TO BOTTOM HOLE

13,081'

LONGITUDE 80°50'00"

Antero Resources Corporation Well No. Pierson Unit 4H

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.

WELL 4H BOTTOM HOLE

CARL W. ASH LEASE

JOSEPH McCRAY D.B. 352 PG. 440 T.J.L. 12 PAR. 31 240.81 AC. ±

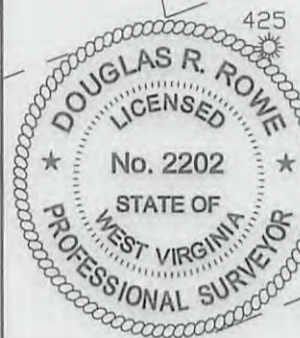
JOSEPH McCRAY D.B. 352 PG. 440 T.J.L. 11 PAR. 11 61.79 AC. ±

WELL NO. 4H

3 WATER WELLS WERE LOCATED WITHIN 2000' OF CENTER OF PAD

4H BOTTOM HOLE

WW NORTH ZONE GRID NORTH



NOTES: WELL 4H TOP HOLE INFORMATION: N: 323,757ft E: 1,611,655ft LAT: 39°22'50.71" LON: 80°52'26.03" BOTTOM HOLE INFORMATION: N: 332,374ft E: 1,608,118ft LAT: 39°24'15.33" LON: 80°53'12.77" 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 4H TOP HOLE INFORMATION: N: 4,359,047m E: 510,875m BOTTOM HOLE INFORMATION: N: 4,361,654m E: 509,754m

(NAD) 27 (UTM) ZONE 17 COORDS: WELL 4H TOP HOLE INFORMATION: N: 14,300,592ft E: 1,676,050ft POINT OF ENTRY INFORMATION: N: 14,300,542ft E: 1,675,478ft BOTTOM HOLE INFORMATION: N: 14,309,146ft E: 1,672,370ft

JOB # 16-043WA DRAWING # PIERSON4H SCALE 1" = 1000' MINIMUM DEGREE OF ACCURACY SUBMETER PROVEN SOURCE OF ELEV. SUBMETER MAPPING GRADE GPS

LEGEND: Surface Owner Boundary Lines +/- Interior Surface Tracts +/- Existing Fence Monument, Found As Specified

DOUGLAS R. ROWE P.S. 2202

DATE 08/10/16

OPERATOR'S WELL# PIERSON UNIT #4H

API WELL # 47 - 095 - 02416 HGA 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 REGULATIONS ISSUED AND PERSCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.

