

LATITUDE 39°20'00"

7,127'

10,756' TO BOTTOM HOLE

LATITUDE 39°22'30"

Antero Resources Corporation Well No. Laser Unit 4H

NOTES: WELL 4H TOP HOLE INFORMATION: N: 296,532ft E: 1,650,966ft LAT: 39°18'27.28" LON: 80°44'00.67" BOTTOM HOLE INFORMATION: N: 307,249ft E: 1,647,480ft LAT: 39°20'12.72" LON: 80°44'46.90" 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: 4,350,953m E: 522,990m BOTTOM HOLE INFORMATION: N: 4,354,200m E: 521,974m

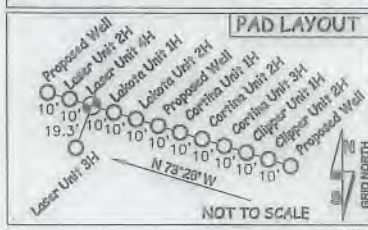


Table listing landowners and lease information for various well numbers (e.g., 05-04, 05-06, 05-07, etc.) including names like Larry Williams, Kinney Cemetery, Diana Knight, etc.

WV NORTH ZONE GRID NORTH

LONGITUDE 80°42'30"

9,382'

13,889' TO BOTTOM HOLE

LONGITUDE 80°42'30"



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.

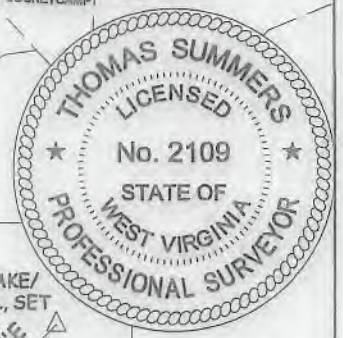
NOTE: NO OCCUPIED DWELLINGS OR BUILDINGS TWO THOUSAND FIVE HUNDRED (2,500) SQUARE FEET OR LARGER USED TO HOUSE OR SHELTER DAIRY CATTLE OR POULTRY HUSBANDRY ARE LOCATED WITHIN SIX HUNDRED TWENTY-FIVE (625) FEET OF THE CENTER OF THE WELL PAD.



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

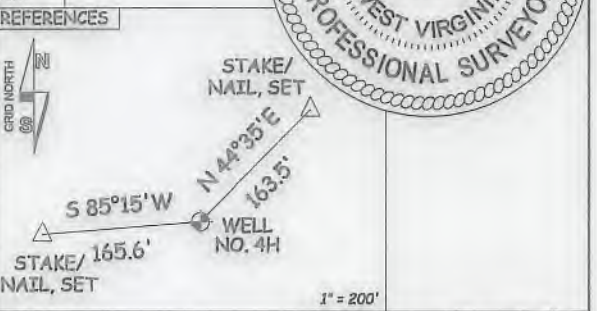
WILLOW LAND SURVEYING PLLC 220 MASONIC AVE. PENNSBORO WEST VIRGINIA 26415

(NAD) 27 (UTM) ZONE 17 COORDS: WELL 4H TOP HOLE INFORMATION: N: 14,274,036ft E: 1,715,795ft POINT OF ENTRY INFORMATION: N: 14,274,045ft E: 1,715,560ft BOTTOM HOLE INFORMATION: N: 14,284,690ft E: 1,712,133ft

