

LATITUDE 39°25'00"

10,779'

LATITUDE 39°22'30" 5,386' TO BOTTOM HOLE

1H BOTTOM HOLE

Antero Resources Corporation Well No. Mammoth Unit 1H

AS DRILLED DATA: WELL 1H TOP HOLE INFORMATION: N: 331,455ft E: 1,636,007ft LAT: 39°24'10.35" LON: 80°47'17.32" BOTTOM HOLE INFORMATION: N: 321,211ft E: 1,641,259ft LAT: 39°22'29.84" LON: 80°46'08.59" 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 1H TOP HOLE INFORMATION: N: 4,361,516m E: 518,255m BOTTOM HOLE INFORMATION: N: 4,358,422m E: 519,907m

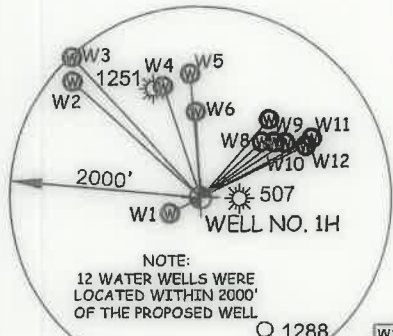
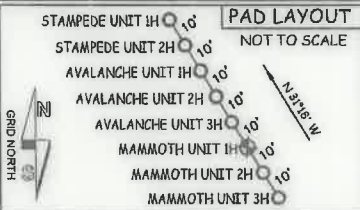


Table with 3 columns: Well ID, Bearing, Distance. Lists wells W1 through W12 with their respective bearings and distances.

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 # 19-002WA DRAWING # MAMMOTH1HAD 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 +/- Proposed Well Path As Drilled Well Path DOUGLAS R. ROWE P.S. 2202 DATE 09/03/20 OPERATOR'S WELL# MAMMOTH UNIT #1H

- 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 ANTERO RESOURCES CORPORATION. 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.



WELL TYPE: OIL GAS X LIQUID INJECTION WASTE DISPOSAL 47 095 02605 (IF "GAS") PRODUCTION X STORAGE DEEP SHALLOW X STATE COUNTY PERMIT LOCATION: ELEVATION 743' - AS BUILT WATERSHED McELROY CREEK QUADRANGLE 1H - SHIRLEY 7.5' BH - WEST UNION 7.5' DISTRICT McELROY COUNTY TYLER SURFACE OWNER ANTERO RESOURCES CORPORATION ACREAGE 127.86 ACRES +/- OIL & GAS ROYALTY OWNER B.F. REED ET UX; K & D HOLDINGS, LLC; MARK A. BURNETT; LEASE ACREAGE 130 AC.±; 219.39 AC.±; 256 AC.±; JAMES MALLOY ET UX; MELISSA SMITH; NOBLE ENERGY INC. ET AL.; S.A. SMITH & C. BURKE HEIRS TRUST; FANNY D. DAVIS ET AL.; 90.1 AC.±; 57.63 AC.±; 55 AC.±; 18 AC.±; 74 AC.±; UNION NATIONAL BANK OF W.V.; WILMA E. LANGFITT; CARL B. & NORMA JEAN PRITCHARD; DONALD SWEENEY; EDWARD LEWIS CASE; LINDA J. DESCHER 25.5 AC.±; 31.82 AC.±; 32.57 AC.±; 25.5 AC.±; 50 AC.±; 76 AC.±; PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) AS DRILLED PLUG & ABANDON CLEAN OUT & REPLUG TARGET FORMATION MARCELLUS ESTIMATED DEPTH 6,439' TVD 18,487' 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 ADDRESS CHARLESTON, WV 25313

McElroy District - Tyler County list of well owners and lease numbers. Includes names like June Griffin, Roger Griffin, Harry Vannoy, Charles Straight, Charles Kimball, Albert Bebez, Todd Orr, Antero Resources Corp., Larry Stevens, John Owens, Paul Weekley, Patricia Montuomery, John Lewis Jr., Robert Wolsh, Judith Mallory, Harvey Burns, Anna Barrola, Terrence Fraser, Terrence Fraser, Ronnie Wilson Jr., Lloyd Talkington, Ronald Cumberledge, Randall Anderson, Harold Yost, Larry Marable, Kenneth Mason, Jacqueline Wichman Trust, Kenneth Mason, Michael Kimball, Bobby Griffin, Matthew March, Smith Morris Trust, Randall Clouston, Ronald Cumberledge, Dana Pratt, Randall Clouston, Jacqueline Wichman Trust, William Middleton, Thomas Allen, George Kithau, Thomas Allen, Terry Dotson, Margaret Dotson, Warren Putnam, Jacqueline Wichman Grant District - Doddridge County, Steven Reed, Warren Putnam.

