

LATITUDE 39°20'00"

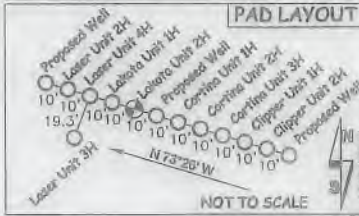
7,108'

LATITUDE 39°17'30" 4,219' TO BOTTOM HOLE

Antero Resources Corporation
Well No. Lakota Unit 2H

NOTES:
WELL 2H TOP HOLE INFORMATION:
N: 296,526ft E: 1,650,985ft
LAT: 39°18'27.22" LON: 80°44'00.43"
BOTTOM HOLE INFORMATION:
N: 289,835ft E: 1,653,784ft
LAT: 39°17'21.47" LON: 80°43'23.66"
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: 4,350,951m E: 522,996m
BOTTOM HOLE INFORMATION:
N: 4,348,927m E: 523,883m



| West Union District - Doddridge County | |
|--|--------------------------|
| 08-36 | Paul Smith |
| 08-36.1 | George Wychoff |
| 08-51 | Robert Holland |
| 08-52 | John Smith |
| 12-12 | John Smith |
| 12-13 | Steven Plamp |
| 12-13.1 | George Wychoff |
| 12-14 | Chad Johnson |
| 12-21 | Betty Stephenson |
| 12-22 | Norma Jean Heflin |
| 12-22.1 | Leance Label |
| 12-59 | Spencer Enterp. LLC |
| 12-60.1 | Betty Stephenson |
| 12-61 | Leance Label |
| 12-61.1 | Leance Label |
| 12-62 | Ralph Main |
| 12-58 | 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 Gheaster |
| 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 | Patric Realty LLC |

| | |
|---------|-------------------------------|
| 12-85.1 | Jimmie Nicholson |
| 12-85.2 | Michael Kepplinger |
| 12-86 | Archald Cemetery |
| 12-87 | Danny McCombs |
| 12-87.1 | Smithburg U.M. Church |
| 12-88 | Derrick Nicholson |
| 12-89 | Richard Oylar |
| 12-90 | Richard Oylar |
| 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 | Patric 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 |
| 13-16 | Big "D" Enterp. LLC |
| 13-16.1 | John Strickling |
| 13-16.3 | Hall Drilling LLC |
| 13-16 | Frank Race |
| 16-09 | Ruby Ballenger |
| 16-04 | Ruby Ballenger |
| 16-15 | Westmost Liberty Midstream & Res. LLC |
| 16-15.1 | Lawrence Gaskins |
| 16-15.2 | Westmost 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 Hill |
| 1-04 | Elwood Hill |
| 1-08 | Ralph Lacy |
| 1-10 | Donald Barnes |
| 2-01 | Ronald Law |
| 2-02 | Robert Blind |

NOTE:
NO OCCUPIED DWELLINGS OR BUILDINGS TWO THOUSAND FIVE HUNDRED (2,500) SQUARE FEET OR LARGER USED TO HOUSE OR SHELTER BARRY CATTLE OR POULTRY HUSBANDRY ARE LOCATED WITHIN SIX HUNDRED TWENTY-FIVE (625) FEET OF THE CENTER OF THE WELL PAD.

WV NORTH ZONE GRID NORTH

864' TO BOTTOM HOLE LONGITUDE 80°42'30"

9,387'

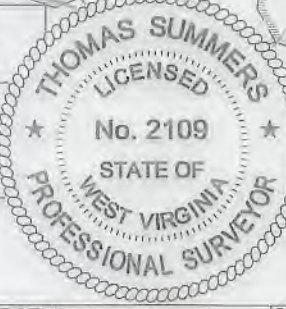
LONGITUDE 80°42'30"

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



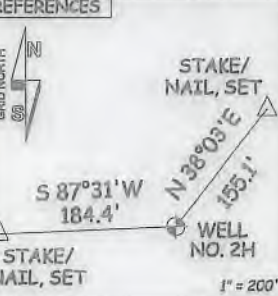
(NAD) 27 (UTM) ZONE 17 COORDS:
WELL 2H TOP HOLE INFORMATION:
N: 14,274,031ft E: 1,715,814ft
POINT OF ENTRY INFORMATION:
N: 14,274,180ft E: 1,716,451ft
BOTTOM HOLE INFORMATION:
N: 14,267,389ft E: 1,718,724ft

JOB # 18-034WA
DRAWING # LAKOTA2HR2ah
SCALE 1" = 2000'
MINIMUM DEGREE OF ACCURACY SUBMETER
PROVEN SOURCE OF ELEV. SUBMETER MAPPING GRADE GPS

LEGEND
--- Surface Owner Boundary Lines +/-
--- Interior Surface Tracts +/-
X Existing Fence
⊕ Found monument, as noted

THOMAS SUMMERS P.S. 2109

DATE 05/09/19
OPERATOR'S WELL# LAKOTA UNIT #2H



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

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___ 47 - 017 - 06843

(IF "GAS") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X STATE COUNTY PERMIT

LOCATION: ELEVATION 1,283' - AS BUILT WATERSHED HEADWATERS MIDDLE ISLAND CREEK

QUADRANGLE SMITHBURG 7.3 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; FANNIE A. COULEHAN; HELEN INGRID HALL; E. C. JONES ET AL.; DOROTHY E. O'HANLON LEASE ACREAGE 156 AC.±; 180 AC.±; 234.94 AC.±; 33 AC.±; 300 AC.±; 69.86 AC.±

PROPOSED WORK: DRILL X CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE X
PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION X OTHER PHYSICAL CHANGE IN WELL (SPECIFY) ___ PLUG & ABANDON CLEAN OUT & REPLUG

TARGET FORMATION MARCELLUS ESTIMATED DEPTH 7,500' TVD 15,800' 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



Antero Resources Corporation
 Appalachian Basin
 George Scott Pad
 Doddridge County

RECEIVED
 Office of Oil and Gas

Quadrangle: Smithburg
 Watershed: Headwaters Middle Island Creek
 District: West Union
 Date: 3-17-17

MAY 13 2017

WV Department of
 Environmental Protection