

LATITUDE 39°27'30"

8,198'

8,671' TO BOTTOM HOLE

LATITUDE 39°27'30"

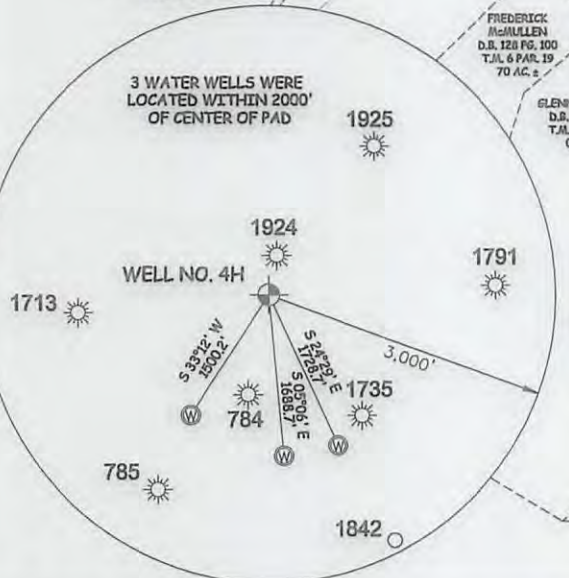
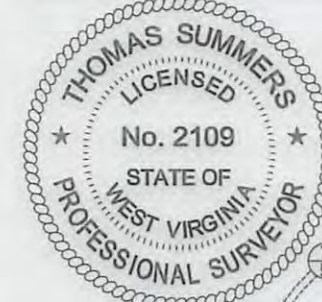
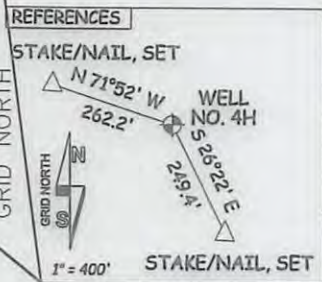
LONGITUDE 80°52'30"

12,063'

LONGITUDE 80°52'30"

Antero Resources Corporation Well No. San Juan 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.



NOTES: WELL 4H TOP HOLE INFORMATION: N: 340,081ft E: 1,603,394ft LAT: 39°25'30.77" LON: 80°54'14.47" BOTTOM HOLE INFORMATION: N: 349,252ft E: 1,603,062ft LAT: 39°27'01.35" LON: 80°54'20.54" 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.

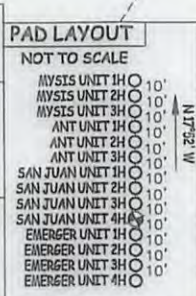
(NAD 83 (UTM) ZONE 17 COORDS: WELL 4H TOP HOLE INFORMATION: N: 4,363,978m E: 508,276m BOTTOM HOLE INFORMATION: N: 4,366,770m E: 508,128m

(NAD 27 (UTM) ZONE 17 COORDS: WELL 4H TOP HOLE INFORMATION: N: 14,316,771ft E: 1,667,521ft POINT OF ENTRY INFORMATION: N: 14,317,824ft E: 1,669,963ft BOTTOM HOLE INFORMATION: N: 14,325,931ft E: 1,667,035ft

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.



