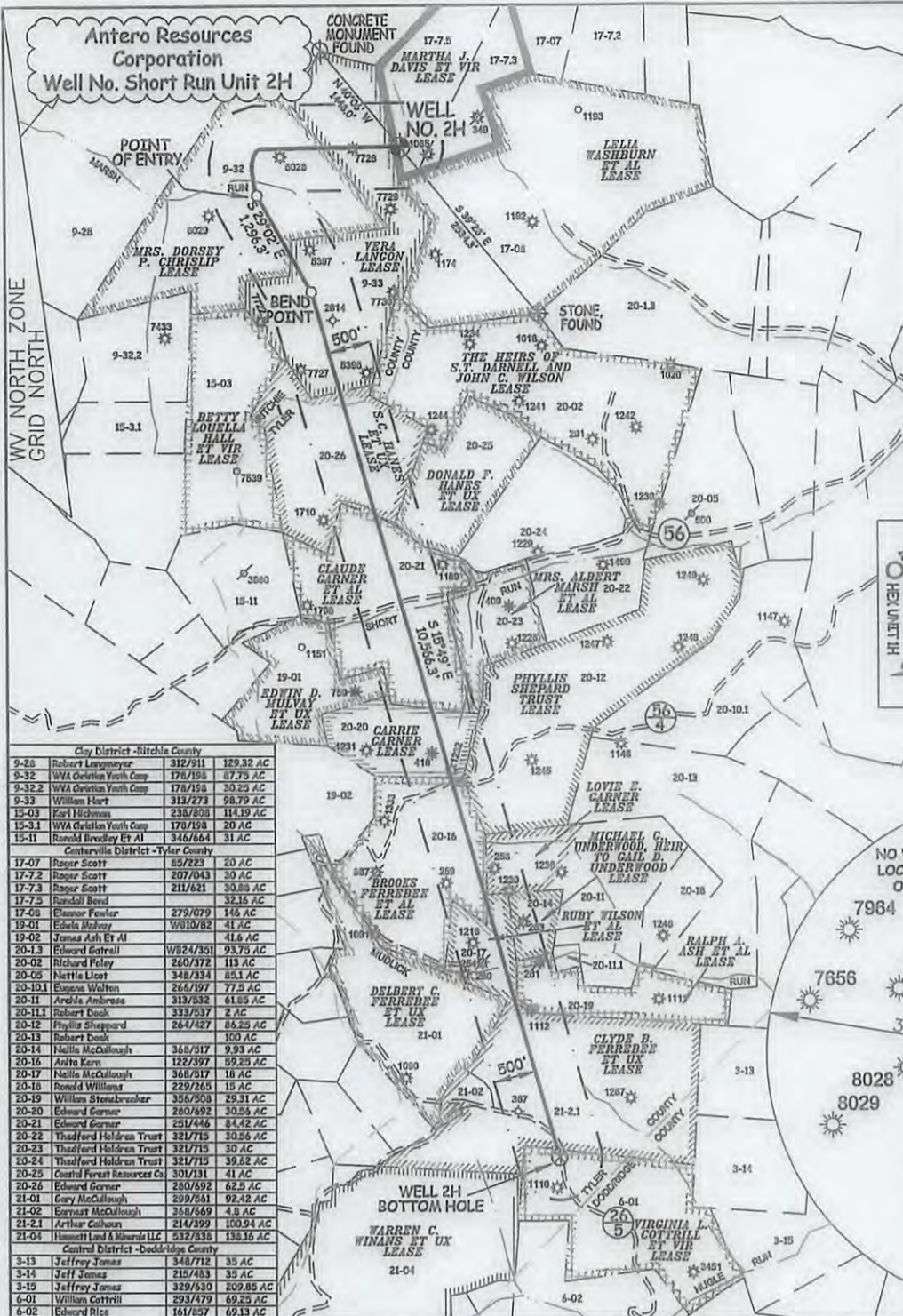


LATITUDE 39°22'30" 2,678'

672' TO BOTTOM HOLE
LATITUDE 39°20'00"

9,946' TO BOTTOM HOLE
LONGITUDE 80°52'30"

1,3,290'
LONGITUDE 80°52'30"



NOTES:
WELL 2H TOP HOLE INFORMATION:
 N: 308,421ft E: 1,608,430ft
 LAT: 39°20'18.65" LON: 80°53'04.09"
BOTTOM HOLE INFORMATION:
 N: 296,559ft E: 1,610,255ft
 LAT: 39°18'21.69" LON: 80°52'38.55"
 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: 4,354,358m E: 509,971m
BOTTOM HOLE INFORMATION:
 N: 4,350,754m E: 510,587m

