

LATITUDE 39°25'00"

10,774'

LATITUDE 39°25'00" 5,432' TO BOTTOM HOLE

Antero Resources Corporation Well No. Mammoth Unit 2H

AS DRILLED DATA: WELL 2H TOP HOLE INFORMATION: N: 331,446ft E: 1,636,012ft ... BOTTOM HOLE INFORMATION: N: 323,471ft E: 1,641,244ft ... WEST VIRGINIA COORDINATE SYSTEM OF 1927 NORTH ZONE.

(NAD) 83 (UTM) ZONE 17 COORDS: WELL 2H TOP HOLE INFORMATION: N: 4,361,513m E: 518,257m ... BOTTOM HOLE INFORMATION: N: 4,359,111m E: 519,891m

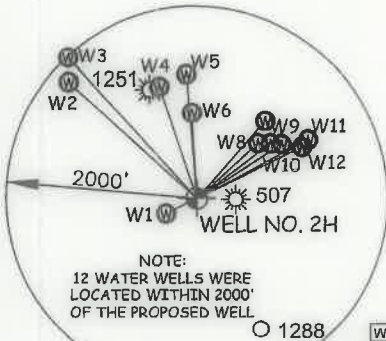
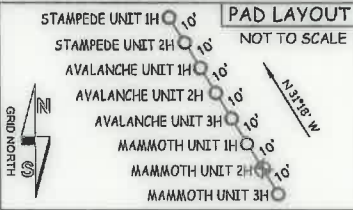


Table with 3 columns: Well ID, Coordinates (S, W, E), and Distance (ft). Lists wells W1 through W12 with their respective coordinates and distances from the proposed well.

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 # MAMMOTH2HAD SCALE 1" = 2000' MINIMUM DEGREE OF ACCURACY SUBMETER PROVEN SOURCE OF ELEV. SUBMETER MAPPING GRADE GPS

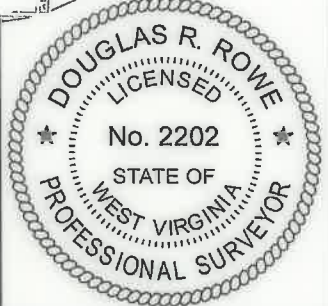
LEGEND: Surface Owner Boundary Lines +/- Interior Surface Tracts +/- Proposed Well Path As Drilled Well Path

DOUGLAS R. ROWE P.S. 2202

STATE OF WEST VIRGINIA DEPARTMENT OF ENERGY DIVISION OF OIL AND GAS

DATE 09/03/20 OPERATOR'S WELL# MAMMOTH UNIT #2H

- 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 - 02606 (IF "GAS") PRODUCTION X STORAGE DEEP SHALLOW X STATE COUNTY PERMIT LOCATION: ELEVATION 743' - AS BUILT WATERSHED McELROY CREEK QUADRANGLE SHIRLEY 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; REBECCA WILLIAMS; MARK A. BURNETT; LEASE ACREAGE 130 AC.± 219.39 AC.± 210 AC.± 256 AC.± JAMES MALLOY ET UX; MELISSA SMITH; NOBLE ENERGY INC. ET AL; JAMES JEFFERS ET UX; BAYARD SWEENEY JR. ET UX; 90.1 AC.±; 57.63 AC.±; 55 AC.±; 83 AC.±; 55 AC.±; ERMA MABEL PITTS; WILMA E. LANFITT; CARL B. & NORMA JEAN PRITCHARD; DONALD SWEENEY 74 AC.±; 31.82 AC.±; 32.57 AC.±; 25.5 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 6,458' TVD 16,590' 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 TAM-Par Surface Owner 16-08 June Griffin 16-8.1 Roger Griffin 16-8.2 Roger Griffin 16-16 Harry Vannoy 16-17 Charles Straight 16-17.3 Charles Kimball 16-18 Albert Bebee 16-19 Todd Orr 19-02 Antero Resources Corp. 19-03 Larry Stevens 19-04 John Owens 19-05 Paul Weekley 19-06 Paul Weekley 19-07 Patricia Montgomery 19-08 John Lewis Jr. 19-09 Robert Walsh 19-10 Judith Malloy 19-27 Harvey Burns 19-42 Anna Barrola 19-45 Terrence Fraser 19-46 Terrence Fraser 19-47 Rannie Wilson Jr. 19-48 Lloyd Talkington 19-50 Ronald Cumberledge 19-51 Randall Anderson 19-52 Harold Yost 19-53.1 Larry Marable 19-61 Kenneth Mason 19-63 Jacqueline Wichman Trust 19-64 Kenneth Mason 19-64.1 Michael Kimball 19-65 Bobby Griffin 19-66 Matthew March 19-67 Smith Morris Trust 19-68 Randall Cluston 19-69 Randall Cluston 19-70 Ronald Cumberledge 19-73 Dena Pratt 19-74 Randall Cluston 22-04 Jacqueline Wichman Trust 22-05 William Middleton 22-06 Thomas Allen 22-07 Thomas Allen 22-08 George Kithau 22-10 Thomas Allen 22-12 Terry Dotson 22-12.1 Margaret Dotson 22-13 Warren Putnam 22-13.1 Jacqueline Wichman Grant District - Doddridge County 01-01 Steven Reed 04-01 Warren Putnam