17' TO BOTTOM HOLE LONGITUDE 80°45'00"

5,024' LONGITUDE 80°45'00"

COUNTY NAME PERMIT



LATITUDE 39°25'00"

10,779'

LATITUDE 39°22'30" 5,386' TO BOTTOM HOLE

17' TO BOTTOM HOLE

5,024'

LONGITUDE 80°45'00"

LONGITUDE 80°45'00"

Antero Resources Corporation Well No. Mammoth Unit 1H

AS DRILLED DATA: WELL 1H TOP HOLE INFORMATION: N: 331,455ft E: 1,636,007ft LAT: 39°24'10.35" LON: 80°47'17.32" BOTTOM HOLE INFORMATION: N: 321,211ft E: 1,641,259ft LAT: 39°22'29.84" LON: 80°46'08.59" 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 1H TOP HOLE INFORMATION: N: 4,361,516m E: 518,255m BOTTOM HOLE INFORMATION: N: 4,358,422m E: 519,907m

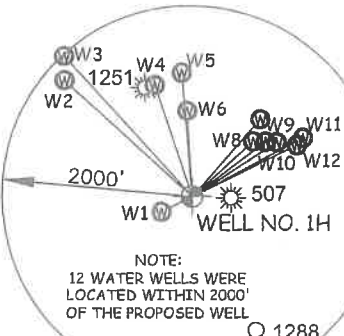
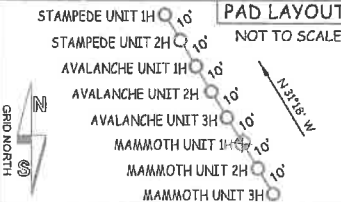
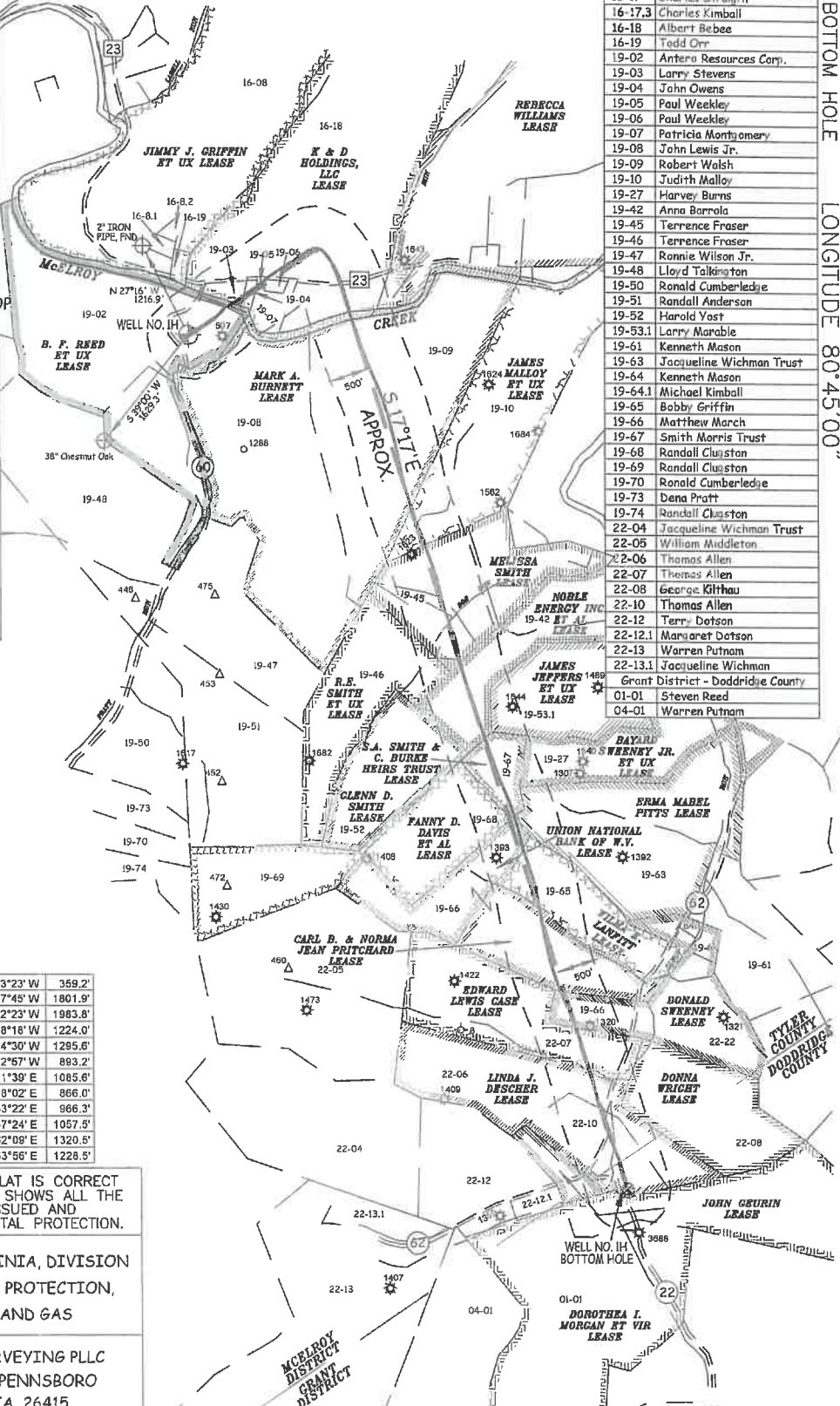


