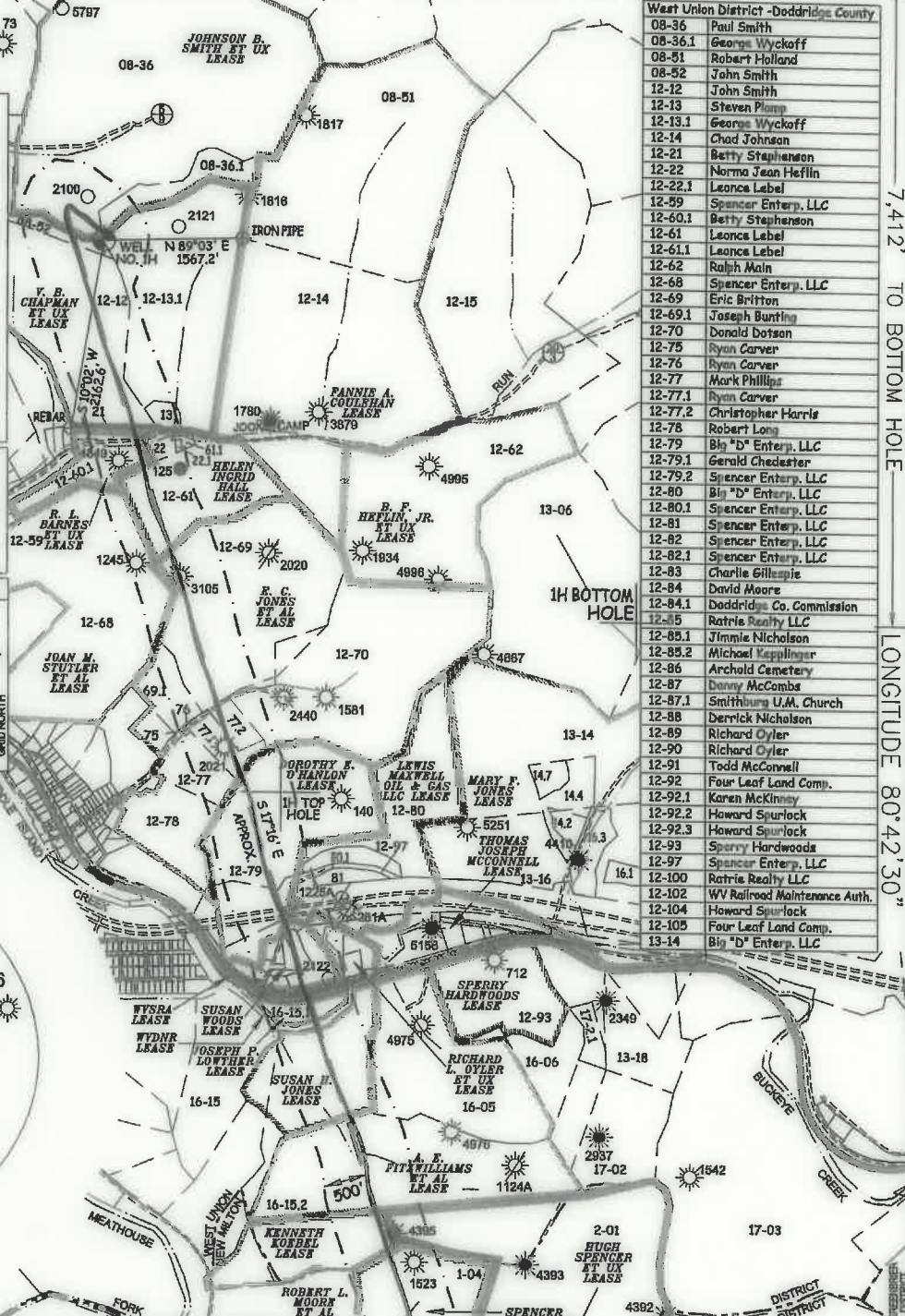
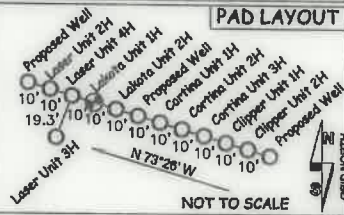


