

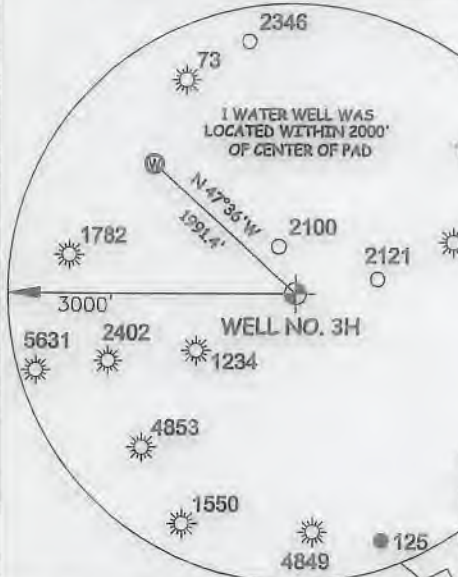
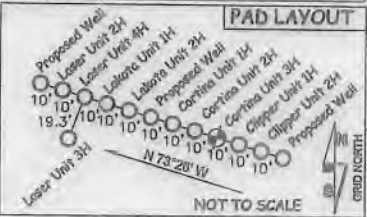
LATITUDE 39°20'00"

7,069'

Antero Resources Corporation
Well No. Cortina Unit 3H

NOTES:
WELL 3H TOP HOLE INFORMATION:
N: 296,515ft E: 1,651,023ft
LAT: 39°18'27.12" LON: 80°43'59.94"
BOTTOM HOLE INFORMATION:
N: 308,196ft E: 1,649,801ft
LAT: 39°20'22.39" LON: 80°44'17.52"
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 3H TOP HOLE INFORMATION:
N: 4,350,948m E: 523,007m
BOTTOM HOLE INFORMATION:
N: 4,354,500m E: 522,576m



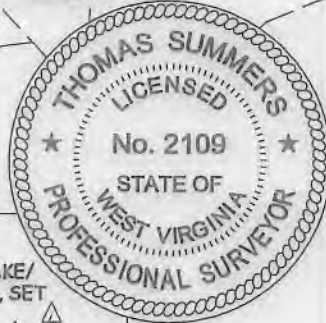
I, THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE RULES ISSUED AND PERSCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.



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

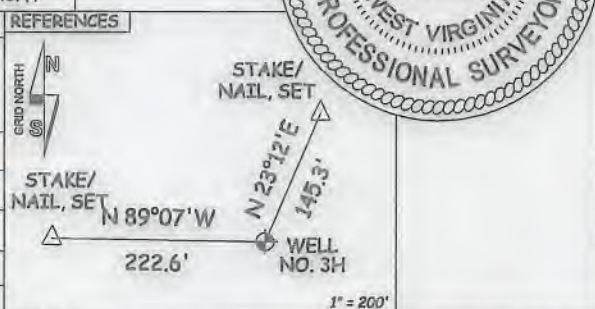
NOTE
NO OCCUPIED DWELLINGS OR BUILDINGS TWO THOUSAND FIVE HUNDRED (2,500) SQUARE FEET OR LARGER USED TO HOUSE OR SHELTER DAIRY CATTLE OR POULTRY HUSBANDRY ARE LOCATED WITHIN SIX HUNDRED TWENTY-FIVE (625) FEET OF THE CENTER OF THE WELL PAD.

(NAD) 27 (UTM) ZONE 17 COORDS:
WELL 3H TOP HOLE INFORMATION:
N: 14,274,020ft E: 1,715,853ft
POINT OF ENTRY INFORMATION:
N: 14,274,684ft E: 1,717,903ft
BOTTOM HOLE INFORMATION:
N: 14,285,674ft E: 1,714,437ft



JOB # 18-033WA
DRAWING # CORTINA3HR3
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# CORTINA UNIT #3H



WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___ 47 - 017 - 06891.m00
(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; FANNIE A. COULEHAN; LEASE ACREAGE 156 ACRES±; 234.94 ACRES±;
JOHNSON B. SMITH ET UX; P.B. McCLAIN ET UX; JOHNSON WILLIAMS; 180 ACRES±; 200 ACRES±; 105.5 ACRES±;
EDGAR DAVISSON ET UX; GEORGE BENTON WHITE; C. HOWARD KNIGHT ET AL 230 ACRES±; 75 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 PLUG & ABANDON CLEAN OUT & REPLUG
TARGET FORMATION MARCELLUS ESTIMATED DEPTH 7,500' TVD 22,100' 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

Table listing lease owners and well numbers. Includes names like Samuel Hammett, Larry Williams, Diana Knight, etc.

