

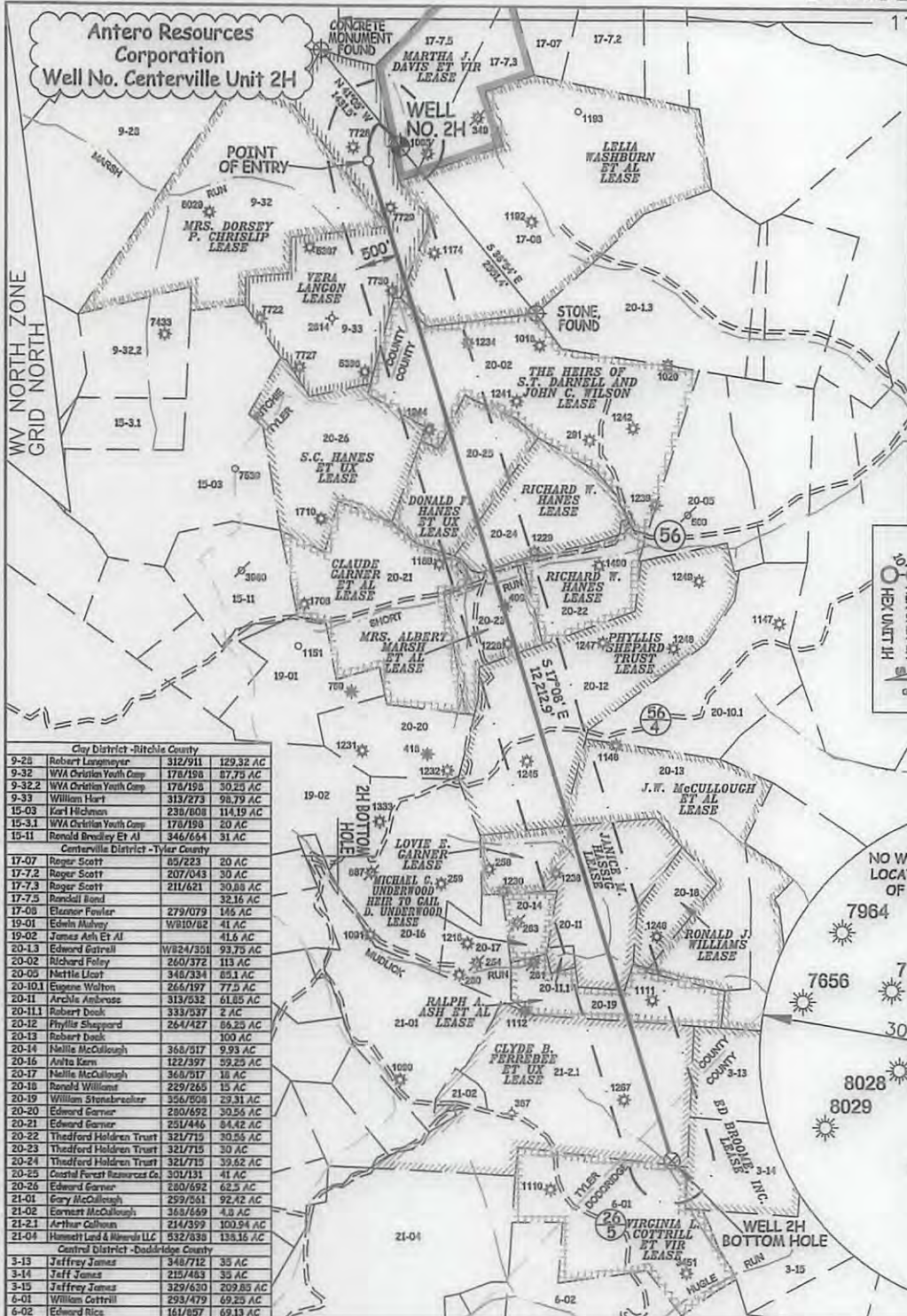
LATITUDE 39°22'30" 2,670'

11,066' TO BOTTOM HOLE  
LATITUDE 39°20'00"

9,915' TO BOTTOM HOLE  
LONGITUDE 80°50'00"