LATITUDE 39°20'00" 7,117'  
 LATITUDE 39°17'30" 3,089' TO BOTTOM HOLE

**Antero Resources Corporation**  
**Well No. Lakota Unit 1H**

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 N: 296,529ft E: 1,650,975ft  
 LAT: 39°18'27.25" LON: 80°44'00.55"  
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 LAT: 39°16'16.74" LON: 80°43'09.28"  
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**(NAD) 83 (UTM) ZONE 17 COORDS:**  
**WELL 1H TOP HOLE INFORMATION:**  
 N: 4,350,952m E: 522,993m  
**BOTTOM HOLE INFORMATION:**  
 N: 4,346,933m E: 524,233m



West Union District - Doddridge County

08-36	Paul Smith
08-36.1	George Wyckoff
08-51	Robert Holland
08-52	John Smith
12-12	John Smith
12-13	Steven Plans
12-13.1	George Wyckoff
12-14	Chad Johnson
12-21	Betty Stephenson
12-22	Norma Jean Hefflin
12-22.1	Leonce Label
12-59	Spencer Enterp. LLC
12-60.1	Betty Stephenson
12-61	Leonce Label
12-61.1	Leonce Label
12-62	Ralph Main
12-68	Spencer Enterp. LLC
12-69	Eric Britton
12-69.1	Joseph Bunting
12-70	Donald Datsun
12-75	Ryan Carver
12-76	Ryan Carver
12-77	Mark Phillips
12-77.1	Ryan Carver
12-77.2	Christopher Harris
12-78	Robert Long
12-79	Big "D" Enterp. LLC
12-79.1	Gerald Chedester
12-79.2	Spencer Enterp. LLC
12-80	Big "D" Enterp. LLC
12-80.1	Spencer Enterp. LLC
12-81	Spencer Enterp. LLC
12-82	Spencer Enterp. LLC
12-82.1	Spencer Enterp. LLC
12-83	Charlie Gillespie
12-84	David Moore
12-84.1	Doddridge Co. Commission
12-85	Ratris Realty LLC
12-85.1	Jimmie Nicholson
12-85.2	Michael Keppinger
12-86	Archold Cemetery
12-87	Danny McCombs
12-87.1	Smithburg U.M. Church
12-88	Derrick Nicholson
12-89	Richard Oyster
12-90	Richard Oyster
12-91	Todd McConnell
12-92	Four Leaf Land Comp.
12-92.1	Karen McKinney
12-92.2	Howard Spurlock
12-92.3	Howard Spurlock
12-93	Sperry Hardwoods
12-97	Spencer Enterp. LLC
12-100	Ratris Realty LLC
12-102	WV Railroad Maintenance Auth.
12-104	Howard Spurlock
12-105	Four Leaf Land Comp.
13-14	Big "D" Enterp. LLC

West Union District - Doddridge County

13-14.2	Lucien Sammons
13-14.4	Lucien Sammons
13-14.7	David Mitchell
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13-16.1	John Strickling
13-16.3	Hall Drilling LLC
13-18	Frank Racs
16-05	Ruby Ballenger
16-06	Ruby Ballenger
16-15	Marion Liberty Midstream & Res. LLC
16-15.1	Lawrence Gaskins
16-15.2	Marion Liberty Midstream & Res. LLC
17-02	Ruby Ballenger
17-2.1	Ruby Ballenger
17-03	Helen Jones