WV NORTH ZONE GRID NORTH

LONGITUDE 80°42'30" 12,911' TO BOTTOM HOLE

9,398'

LONGITUDE 80°42'30"

8,448' TO BOTTOM HOLE

LATITUDE 39°22'30"

LATITUDE 39°20'00"

7,069'

8,448' TO BOTTOM HOLE

LATITUDE 39°22'30"

LONGITUDE 80°42'30" 12,911' TO BOTTOM HOLE

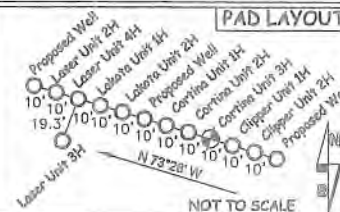
9,398'

LONGITUDE 80°42'30"

Antero Resources Corporation Well No. Cortina Unit 3H

NOTES: WELL 3H TOP HOLE INFORMATION: N: 296,515ft E: 1,651,023ft LAT: 39°18'27.12" LON: 80°43'59.94" BOTTOM HOLE INFORMATION: N: 308,196ft E: 1,649,801ft LAT: 39°20'22.39" LON: 80°44'17.52" 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.

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WV NORTH ZONE GRID NORTH

Table listing well numbers and names: 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 Lisa Nicholson, 05-7.4 Roger Bacot, 05-7.5 Diana Knight, 05-08 Emerso 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 Chio, 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 Eavly, 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 Doro, 08-20 Michael O'Brien, 08-21 John Davis, 08-22 Michael O'Brien, 08-23 Sheila Haught, 08-23.1 Brian Doro, 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).



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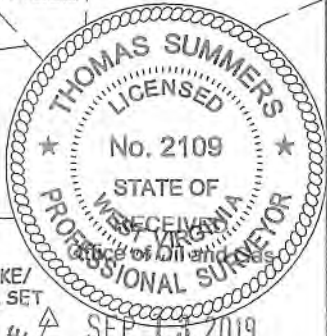


STATE OF WEST VIRGINIA, DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS

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

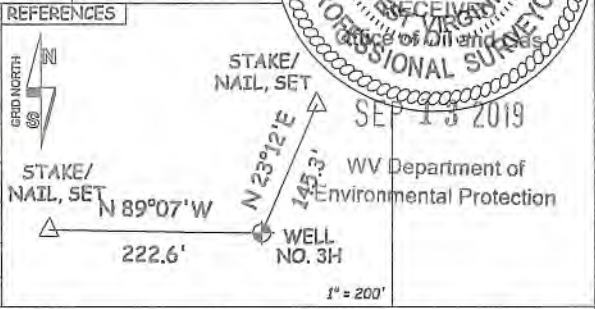
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JOB # 18-033WA DRAWING # CORTINA3HR3 SCALE 1" = 2000' MINIMUM DEGREE OF ACCURACY SUBMETER PROVEN SOURCE OF ELEV. SUBMETER MAPPING GRADE GPS STATE OF WEST VIRGINIA DEPARTMENT OF ENERGY DIVISION OF OIL AND GAS

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 #3H



WELL TYPE: OIL GAS X LIQUID INJECTION WASTE DISPOSAL 47 017 06891 (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; FANNIE A. COULEHAN; LEASE ACREAGE 156 ACRES+; 234.94 ACRES+; JOHNSON B. SMITH ET UX; P.B. McCLAIN ET UX; JOHNSON WILLIAMS; 180 ACRES+; 200 ACRES+; 105.5 ACRES+; EDGAR DAVISSON ET UX; GEORGE BENTON WHITE; C. HOWARD KNIGHT ET AL 230 ACRES+; 75 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 PLUG & ABANDON CLEAN OUT & REPLUG TARGET FORMATION MARCELLUS ESTIMATED DEPTH 7,500' TVD 22,100' 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

COUNTY NAME PERMIT