

LATITUDE 39°20'00"

4,828'

8,076' TO BOTTOM HOLE  
LATITUDE 39°22'30"

LONGITUDE 80°42'30"  
12,888' TO BOTTOM HOLE  
LONGITUDE 80°42'30"

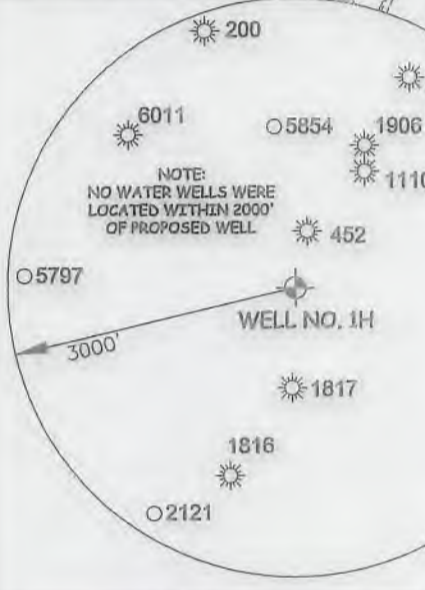
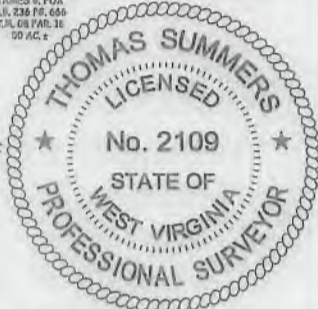
Antero Resources Corporation  
Well No. Telstar Unit 1H

NOTES:  
WELL 1H TOP HOLE INFORMATION:  
N: 299,011ft E: 1,653,298ft  
LAT: 39°18'52.09" LON: 80°43'31.43"  
BOTTOM HOLE INFORMATION:  
N: 308,214ft E: 1,650,174ft  
LAT: 39°20'22.62" LON: 80°44'12.79"  
WEST VIRGINIA COORDINATE SYSTEM OF 1927 NORTH 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.

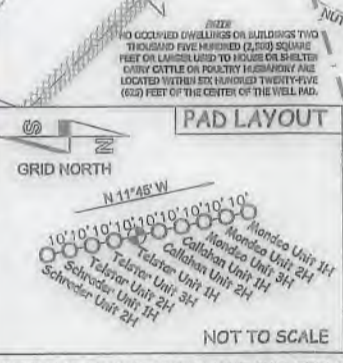
(NAD) 83 (UTM) ZONE 17 COORDS:  
WELL 1H TOP HOLE INFORMATION:  
N: 4,351,720m E: 523,688m  
BOTTOM HOLE INFORMATION:  
N: 4,354,508m E: 522,689m

REFERENCES  
1" = 200'  
5 83°01' W 153.0'  
N 43°45' E 167.5'  
STAKE/ NAIL, SET  
WELL NO. 1H  
STAKE/ NAIL, SET

(NAD) 27 (UTM) ZONE 17 COORDS:  
WELL 1H TOP HOLE INFORMATION:  
N: 14,276,552ft E: 1,718,085ft  
POINT OF ENTRY INFORMATION:  
N: 14,276,578ft E: 1,717,750ft  
BOTTOM HOLE INFORMATION:  
N: 14,285,699ft E: 1,714,809ft



THOMAS SUMMERS P.S. 2109  
DATE 09/20/18  
OPERATOR'S WELL# TELSTAR UNIT #1H  
API WELL # 47 - 017 - 06880  
STATE COUNTY PERMIT