5,032' LONGITUDE 80°45'00" 12,932' TO BOTTOM HOLE LONGITUDE 80°45'00"

COUNTY NAME PERMIT

LATITUDE 39°25'00"

10,774'

LATITUDE 39°25'00" 5,432' TO BOTTOM HOLE

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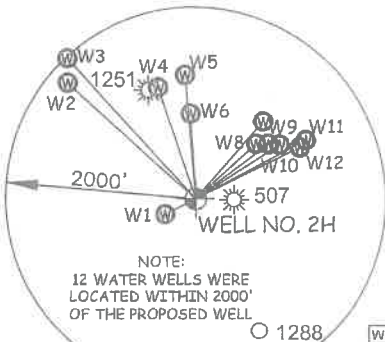
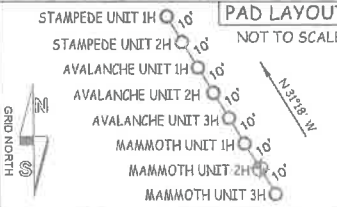
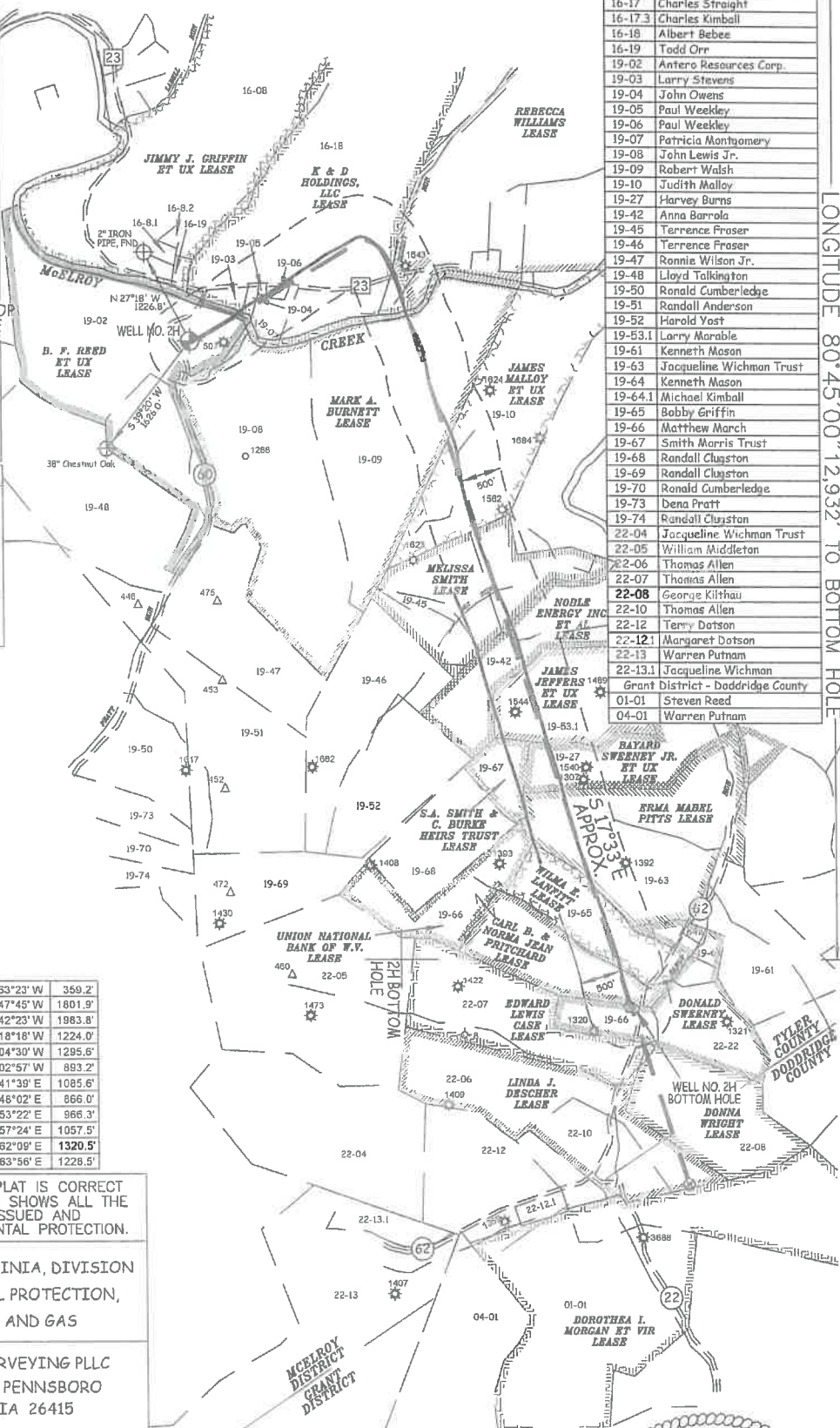


