

LATITUDE 39°20'00"

7,117'

LATITUDE 39°17'30" 3,116' TO BOTTOM HOLE

Antero Resources Corporation Well No. Lakota Unit 1H

NOTES: WELL 1H TOP HOLE INFORMATION: N: 296,529ft E: 1,650,975ft LAT: 39°18'27.25" LON: 80°44'00.55" BOTTOM HOLE INFORMATION: N: 283,238ft E: 1,654,798ft LAT: 39°16'16.41" LON: 80°43'09.62" 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: 4,350,952m E: 522,993m BOTTOM HOLE INFORMATION: N: 4,346,922m E: 524,225m

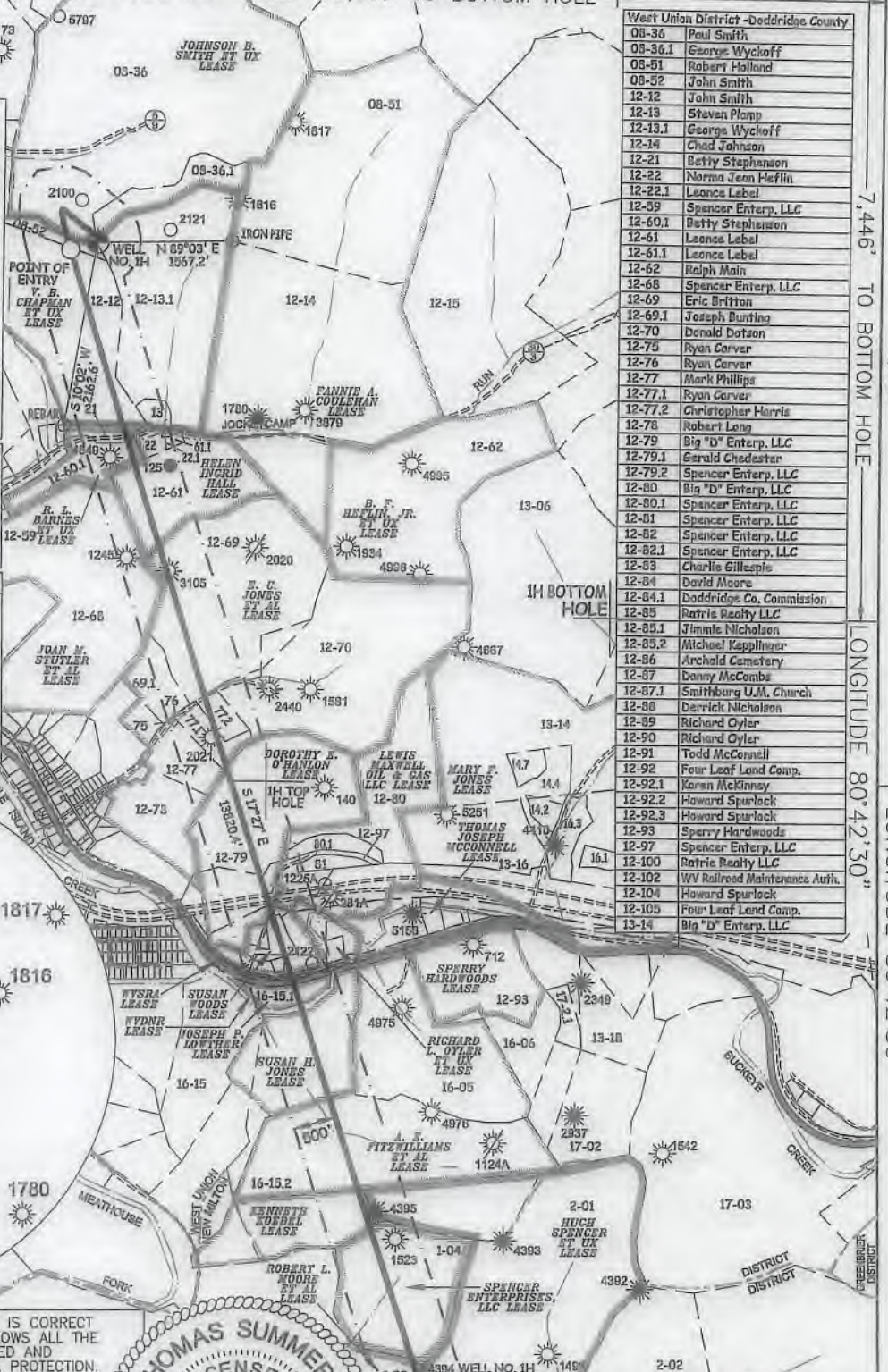
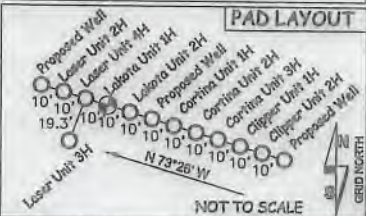


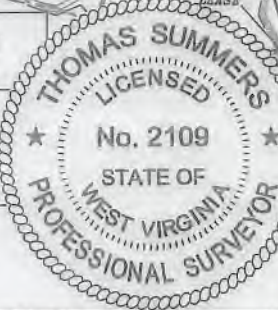
Table listing land parcels in West Union District - Doddridge County, including parcel numbers and owner names.

Table listing land parcels in New Milton District - Doddridge County, including parcel numbers and owner names.