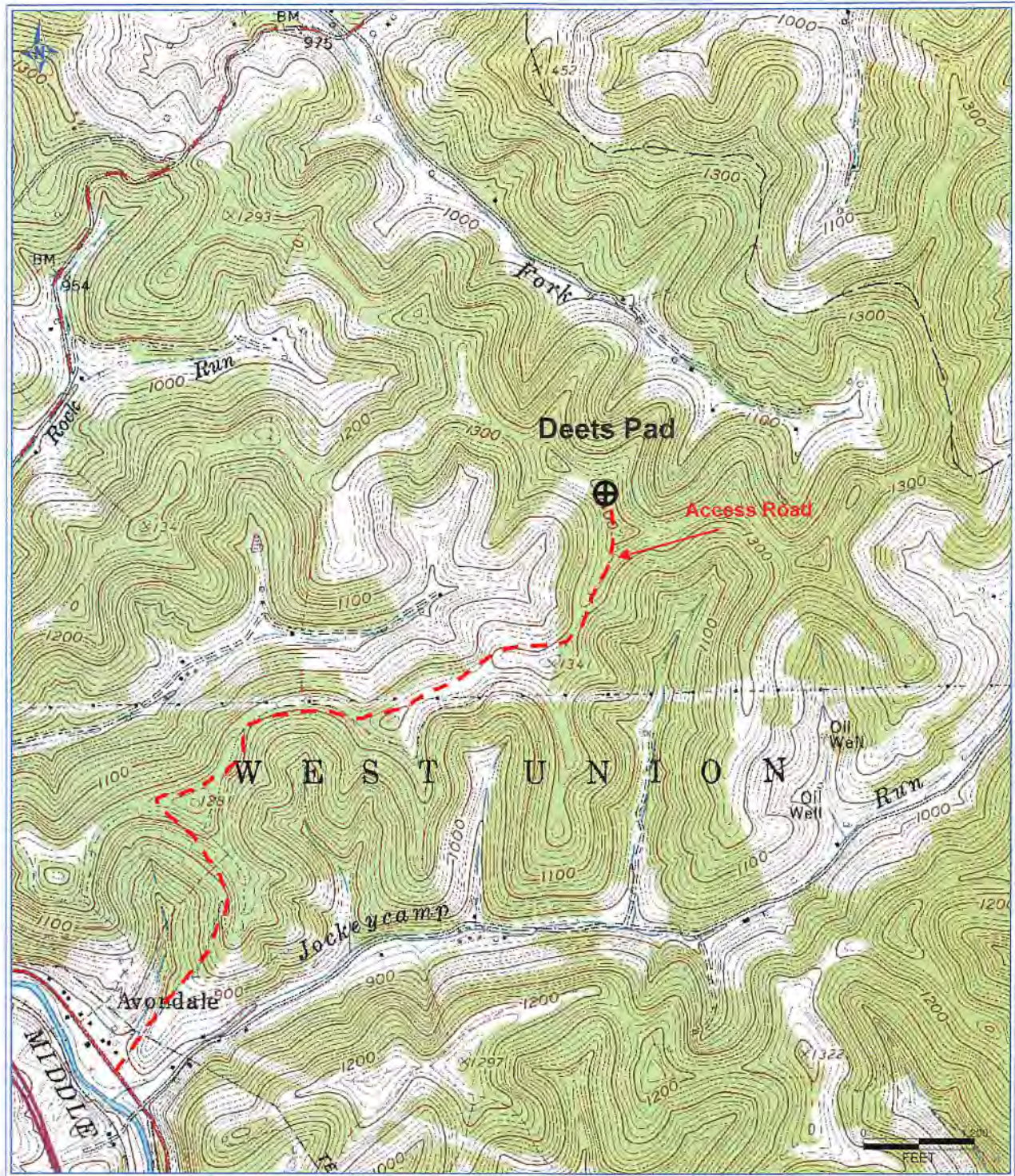
JOB # 17-026WA  
DRAWING # TELSTAR1HR  
SCALE 1" = 1000'  
MINIMUM DEGREE OF ACCURACY SUBMETER  
PROVEN SOURCE OF ELEV. SUBMETER MAPPING GRADE GPS  
STATE OF WEST VIRGINIA DEPARTMENT OF ENERGY DIVISION OF OIL AND GAS  
WELL TYPE: OIL GAS X LIQUID INJECTION WASTE DISPOSAL  
(IF "GAS") PRODUCTION X STORAGE DEEP SHALLOW X  
LOCATION: ELEVATION 1,422'-ORIGINAL 1,376'-PROPOSED WATERSHED HEADWATERS MIDDLE ISLAND CREEK  
QUADRANGLE SMITHBURG 7.5' DISTRICT WEST UNION COUNTY DODDRIDGE

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



SURFACE OWNER MARY E. DEETS AND/OR PAUL A. SMITH ACREAGE 53.29 ACRES +/- AND/OR 175.78 ACRES +/-  
OIL & GAS ROYALTY OWNER T.G. BAKER ET AL; JOHNSON B. SMITH ET UX; P.B. McCLAIN ET UX; LEASE ACREAGE 54 ACRES±; 180 ACRES±; 200 ACRES±; JOHNSON WILLIAMS; EDGAR DAVISSON ET UX; GEORGE BENTON WHITE; C. HOWARD KNIGHT ET AL 105.5 ACRES±; 230 ACRES±; 75 ACRES±; 54 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)  
TARGET FORMATION MARCELLUS ESTIMATED DEPTH 7,600' TVD 18,000' MD  
WELL OPERATOR ANTERO RESOURCES CORP. DESIGNATED AGENT CT CORPORATION SYSTEM  
ADDRESS 1615 WYNKOOP STREET ADDRESS 5400 D BIG TYLER ROAD  
DENVER, CO 80202 CHARLESTON, WV 25313

12/28/2018



RECEIVED  
Office of Oil and Gas  
SEP 24 2018  
WV Department of  
Environmental Protection

**Antero Resources Corporation**  
Appalachian Basin  
Telstar Unit 1H  
Doddridge County  
Quadrangle: West Union  
Watershed: Middle Island Creek  
District: West Union  
Date: 3-20-2017