

LATITUDE 39°20'00"

10,367'

LATITUDE 39°17'30"

AS DRILLED DATA:
 WELL 2H TOP HOLE INFORMATION:
 N: 293,794ft E: 1,600,517ft
 LAT: 39°17'52.88" LON: 80°54'41.88"
 BOTTOM HOLE INFORMATION:
 N: 284,927ft E: 1,601,231ft
 LAT: 39°16'25.35" LON: 80°54'31.02"
 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: 4,349,862m E: 807,635m
 BOTTOM HOLE INFORMATION:
 N: 4,347,164m E: 807,897m

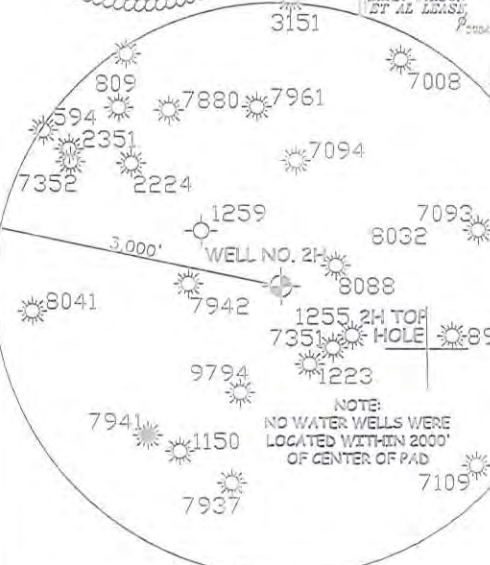
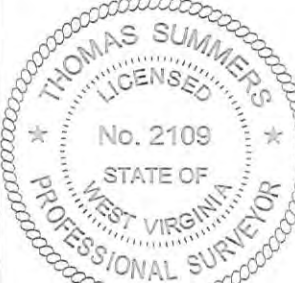
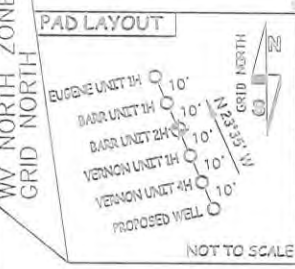
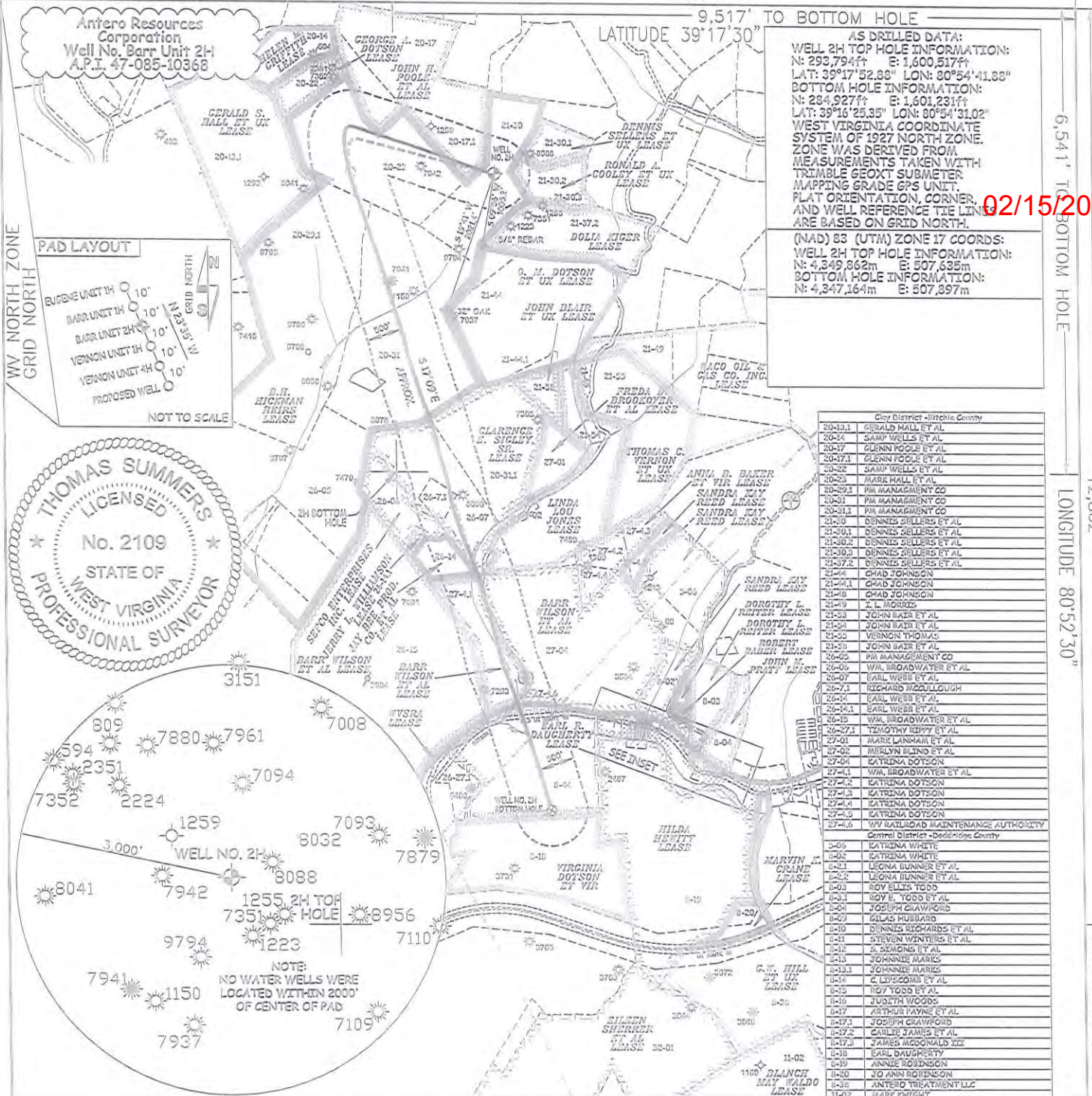
6,541' TO BOTTOM HOLE