New Milton District - Doddridge County

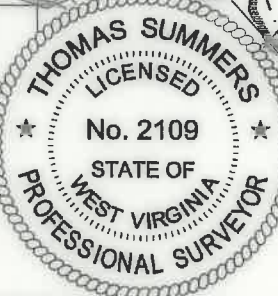
1-03	Elwood Rill
1-04	Elwood Rill
1-08	Ralph Lacy
1-10	Donald Barnes
2-01	Ronald Law
2-02	Robert Bland

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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 # 18-034WA  
 DRAWING # LAKOTA1HAD  
 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

THOMAS SUMMERS P.S. 2109  
 DATE 06/18/20  
 OPERATOR'S WELL# LAKOTA UNIT #1H

**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.
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WELL TYPE: OIL \_\_\_ GAS X LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_ 47 \_\_\_ 017 \_\_\_ 06892  
 (IF "GAS") PRODUCTION X STORAGE \_\_\_ DEEP \_\_\_ SHALLOW X STATE COUNTY PERMIT  
 LOCATION: ELEVATION 1,283' - AS BUILT WATERSHED HEADWATERS MIDDLE ISLAND CREEK  
 QUADRANGLE SMITHBURG 7.5' DISTRICT WEST UNION COUNTY DODDRIDGE  
 SURFACE OWNER GEORGE S. WYCKOFF ACREAGE 70.58 ACRES +/-  
 OIL & GAS ROYALTY OWNER V.B. CHAPMAN ET UX; JOHNSON B. SMITH ET UX; R.L. BARNES ET UX; HELEN INGRID HALL; LEASE ACREAGE 156 AC +/-; 180 AC +/-; 222 AC +/-; 33 AC +/-;  
 E. C. JONES ET AL; DOROTHY E. O'HANLON; SUSAN WOODS; WYSRA; JOSEPH P. LOWTHER; WVDNR; SUSAN H. JONES; 300 AC +/-; 69.86 AC +/-; 77.53 AC +/-; 301.19 AC +/-; 9 AC +/-; 8.9 AC +/-; 36 AC +/-;  
 A. E. FITZWILLIAMS ET AL; KENNETH KOEBEL; SPENCER ENTERPRISES, LLC; ROBERT L. MOORE ET AL; HUGH SPENCER ET UX 138.5 AC +/-; 27.94 AC +/-; 43 AC +/-; 24 AC +/-; 132 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 6,920' TVD 21,049' MD  
 WELL OPERATOR ANTERO RESOURCES CORP. DESIGNATED AGENT DIANNA STAMPER - CT CORPORATION SYSTEM  
 ADDRESS 1615 WYNKOOP ST. ADDRESS 5400 D BIG TYLER ROAD  
 DENVER, CO 80202 CHARLESTON, WV 25313

7,412' TO BOTTOM HOLE  
 LONGITUDE 80°42'30"  
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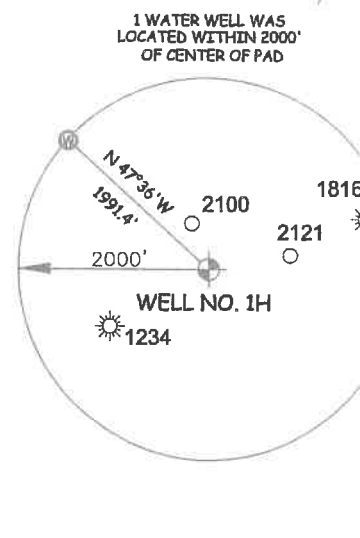
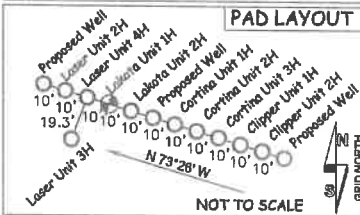


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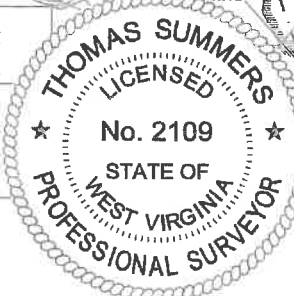
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COUNTY NAME PERMIT