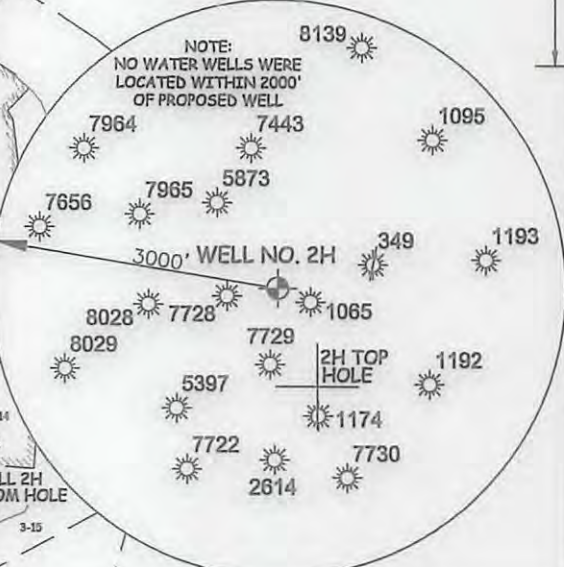
13,261'

LONGITUDE 80°52'30"



**NOTES:**  
**WELL 2H TOP HOLE INFORMATION:**  
 N: 308,449ft E: 1,608,438ft  
 LAT: 39°20'18.93" LON: 80°53'03.99"  
**BOTTOM HOLE INFORMATION:**  
 N: 296,569ft E: 1,611,651ft  
 LAT: 39°18'22.01" LON: 80°52'20.79"  
 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: 4,354,367m E: 509,973m  
**BOTTOM HOLE INFORMATION:**  
 N: 4,350,764m E: 511,013m



Clay District - Ritchie County		
9-28	Robert Lashmeyer	312/911 129.32 AC
9-32	WVA Orlean Youth Camp	178/198 87.78 AC
9-32.2	WVA Orlean Youth Camp	178/198 30.25 AC
9-33	William Hart	313/273 98.79 AC
15-03	Karl Hickman	238/808 114.19 AC
15-3.1	WVA Orlean Youth Camp	178/198 20 AC
10-11	Renold Bradley Et Al	346/654 31 AC
Centerville District - Tyler County		
17-07	Roger Scott	85/223 20 AC
17-72	Roger Scott	207/043 30 AC
17-73	Roger Scott	211/621 30.05 AC
17-75	Randall Bond	32/216 32.16 AC
17-08	Elzener Fowler	279/079 145 AC
19-01	Edwin Mahvey	W810/62 41 AC
19-02	James Ash Et Al	41.6 AC
20-13	Edward Gatrull	W824/301 93.73 AC
20-02	Richard Foley	260/372 113 AC
20-03	Nettie Lort	346/334 85.1 AC
20-10.1	Ernest Walton	266/197 77.9 AC
20-11	Archibald Ambrose	313/532 61.85 AC
20-11.1	Robert Beck	333/937 2 AC
20-12	Phyllis Sheppard	264/427 66.29 AC
20-13	Robert Beck	100 AC
20-14	Nellie McCullough	366/517 9.93 AC
20-16	Anita Kern	122/397 59.29 AC
20-17	Nellie McCullough	366/517 18 AC
20-18	Ronald Williams	229/245 15 AC
20-19	William Stensbaker	326/803 23.31 AC
20-20	Edward Garner	280/652 30.56 AC
20-21	Edward Garner	251/446 84.42 AC
20-22	Theodore Holden Trust	321/719 20.55 AC
20-23	Theodore Holden Trust	321/715 30 AC
20-24	Theodore Holden Trust	321/715 39.62 AC
20-25	Castal Forest Resources Co	320/131 41 AC
20-26	Edward Garner	130/652 63.2 AC
21-01	Eury McCullough	259/251 92.42 AC
21-02	Ernest McCullough	366/517 4.8 AC
21-21	Arthur Calhoun	214/399 100.94 AC
21-04	Hannett Land & Minerals LLC	532/833 138.16 AC
Central District - Doddridge County		
3-13	Jeffrey James	348/712 33 AC
3-14	Jeff James	215/483 39 AC
3-15	Jeffrey James	329/650 293.85 AC
6-01	William Centril	293/479 69.25 AC
6-02	Edward Rice	161/857 69.13 AC

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.