02/15/2019

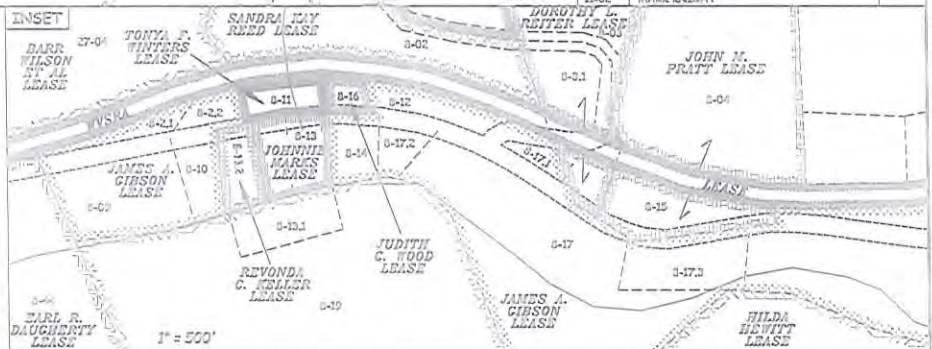
12,862'

LONGITUDE 80°52'30"

LONGITUDE 80°52'30"



Clay District - Ritchie County	
20-11.1	GERALD HALL ET AL
20-14	SAMP WELLS ET AL
20-17	GLENN POOLE ET AL
20-17A	GLENN POOLE ET AL
20-18	SAMP WELLS ET AL
20-28	MARE HALL ET AL
20-29.1	PA MANAGEMENT CO
20-31	PA MANAGEMENT CO
20-31.1	PA MANAGEMENT CO
21-0	DENNIS SELLERS ET AL
21-30.1	DENNIS SELLERS ET AL
21-30.2	DENNIS SELLERS ET AL
21-37.2	DENNIS SELLERS ET AL
21-4	GHAD JOHNSON
21-4.1	GHAD JOHNSON
21-9	GHAD JOHNSON
21-9	E. L. MORRIS
21-53	JOHN BARR ET AL
21-53	JOHN BARR ET AL
21-53	VERNON THOMAS
21-53	JOHN BARR ET AL
21-53	PA MANAGEMENT CO
21-53	WM, BRADWATER ET AL
21-53	EARL WEBB ET AL
21-53	EARL WEBB ET AL
21-53	WM, BRADWATER ET AL
21-53	TIMOTHY BERRY ET AL
21-53	MARK LANHAM ET AL
21-53	MARLYN BLEND ET AL
21-53	KATRINA DOTSON
21-53	WM, BRADWATER ET AL
21-53	KATRINA DOTSON
21-53	KATRINA DOTSON
21-53	KATRINA DOTSON
21-53	WV HIGHWAY MAINTENANCE AUTHORITY
Central District - Doddridge County	
0-06	KATRINA WHITE
0-06	KATRINA WHITE
0-06	LEONA HUNTER ET AL
0-06	LEONA HUNTER ET AL
0-06	ROY ELLIS TODD
0-06	ROY E. TODD ET AL
0-06	JOSEPH CLAWFORD
0-06	GLAS HUBBARD
0-06	DENNIS RICHARDS ET AL
0-06	STEVEN WINTERS ET AL
0-06	S. MAGNUS ET AL
0-06	JOHNNIE MARRIS
0-06	JOHNNIE MARRIS
0-06	C. LEFCOM ET AL
0-06	ROY TODD ET AL
0-06	JUDITH WOODS
0-06	ARTHUR PAYNE ET AL
0-06	JOSEPH CLAWFORD
0-06	CHARLETTA JAMES ET AL
0-06	JAMES McDONALD III
0-06	EARL DAUGHERTY
0-06	ANNIE ROBINSON
0-06	JO ANN ROBINSON
0-06	ANTERO TREATMENT LLC
0-06	MARK TIGHT



NOTE:
 1. 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.
 2. TOP HOLE DATA SHOWN HEREON WAS PROVIDED BY ALLEGHENY SURVEYS, INC.