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.



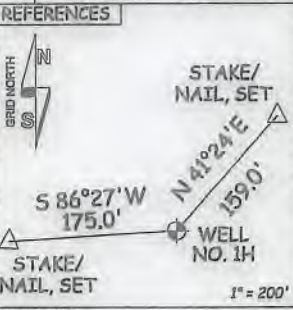
STATE OF WEST VIRGINIA, DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS. WILLOW LAND SURVEYING PLLC, 220 MASONIC AVE. PENNSBORO WEST VIRGINIA 26415



(NAD) 27 (UTM) ZONE 17 COORDS: WELL 1H TOP HOLE INFORMATION: N: 14,274,033ft E: 1,715,805ft POINT OF ENTRY INFORMATION: N: 14,273,921ft E: 1,715,484ft BOTTOM HOLE INFORMATION: N: 14,260,812ft E: 1,719,848ft

JOB # 18-034WA DRAWING # LAKOTA1HR3 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 +/- Existing Fence Found monument, as noted. THOMAS SUMMERS P.S. 2109 DATE 09/09/19 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.

WELL TYPE: OIL GAS X LIQUID INJECTION WASTE DISPOSAL 47 017 06892 MOD 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 158 AC +/-; 180 AC +/-; 222 AC +/-; 33 AC +/-; E. C. JONES ET AL.; DOROTHY E. OHANLON; SUSAN WOODS; WVSRA; JOSEPH P. LOWTHER; WVDNR; SUSAN H. JONES; 300 AC; 69.88 AC +/-; 77.53 AC +/-; 301.19 AC +/-; 9 AC +/-; 0.9 AC +/-; 36 AC +/-; A. E. FITZ WILLIAMS ET AL.; KENNETH KOEHL; 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) MOD-BHL PLUG & ABANDON CLEAN OUT & REPLUG TARGET FORMATION MARCELLUS ESTIMATED DEPTH 7,500' TVD 22,800' 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

7,446' TO BOTTOM HOLE 9,384' LONGITUDE 80°42'30" LONGITUDE 80°42'30"

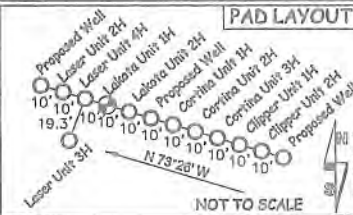
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Antero Resources Corporation
Well No. Lakota Unit 1H

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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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WELL 1H TOP HOLE INFORMATION:
N: 4,350,952m E: 522,993m
BOTTOM HOLE INFORMATION:
N: 4,346,922m E: 524,225m



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 Plamp
12-13.1	George Wyckoff
12-14	Chad Johnson
12-21	Betty Stephenson
12-22	Norma Jean Heflin
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 Maln
12-68	Spencer Enterp. LLC
12-69	Eric Britton
12-69.1	Joseph Bunting
12-70	Donald Dotson
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 Gledester
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	Ratria Realty LLC
12-85.1	Jimmie Nicholson
12-85.2	Michael Kepplinger
12-86	Arnold Cemetery
12-87	Danny McCombs
12-87.1	Smithburg U.M. Church
12-88	Derrick Nicholson
12-89	Richard Oyler
12-90	Richard Oyler
12-91	Todd McConnell
12-92	Four Leaf Land Comp.
12-92.1	Karen McKinney
12-92.2	Howard Sparlock
12-92.3	Howard Sparlock
12-93	Sperry Hardwoods
12-97	Spencer Enterp. LLC
12-100	Ratria Realty LLC
12-102	WV Railroad Maintenance Auth.
12-104	Howard Sparlock
12-105	Four Leaf Land Comp.
13-14	Big "D" Enterp. LLC

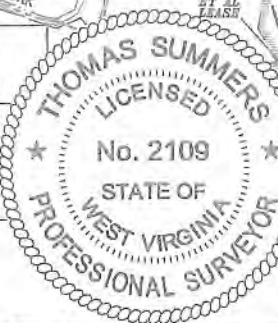
West Union District - Doddridge County	
13-14.2	Lucien Sammons
13-14.4	Lucien Sammons
13-14.7	David Mitchell
13-16	Big "D" Enterp. LLC
13-16.1	John Strickling
13-16.3	Hall Drilling LLC
13-18	Frank Race
16-05	Ruby Ballenger
16-06	Ruby Ballenger
16-15	Markest Liberty Midstream & Res. LLC
16-15.1	Lawrence Gaskins
16-15.2	Markest Liberty Midstream & Res. LLC
17-02	Ruby Ballenger
17-2.1	Ruby Ballenger
17-03	Helen Jones

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WILLOW LAND SURVEYING PLLC
220 MASONIC AVE. PENNSBORO WEST VIRGINIA 26415



JOB # 18-034WA
DRAWING # LAKOTA1HR3
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 09/09/19
OPERATOR'S WELL# LAKOTA UNIT #1H

REFERENCES
GRID NORTH
STAKE/ NAIL, SET
5 86°27'W 175.0'
N 41°24'E 159.0'
STAKE/ NAIL, SET
WELL NO. 1H
1" = 200'

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___ 47 - 017 Office of Conservation
(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 +/-
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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 7,500' TVD 22,800' MD
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FORM WW-6 DENVER, CO 80202 CHARLESTON, WV 25313

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