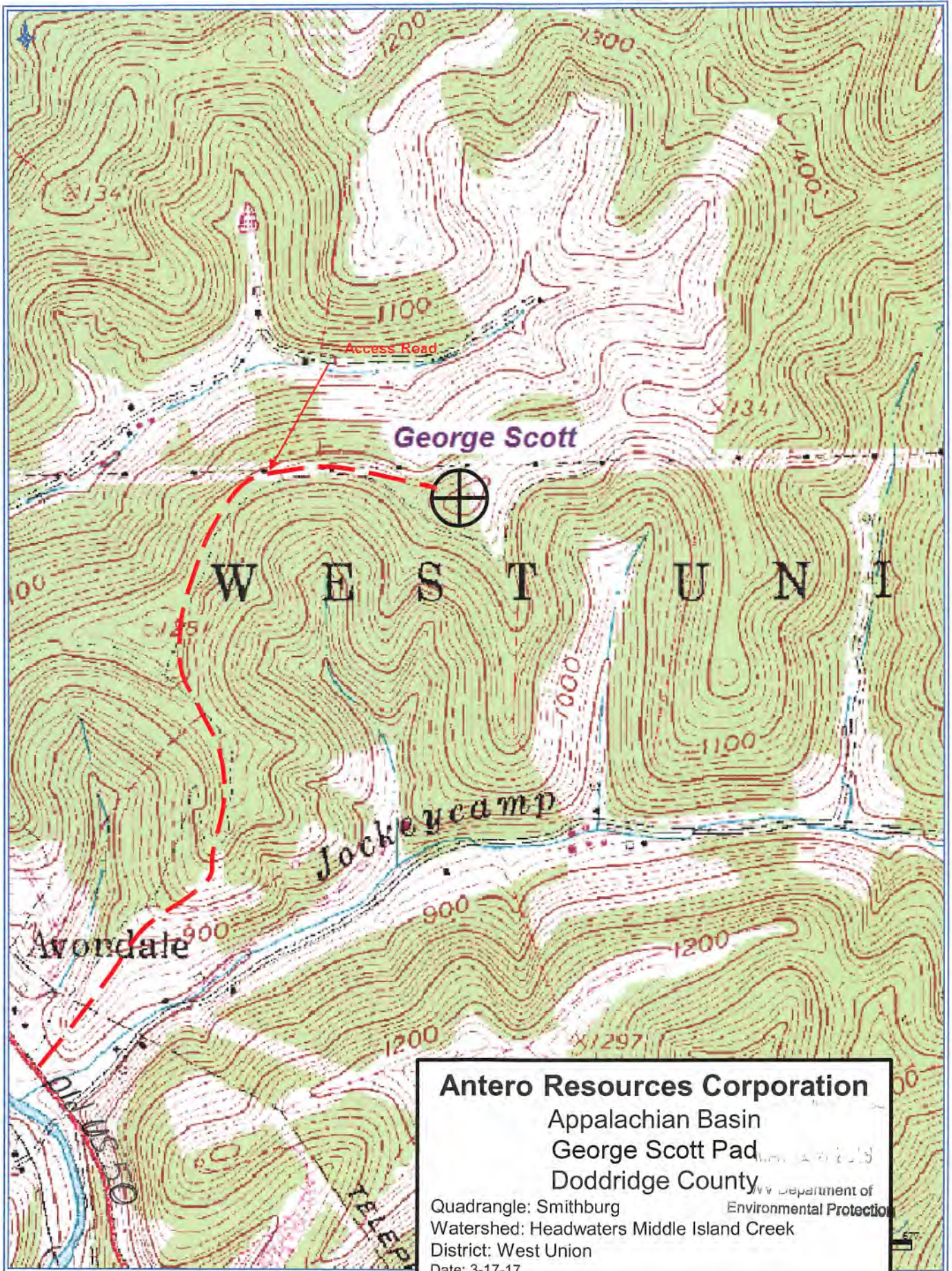


JOB # 17-025WA DRAWING # LASER4H SCALE 1" = 2000' MINIMUM DEGREE OF ACCURACY SUBMETER PROVEN SOURCE OF ELEV. SUBMETER MAPPING GRADE GPS STATE OF WEST VIRGINIA DEPARTMENT OF ENERGY DIVISION OF OIL AND GAS

LEGEND: Surface Owner Boundary Lines +/-, Interior Surface Tracts +/-, Existing Fence, Found monument, as noted. THOMAS SUMMERS P.S. 2109 DATE 05/09/19 OPERATOR'S WELL# LASER UNIT 4H



WELL TYPE: OIL GAS X LIQUID INJECTION WASTE DISPOSAL 47 - 017 - 06895 (IF "GAS") PRODUCTION X STORAGE DEEP SHALLOW X STATE COUNTY PERMIT LOCATION: ELEVATION 1,283' AS-BUILT WATERSHED HEADWATERS MIDDLE ISLAND CREEK QUADRANGLE SMITHBURG 7.5 DISTRICT WEST UNION COUNTY DODDRIDGE SURFACE OWNER GEORGE S. WYCKOFF ACREAGE 104.27 ACRES +/- OIL & GAS ROYALTY OWNER V.B. CHAPMAN ET UX; JOHNSON B. SMITH ET UX; S.A. SMITH ET AL; LEASE ACREAGE 156 ACRES; 180 ACRES; 19.18 ACRES; APPALACHIAN ROYALTIES, INC.; P.S. COWMAN ET UX; DIXIE J. CRAIG; PAMELA R. SCOTT; EDGAR DAVISSON ET UX; 12.13 ACRES; 105.93 ACRES; 66.75 ACRES; 32 ACRES; 230 ACRES; MICHAEL T. OBRIEN ET UX; ED BROOME INC.; LORELEI PHILLIPS ET AL; MARIE K. COX ET AL; R. B. WHITE HEIRS 27 ACRES; 17.45 ACRES; 72 ACRES; 97 ACRES; 53 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 7,500' TVD 19,500' MD WELL OPERATOR ANTERO RESOURCES CORP. DESIGNATED AGENT DIANNA STAMPER - CT CORPORATION SYSTEM ADDRESS 1615 WYNKOOP ST. ADDRESS 5400 D BIG TYLER ROAD DENVER, CO 80202 CHARLESTON, WV 25313



Antero Resources Corporation
Appalachian Basin
George Scott Pad
Doddridge County
Quadrangle: Smithburg
Watershed: Headwaters Middle Island Creek
District: West Union
Date: 3-17-17

WV Department of Environmental Protection