 3. AS DRILLED DATA WAS PROVIDED BY ANTERO RESOURCES CORPORATION.
 4. WLS IS NOT CERTIFYING THE DATA AND INFORMATION PROVIDED LISTED IN NOTES 2 AND 3, ONLY THE RELATIONSHIP TO THE DATA AND INFORMATION PROVIDED TO THE LEASE BOUNDARIES.
 5. WLS IS BY NO MEANS RESPONSIBLE FOR ANY ERRORS OR INACCURACIES WITH THE DATA AND INFORMATION THAT HAS BEEN PROVIDED.

JOB # 16-058WA
 DRAWING # BARR2HAD
 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

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

LEGEND
 - - - - - Surface Owner Boundary Lines +/-
 - - - - - Interior Surface Tracts +/-
 ○ Proposed Well Path
 ⊙ As Drilled Well Path

THOMAS SUMMERS P.S. 2109
 DATE 01/21/19
 OPERATOR'S WELL# BARR UNIT #2H

WELL TYPE: OIL GAS X LIQUID INJECTION WASTE DISPOSAL 47 - 085 - 10368
 (IF "GAS") PRODUCTION X STORAGE DEEP SHALLOW X STATE COUNTY PERMIT
 LOCATION: ELEVATION 1,181' AS BUILT WATERSHED NORTH FORK HUGHES RIVER
 QUADRANGLE PENNSBORO 7.5' DISTRICT CLAY COUNTY RITCHIE
 SURFACE OWNER DENNIS J. SELLERS ACREAGE 39.26 ACRES +/-
 OIL & GAS ROYALTY OWNER B.H. HICKMAN HEIRS; JOHN H. POOLE ET AL; CLARENCE E. SIGLEY, SR.; LEASE ACREAGE 400 AC±; 75 AC±; 110 AC±;
 JAY BEE PROD. CO. ET AL; BARR WILSON ET AL; BARR WILSON ET AL; WVSRA; 9.41 AC±; 23.5 AC±; 80 AC±; 6.68 AC±;
 EARL R. DAUGHERTY 62.13 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) AS DRILLED PLUG & ABANDON
 TARGET FORMATION MARCELLUS ESTIMATED DEPTH 6,520' TVD 16,595' MD
 WELL OPERATOR ANTERO RESOURCES CORP. DESIGNATED AGENT DIANNA STAMPER - CT CORPORATION SYSTEM
 ADDRESS 1615 WYNNKOOP ST. ADDRESS 5400 D BIG TYLER ROAD
 FORM WW-6 DENVER, CO 80202 CHARLESTON, WV 25313

COUNTY NAME PERMIT