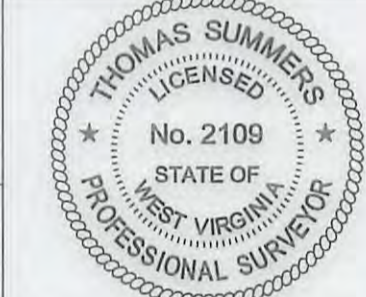


Clay District - Ritchie County		
9-26	Robert Lespuyer	312/911 129.32 AC
9-32	WVA Oilfield Youth Camp	178/195 87.73 AC
9-32.2	WVA Oilfield Youth Camp	178/195 30.25 AC
9-33	William Hart	313/273 98.79 AC
15-03	Karl Hickman	238/808 114.19 AC
15-3.1	WVA Oilfield Youth Camp	178/195 20 AC
15-11	Ronald Bradley Et Al	346/664 31 AC
Centerville District - Tyler County		
17-07	Roger Scott	85/223 20 AC
17-7.2	Roger Scott	207/043 30 AC
17-7.3	Roger Scott	211/621 30.25 AC
17-7.5	Ronald Bond	211/621 32.16 AC
17-08	Eleanor Fowler	279/079 146 AC
19-01	Edna Mahay	W810/82 41 AC
19-02	James Ash Et Al	41.6 AC
20-13	Edward Gatrell	W824/331 93.79 AC
20-02	Richard Foley	240/372 113 AC
20-05	Nettie Liont	348/334 85.1 AC
20-10.1	Esopha Wilton	255/197 77.5 AC
20-11	Archie Ambrose	313/632 61.8 AC
20-11.1	Robert Deak	333/637 2 AC
20-12	Phyllis Sheppard	264/427 84.25 AC
20-13	Robert Deak	100 AC
20-14	Nellie McCullough	368/917 9.93 AC
20-16	Anita Kern	122/397 59.25 AC
20-17	Nellie McCullough	368/917 18 AC
20-18	Ronald Williams	229/245 15 AC
20-19	William Strambrosker	356/908 29.31 AC
20-20	Edward Garner	280/492 30.56 AC
20-21	Edward Garner	251/446 34.42 AC
20-22	Thadford Holdren Trust	321/715 30.56 AC
20-23	Thadford Holdren Trust	321/715 30 AC
20-24	Thadford Holdren Trust	321/715 39.82 AC
20-25	Guard Forest Resources Co	301/781 41 AC
20-26	Edward Garner	229/245 15 AC
21-01	Gary McCullough	599/551 92.42 AC
21-02	Ernest McCullough	368/649 4.8 AC
21-21	Arthur Colson	241/399 100.94 AC
21-04	Hansett Land & Minerals LLC	532/835 138.16 AC
Central District - Doddridge County		
3-13	Jeffrey Jones	348/712 35 AC
3-14	Jeff Jones	215/483 35 AC
3-15	Jeffrey Jones	329/431 229.85 AC
6-01	William Cottrill	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: 14,285,209ft E: 1,673,082ft
POINT OF ENTRY INFORMATION:
 N: 14,284,619ft E: 1,671,406ft
BEND POINT INFORMATION:
 N: 14,283,496ft E: 1,672,054ft
BOTTOM HOLE INFORMATION:
 N: 14,273,384ft E: 1,675,104ft

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.

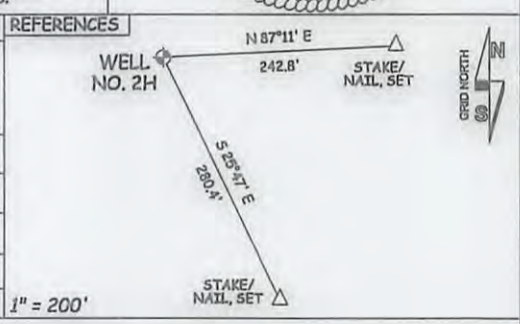


STATE OF WEST VIRGINIA, DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
 WILLOW LAND SURVEYING PLLC
 220 MASONIC AVE. PENNSBORO WEST VIRGINIA 26415

JOB # 17-008WA
 DRAWING # SHORTRUN2HR2
 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 Existing Fence
 ⊕ Found monument, as noted

THOMAS SUMMERS P.S. 2109
 DATE 07/05/18
 OPERATOR'S WELL # SHORT RUN UNIT #2H



WELL TYPE: OIL ___ GAS LIQUID INJECTION ___ WASTE DISPOSAL ___ 47 - 085 - 10340
 (IF "GAS") PRODUCTION STORAGE ___ DEEP ___ SHALLOW STATE COUNTY PERMIT
 LOCATION: ELEVATION 1,250' AS BUILT 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; LEASE ACREAGE 70 AC±; 98.79 AC±; 87.75 AC±;
 S.C. HANES ET UX; CLAUDE GARNER ET AL; CARRIE GARNER; BROOKS FERREBEE ET AL; 64 AC±; 85 AC±; 30 AC±; 59.25 AC±;
 RUBY WILSON ET AL; CLYDE B. FERREBEE ET UX; VIRGINIA L. COTTRILL ET VIR 18 AC±; 105 AC±; 70 AC±
 PROPOSED WORK: DRILL ___ CONVERT ___ DRILL DEEPER REDRILL ___ FRACTURE OR STIMULATE
 PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL
 (SPECIFY) MOD-BHL PLUG & ABANDON CLEAN OUT & REPLUG
 TARGET FORMATION MARCELLUS ESTIMATED DEPTH 7,000' TVD 19,300' 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

07/13/2018