

LATITUDE 39°20'00"

7,079'

9,302' TO BOTTOM HOLE

LATITUDE 39°22'30"

LONGITUDE 80°42'30"

9,395'

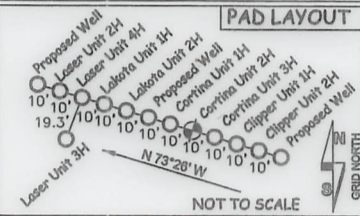
12,964' TO BOTTOM HOLE

LONGITUDE 80°42'30"

Antero Resources Corporation Well No. Cortina Unit 2H

NOTES: WELL 2H TOP HOLE INFORMATION: N: 296,518ft E: 1,651,013ft LAT: 39°18'27.14" LON: 80°44'00.06" BOTTOM HOLE INFORMATION: N: 308,154ft E: 1,648,946ft LAT: 39°20'21.86" LON: 80°44'28.40" 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: 4,350,949m E: 523,004m BOTTOM HOLE INFORMATION: N: 4,354,483m E: 522,316m



WV NORTH ZONE GRID NORTH



Table listing landowners and lease information for various well numbers, including names like Samuel Hammett, Larry Williams, Kinney Cemetery, Diana Knight, Worthy Underwood Jr., Lisa Nicholson, Roger Racot, Charles Henderson, Lois Murphy, Larry Williams, Kelli Jett, Phillip Williams, Lois Murphy, Jerry Chio, Red Oak Grove Church Trustees, Lorelei Phillips, Steven Chipps, Steven Chipps, Steven Chipps, Diana Knight, Seth Evely, Lorelei Phillips, Lorelei Phillips, Antero Resources Corporation, Antero Resources Corporation, Klaver Family Trust, Diana Bonnell, Michael O'Brien, Antero Resources Corporation, Steven Chipps, Lisa Daro, Michael O'Brien, John Davis, Michael O'Brien, Sheila Haught, Brian Daro, Michael O'Brien, Michael O'Brien, Paul Smith, George Wyckoff, Robert Holland, John Smith, John Smith, John Smith, George Wyckoff.

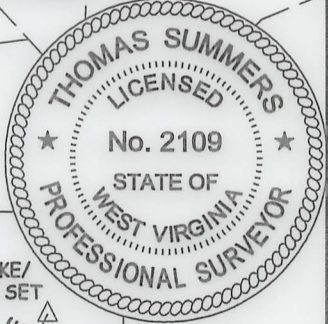
I, THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE RULES ISSUED AND PERSCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.



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

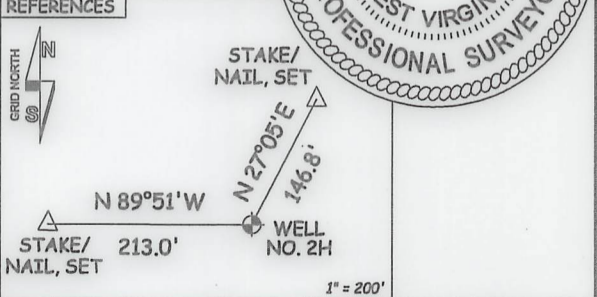
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(NAD) 27 (UTM) ZONE 17 COORDS: WELL 2H TOP HOLE INFORMATION: N: 14,274,022ft E: 1,715,843ft POINT OF ENTRY INFORMATION: N: 14,274,462ft E: 1,717,100ft BOTTOM HOLE INFORMATION: N: 14,285,618ft E: 1,713,583ft



JOB # 18-033WA DRAWING # CORTINA2HR3 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# CORTINA UNIT #2H



WELL TYPE: OIL GAS X LIQUID INJECTION WASTE DISPOSAL 47 - 017 - 06890 MOD (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 104.27 ACRES +/- LEASE ACREAGE 156 ACRES +/-; 180 ACRES +/-; 105.93 ACRES +/-; 230 ACRES +/-; 75 ACRES +/-; 53 ACRES +/-; 54 ACRES +/- OIL & GAS ROYALTY OWNER V.B. CHAPMAN ET UX; JOHNSON B. SMITH ET UX; P.S. COWMAN ET UX; JOHNSON WILLIAMS; EDGAR DAVISSON ET UX; GEORGE BENTON WHITE; R. B. WHITE HEIRS; C. HOWARD KNIGHT ET AL 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 21,000' MD WELL OPERATOR ANTERO RESOURCES CORP. DESIGNATED AGENT DIANNA STAMPER - CT CORPORATION SYSTEM ADDRESS 1615 WYNKOOP ST. DENVER, CO 80202 ADDRESS 5400 D BIG TYLER ROAD CHARLESTON, WV 25313

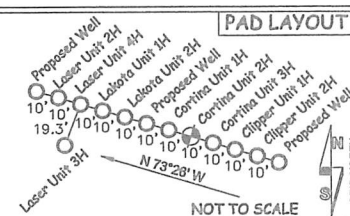
LATITUDE 39°20'00" 7,079'

9,302' TO BOTTOM HOLE LATITUDE 39°22'30"