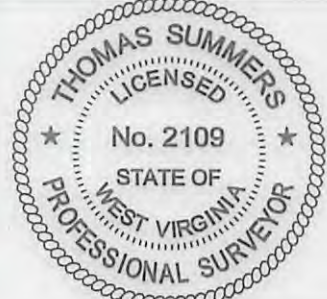
**(NAD) 27 (UTM) ZONE 17 COORDS:**  
**WELL 2H TOP HOLE INFORMATION:**  
 N: 14,285,238ft E: 1,673,090ft  
**POINT OF ENTRY INFORMATION:**  
 N: 14,285,023ft E: 1,672,709ft  
**BOTTOM HOLE INFORMATION:**  
 N: 14,273,417ft E: 1,676,499ft

**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

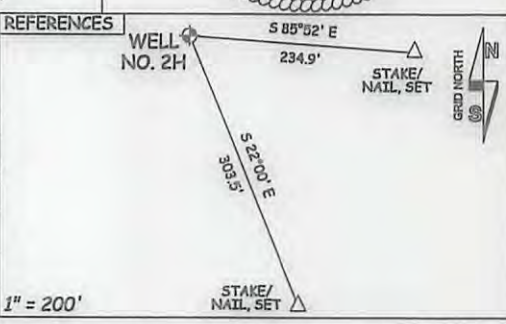
WILLOW LAND SURVEYING PLLC  
 220 MASONIC AVE. PENNSBORO  
 WEST VIRGINIA 26415



JOB # 17-009WA  
 DRAWING # CENTERVILLE2HR1  
 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 +/-  
 - X - X - Existing Fence  
 ⊕ Found monument, as noted

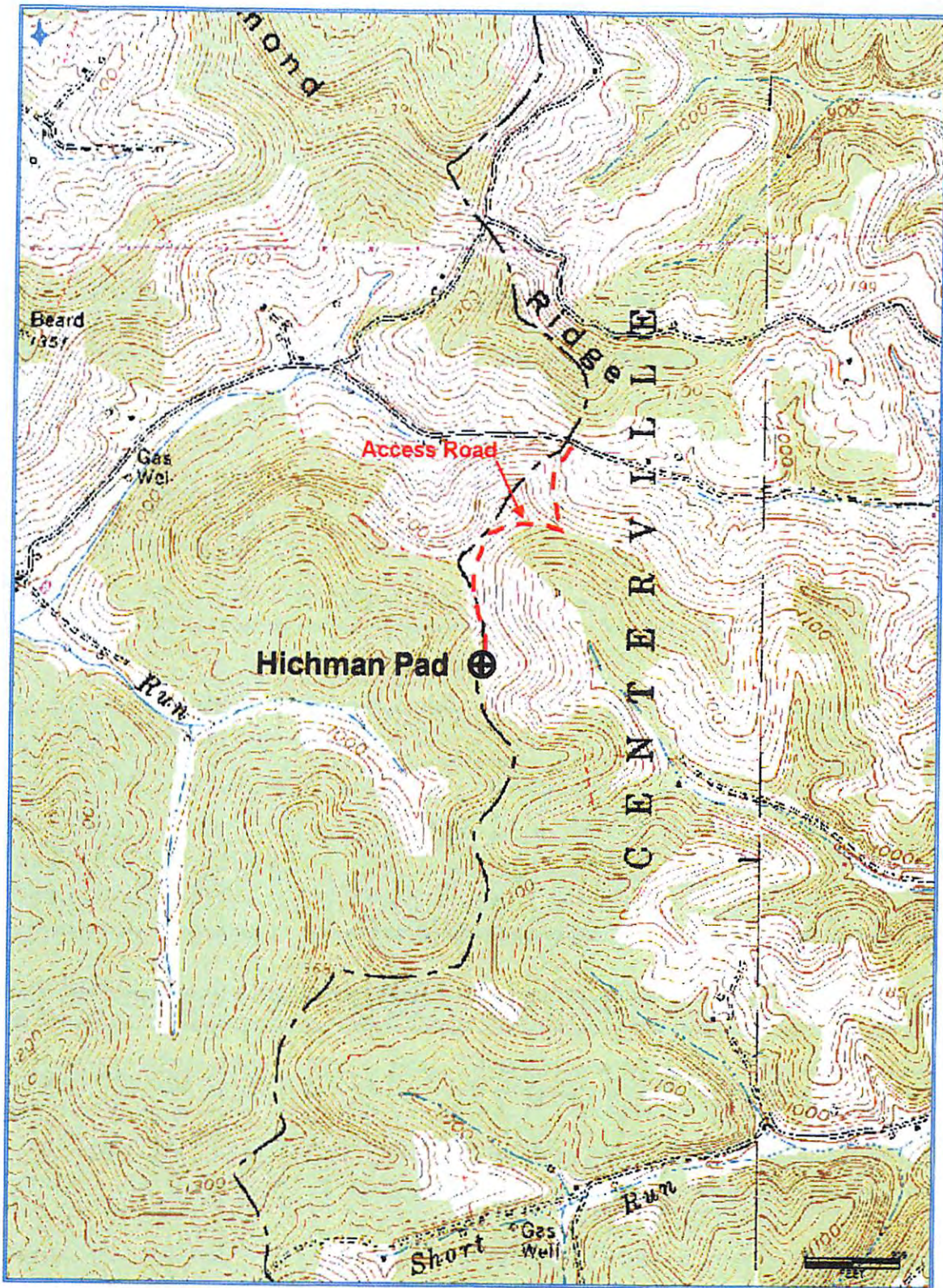
*Thomas Summers*  
 THOMAS SUMMERS P.S. 2109  
 DATE 10/09/17  
 OPERATOR'S WELL# CENTERVILLE UNIT #2H