Table with 3 columns: Well ID, Bearing, and Distance. Lists wells W1 through W12 with their respective bearings and distances.



McElroy District - Tyler County. Table listing well numbers and surface owners, including June Griffin, Roger Griffin, Paul Weekley, Patricia Montgomery, John Lewis Jr., Robert Walsh, Judith Malloy, Harvey Burns, Anna Barrola, Terrence Fraser, Ronnie Wilson Jr., Lloyd Talkington, Ronald Cumberlande, Harold Yost, Larry Marable, Kenneth Mason, Jacqueline Wichman Trust, Michael Kimball, Bobby Griffin, Matthew March, Smith Morris Trust, Randall Clouston, Deni Patten, Jacqueline Wichman Trust, Thomas Allen, George Kithau, Thomas Allen, Terry Dotson, Margaret Dotson, Warren Putnam, Jacqueline Wichman, Grant District - Doddridge County, Steven Reed, and Warren Putnam.

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.

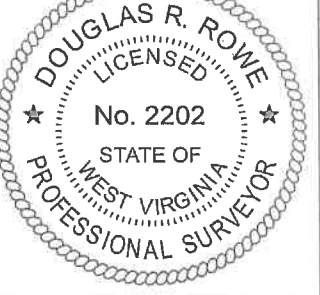


STATE OF WEST VIRGINIA, DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS. WILLOW LAND SURVEYING PLLC 220 MASONIC AVE. PENNSBORO WEST VIRGINIA 26415

JOB # 19-002WA DRAWING # MAMMOTH1HAD 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 +/-, Proposed Well Path, As Drilled Well Path. Signature of Douglas R. Rowe. DOUGLAS R. ROWE P.S. 2202 DATE 09/03/20 OPERATOR'S WELL# MAMMOTH UNIT #1H

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 ANTERO RESOURCES CORPORATION. 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.



WELL TYPE: OIL GAS X LIQUID INJECTION WASTE DISPOSAL 47 095 02605 (IF "GAS") PRODUCTION X STORAGE DEEP SHALLOW X STATE COUNTY PERMIT LOCATION: ELEVATION 743' - AS BUILT WATERSHED McELROY CREEK QUADRANGLE TH - SHIRLEY 7.5' BH - WEST UNION 7.5' DISTRICT McELROY COUNTY TYLER SURFACE OWNER ANTERO RESOURCES CORPORATION ACREAGE 127.86 ACRES +/- OIL & GAS ROYALTY OWNER B.F. REED ET UX; K & D HOLDINGS, LLC; MARK A. BURNETT; LEASE ACREAGE 130 AC.±; 219.39 AC.±; 256 AC.±; JAMES MALLOY ET UX; MELISSA SMITH; NOBLE ENERGY INC. ET AL.; S.A. SMITH & C. BURKE HEIRS TRUST; FANNY D. DAVIS ET AL.; 90.1 AC.±; 57.63 AC.±; 55 AC.±; 18 AC.±; 74 AC.±; UNION NATIONAL BANK OF W.V.; WILLMAE LANGFITT; CARL B. & NORMA JEAN PRITCHARD; DONALD SWEENEY; EDWARD LEWIS CASE; LINDA J. DESCHER 25.5 AC.±; 31.82 AC.±; 32.57 AC.±; 25.5 AC.±; 50 AC.±; 76 AC.± PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) AS DRILLED PLUG & ABANDON CLEAN OUT & REPLUG TARGET FORMATION MARCELLUS ESTIMATED DEPTH 6,439' TVD 18,487' MD WELL OPERATOR ANTERO RESOURCES CORP. DESIGNATED AGENT DIANNA STAMPER - CT CORPORATION SYSTEM ADDRESS 1615 WYNKOOP ST. ADDRESS 5400 D BIG TYLER ROAD CHARLESTON, WV 25313 FORM WW-6 DENVER, CO 80202