Antero Resources Corporation  
Well No. Cortina Unit 2H

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Grant District - Doddridge County	
08-2.1	Samuel Hammett
West Union District - Doddridge County	
05-04	Larry Williams
05-06	Kinney Cemetery
05-07	Diana Knight
05-7.1	Worthy Underwood Jr.
05-7.2	
05-7.3	Lisa Nicholson
05-7.4	Roger Beacot
05-7.5	Diana Knight
05-08	Emeneo Sanchez
05-8.1	Charles Henderson
05-09	Lois Murphy
05-11	Larry Williams
05-12	Kelli Jett
05-13	Philip Williams
05-14	Lois Murphy
05-15	Jerry Chlo
05-15.1	Red Oak Grove Church Trustees
05-16	Lorelei Phillips
05-17	Red Oak Grove Church Trustees
05-18	Steven Chipps
05-20	Steven Chipps
05-21	Steven Chipps
05-22	Diana Knight
08-03	Seth Everly
08-04	Lorelei Phillips
08-4.1	Lorelei Phillips
08-05	Lorelei Phillips
08-5.1	Antero Resources Corporation
08-06	Antero Resources Corporation
08-09	Klever Family Trust
08-10	Diana Bonnell
08-11	Michael O'Brien
08-12	Antero Resources Corporation
08-13	Steven Chipps
08-14	Lisa Daro
08-20	Michael O'Brien
08-21	John Davis
08-22	Michael O'Brien
08-23	Sheila Haught
08-23.1	Brian Daro
08-35	Michael O'Brien
08-35.1	Michael O'Brien
08-36	Paul Smith
08-36.1	George Wyckoff
08-51	Robert Holland
08-52	John Smith
12-11	John Smith
12-12	John Smith
12-13.1	George Wyckoff

WV NORTH ZONE  
GRID NORTH

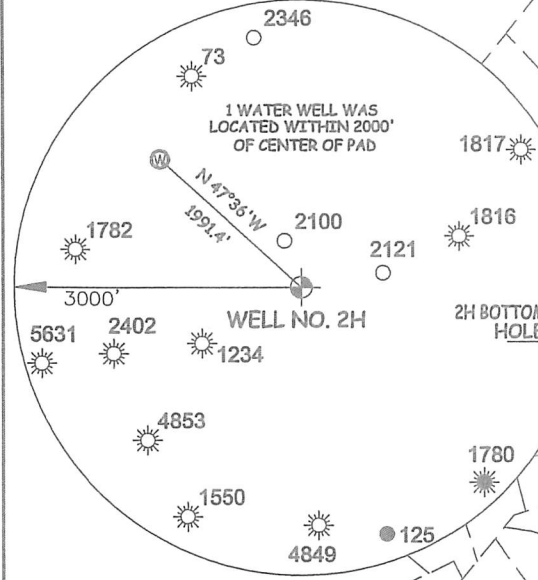
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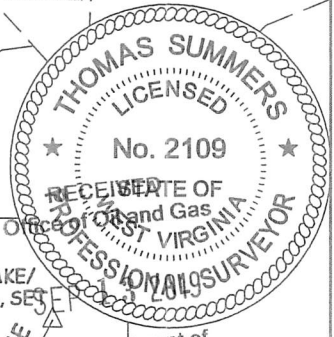


STATE OF WEST VIRGINIA, DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS

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

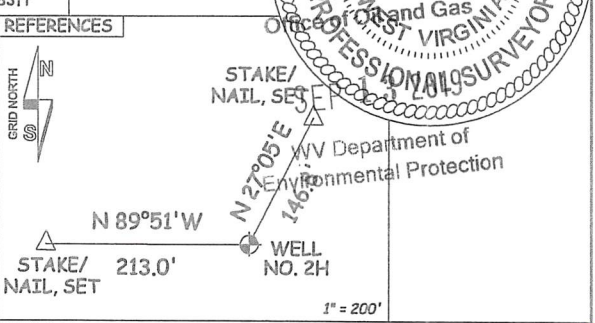
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JOB # 18-033WA  
DRAWING # CORTINA2HR3  
SCALE 1" = 2000'  
MINIMUM DEGREE OF ACCURACY SUBMETER  
PROVEN SOURCE OF ELEV. SUBMETER MAPPING GRADE GPS

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



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

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

WELL TYPE: OIL \_\_\_ GAS X LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_ 47 \_\_\_ 017 \_\_\_ 06890 MOD  
(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 104.27 ACRES +/-  
OIL & GAS ROYALTY OWNER V.B. CHAPMAN ET UX; JOHNSON B. SMITH ET UX; LEASE ACREAGE 156 ACRES±; 180 ACRES±;  
P.S. COWMAN ET UX; JOHNSON WILLIAMS; EDGAR DAVISSON ET UX; 105.93 ACRES±; 105.5 ACRES±; 230 ACRES±;  
GEORGE BENTON WHITE; R. B. WHITE HEIRS; C. HOWARD KNIGHT ET AL 75 ACRES±; 53 ACRES±; 54 ACRES±;  
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  
TARGET FORMATION MARCELLUS PLUG & ABANDON \_\_\_ CLEAN OUT & REPLUG \_\_\_  
WELL OPERATOR ANTERO RESOURCES CORP. ESTIMATED DEPTH 7,500' TVD 21,000' MD  
ADDRESS 1615 WYNKOOP ST. DESIGNATED AGENT DIANNA STAMPER - CT CORPORATION SYSTEM  
FORM WW-6 DENVER, CO 80202 ADDRESS 5400 D BIG TYLER ROAD CHARLESTON, WV 25313