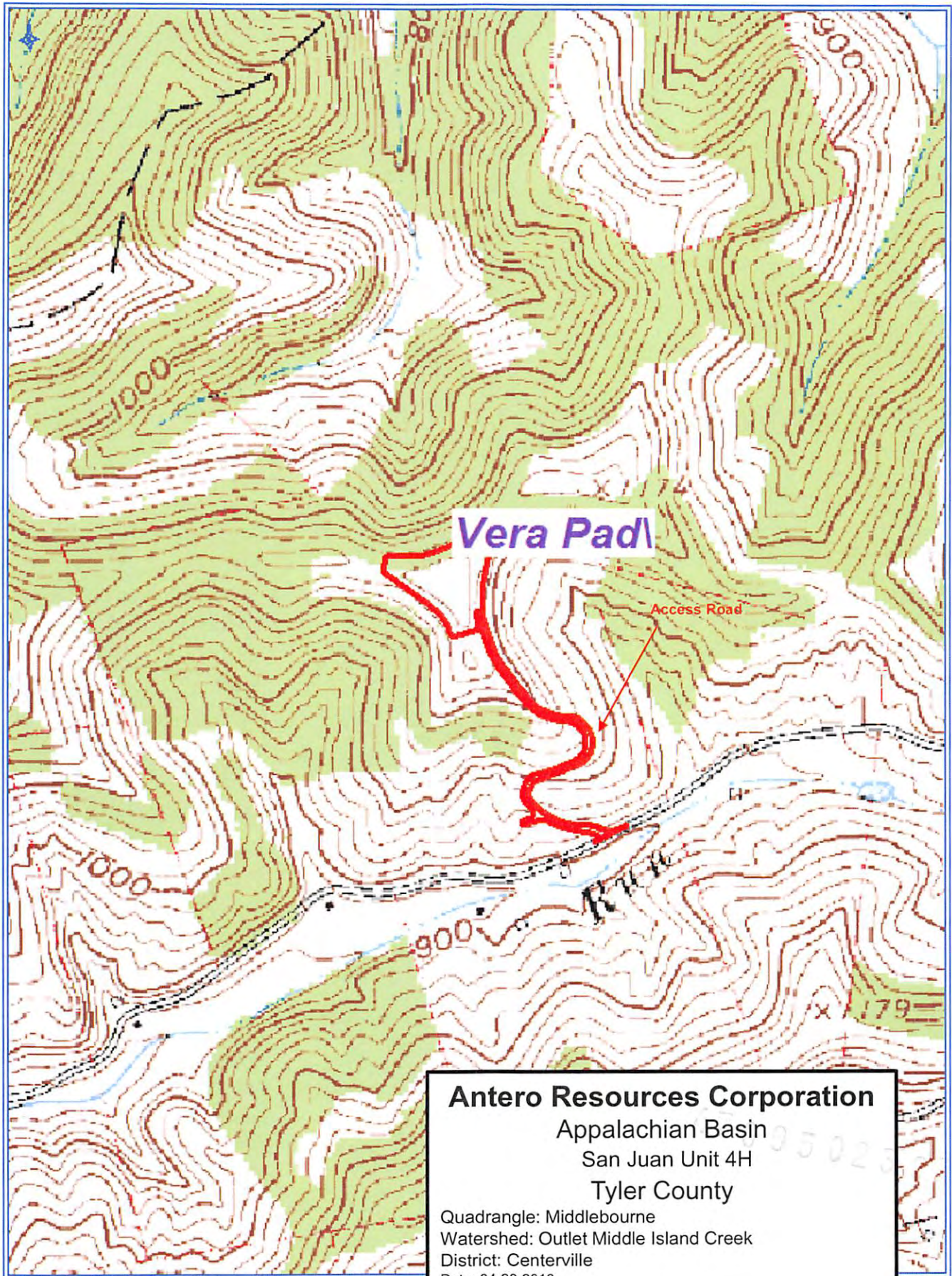
STATE OF WEST VIRGINIA, DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS. WILLOW LAND SURVEYING PLLC, 220 MASONIC AVE. PENNSBORO WEST VIRGINIA 26415



JOB # 16-042WA DRAWING # SAN JUAN4HR SCALE 1" = 1000' 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 07/14/16 OPERATOR'S WELL# SAN JUAN UNIT #4H

WELL TYPE: OIL GAS X LIQUID INJECTION WASTE DISPOSAL 47 095 02383 H4 COUNTY NAME PERMIT LOCATION: ELEVATION 1,168'-ORIGINAL 1,145'-PROPOSED WATERSHED OUTLET MIDDLE ISLAND CREEK QUADRANGLE MIDDLEBOURNE 7.5' DISTRICT CENTERVILLE COUNTY TYLER SURFACE OWNER VERA O. THOMAS ACREAGE 51.11 ACRES +/- OIL & GAS ROYALTY OWNER NORMAN H. THOMAS ET UX; PATRICIA A. RACER; CATHY JO ASH; MELVIN WILEY ET UX; LARRY D. LEASE ACREAGE 125 AC +/- 36.59 AC +/- 30 AC +/- 378 AC +/- 63 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 6,800' TVD 16,700' 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



Vera Pad

Access Road

**Antero Resources Corporation**

Appalachian Basin

San Juan Unit 4H

Tyler County

Quadrangle: Middlebourne

Watershed: Outlet Middle Island Creek

District: Centerville

Date: 04-20-2016