Table with 3 columns: Well ID, Bearing, Distance. Lists wells W1 through W12 with their respective bearings and distances from the proposed well.

McElroy District - Tyler County lease list. Columns: Lease ID, Surface Owner. Lists numerous leases including TM-Par, 16-08, 16-8.1, 16-8.2, 16-16, 16-17, 16-17.3, 16-18, 16-19, 19-02, 19-03, 19-04, 19-05, 19-06, 19-07, 19-08, 19-09, 19-10, 19-27, 19-42, 19-45, 19-46, 19-47, 19-48, 19-50, 19-51, 19-52, 19-53.1, 19-61, 19-63, 19-64, 19-64.1, 19-65, 19-66, 19-67, 19-68, 19-69, 19-70, 19-73, 19-74, 22-04, 22-05, 22-06, 22-07, 22-08, 22-10, 22-12, 22-12.1, 22-13, 22-13.1, Grant District - Doddridge County, 01-01, 04-01.



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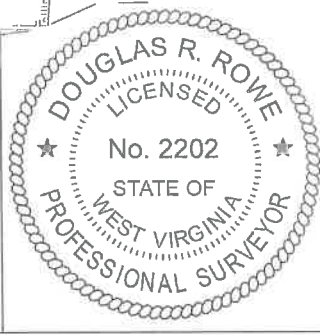


STATE OF WEST VIRGINIA, DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS. WILLOW LAND SURVEYING PLLC, 220 MASONIC AVE. PENNSBORO WEST VIRGINIA 26415

JOB # 19-002WA DRAWING # MAMMOTH2HAD 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, P.S. 2202, DATE 09/03/20, OPERATOR'S WELL# MAMMOTH UNIT #2H

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WV NORTH ZONE GRID NORTH

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