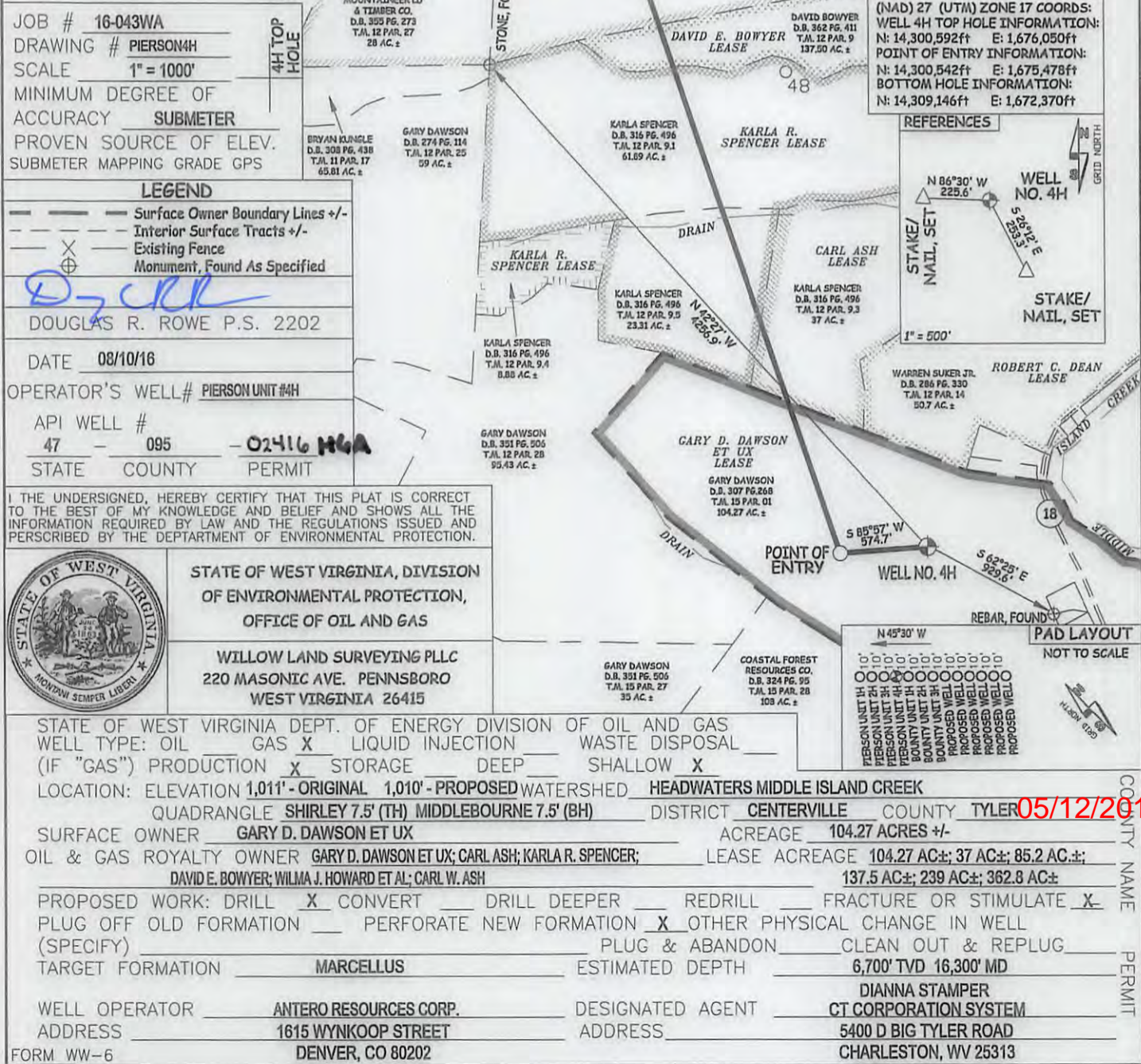


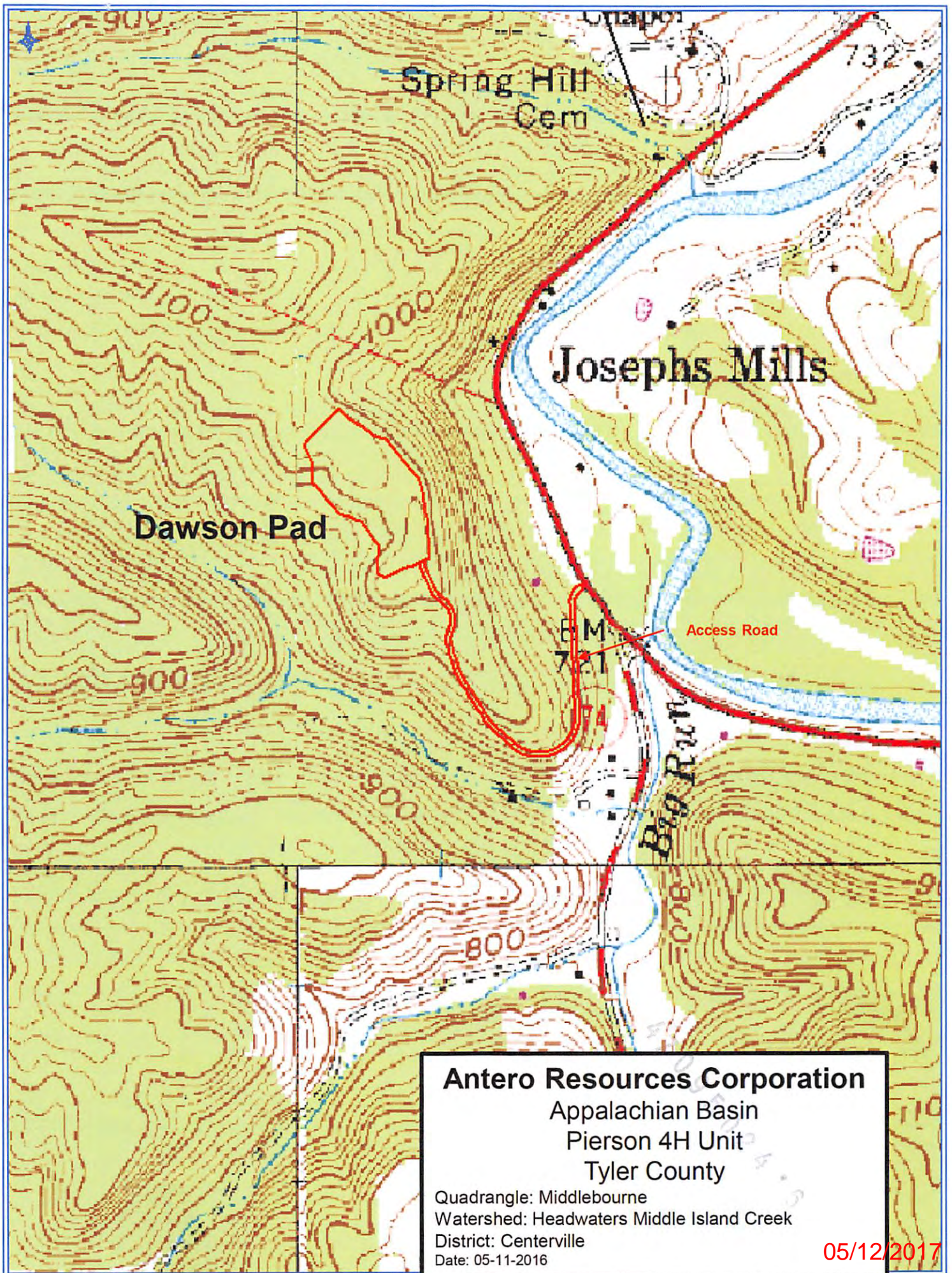
STATE OF WEST VIRGINIA, DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS. WILLOW LAND SURVEYING PLLC 220 MASONIC AVE. PENNSBORO WEST VIRGINIA 26415

STATE OF WEST VIRGINIA DEPT. 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 1,011' - ORIGINAL 1,010' - PROPOSED WATERSHED HEADWATERS MIDDLE ISLAND CREEK QUADRANGLE SHIRLEY 7.5' (TH) MIDDLEBOURNE 7.5' (BH) DISTRICT CENTERVILLE COUNTY TYLER

SURFACE OWNER GARY D. DAWSON ET UX ACREAGE 104.27 ACRES +/- OIL & GAS ROYALTY OWNER GARY D. DAWSON ET UX; CARL ASH; KARLA R. SPENCER; LEASE ACREAGE 104.27 AC±; 37 AC±; 85.2 AC±; DAVID E. BOWYER; WILMA J. HOWARD ET AL; CARL W. ASH 137.5 AC±; 239 AC±; 362.8 AC±

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 6,700' TVD 16,300' MD WELL OPERATOR ANTERO RESOURCES CORP. DESIGNATED AGENT DIANNA STAMPER CT CORPORATION SYSTEM ADDRESS 1615 WYNKOOP STREET ADDRESS 5400 D BIG TYLER ROAD DENVER, CO 80202 CHARLESTON, WV 25313





Antero Resources Corporation
Appalachian Basin
Pierson 4H Unit
Tyler County

Quadrangle: Middlebourne
Watershed: Headwaters Middle Island Creek
District: Centerville
Date: 05-11-2016

05/12/2017