WELL TYPE: OIL GAS  LIQUID INJECTION \_\_\_\_\_ WASTE DISPOSAL \_\_\_\_\_ 47 - 085 - 10338  
 (IF "GAS") PRODUCTION  STORAGE \_\_\_\_\_ DEEP \_\_\_\_\_ SHALLOW  STATE COUNTY PERMIT  
 LOCATION: ELEVATION 1,276' ORIGINAL - 1,250' PROPOSED WATERSHED NORTH FORK HUGHES RIVER QUADRANGLE PENNSBORO 7.5' DISTRICT CLAY COUNTY RITCHIE  
 SURFACE OWNER RADALL BOND ET AL ACREAGE 32.16 ACRES +/-  
 OIL & GAS ROYALTY OWNER MARTHA J. DAVIS ET VIR; VERA LANGON; MRS. DORSEY P. CHRISLIP; LELIA WASHBURN ET AL; LEASE ACREAGE 70 AC±; 98.79 AC±; 87.75 AC±; 150 AC±;  
 THE HEIRS OF S.T. DARNELL AND JOHN C. WILSON; DONALD F. HANES ET UX; RICHARD W. HANES; MRS. ALBERT MARSH ET AL; 113 AC±; 41 AC±; 39.63 AC±; 30 AC±;  
 PHYLLIS SHEPARD TRUST; J.W. McCULLOUGH ET AL; LOVIE E. GARNER; JANICE M. HASSIG; RALPH A. ASH ET AL; CLYDE B. FERREBEE ET UX; 86.25 AC±; 99.5 AC±; 19 AC±; 53 AC±; 30 AC±; 105 AC±;  
 PROPOSED WORK: DRILL  CONVERT \_\_\_\_\_ DRILL DEEPER \_\_\_\_\_ REDRILL \_\_\_\_\_ FRACTURE OR STIMULATE   
 PLUG OFF OLD FORMATION \_\_\_\_\_ PERFORATE NEW FORMATION  OTHER PHYSICAL CHANGE IN WELL CLEAN OUT & REPLUG  
 (SPECIFY) \_\_\_\_\_ PLUG & ABANDON \_\_\_\_\_  
 TARGET FORMATION MARCELLUS ESTIMATED DEPTH 7,000' TVD 20,200' MD  
 WELL OPERATOR ANTERO RESOURCES CORP. DESIGNATED AGENT DIANNA STAMPER - CT CORPORATION SYSTEM  
 ADDRESS 1615 WYNKOOP ST. ADDRESS 5400 D BIG TYLER ROAD  
 FORM WW-6 DENVER, CO 80202 CHARLESTON, WV 25313

01/19/2018





**Antero Resources Corporation**  
Appalachian Basin  
Centerville Unit 2H  
Ritchie County  
Quadrangle: Pennsboro  
Watershed: North Fork Hughes River  
District: Clay  
Date: 3-14-2017