

LATITUDE 39°20'00"

7,079'

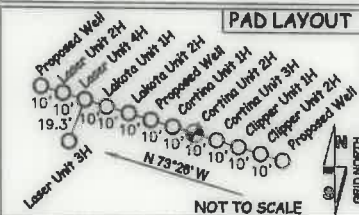
9,092' TO BOTTOM HOLE

LATITUDE 39°22'30"

Antero Resources Corporation
Well No. Cortina Unit 2H

AS DRILLED DATA:
WELL 2H TOP HOLE INFORMATION:
N: 296,518ft E: 1,651,014ft
LAT: 39°18'27.14" LON: 80°44'00.05"
BOTTOM HOLE INFORMATION:
N: 307,693ft E: 1,649,150ft
LAT: 39°20'17.34" LON: 80°44'25.73"
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: 4,354,344m E: 522,380m



1 WATER WELL WAS LOCATED WITHIN 2000' OF CENTER OF PAD

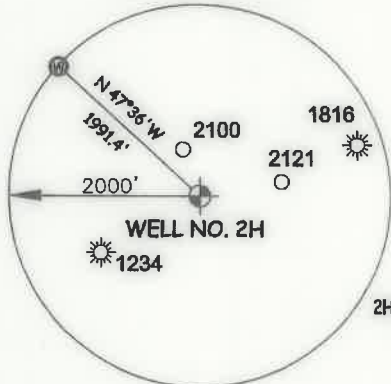


Table listing landowners and lease information for various parcels. Includes names like Samuel Hommett, Larry Williams, Kinney Cemetery, and others, along with parcel numbers and lease details.

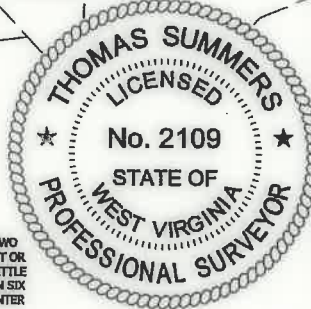
LONGITUDE 80°42'30" 13,422' TO BOTTOM HOLE LONGITUDE 80°42'30"

9,395'

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



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

- NOTE
1. 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.
2. TOP HOLE DATA SHOWN HEREON WAS PROVIDED BY ANTERO RESOURCES CORPORATION.
3. AS DRILLED DATA WAS PROVIDED BY ANTERO RESOURCES CORPORATION.
4. WLS IS NOT CERTIFYING THE DATA AND INFORMATION PROVIDED LISTED IN NOTES 2 AND 3, ONLY THE RELATIONSHIP TO THE DATA AND INFORMATION PROVIDED TO THE LEASE BOUNDARIES.
5. WLS IS BY NO MEANS RESPONSIBLE FOR ANY ERRORS OR INACCURACIES WITH THE DATA AND INFORMATION THAT HAS BEEN PROVIDED.

WELL TYPE: OIL GAS X LIQUID INJECTION WASTE DISPOSAL 47 017 06890
(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) AS DRILLED PLUG & ABANDON CLEAN OUT & REPLUG
TARGET FORMATION MARCELLUS ESTIMATED DEPTH 7,097' TVD 18,615' 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

COUNTY NAME PERMIT

LATITUDE 39°20'00"

7,079'

9,092' TO BOTTOM HOLE

LATITUDE 39°22'30"

Antero Resources Corporation Well No. Cortina Unit 2H

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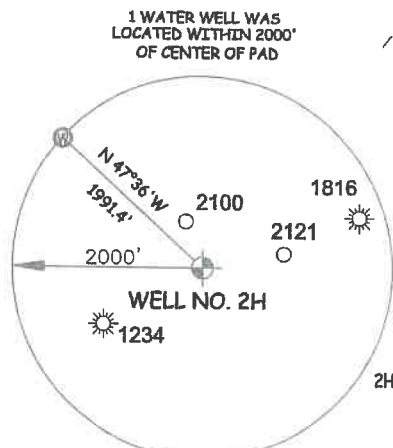
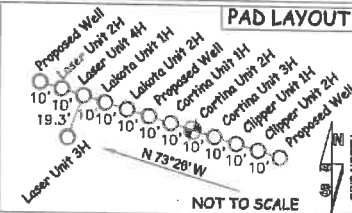


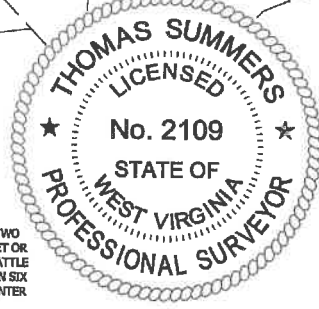
Table listing lease owners and well numbers. Includes names like Samuel Hammett, Larry Williams, Diana Knight, Worthy Underwood Jr., Lisa Nicholson, Roger Bacot, Diana Knight, Emeneo Sanchez, Charles Henderson, Lois Murphy, Larry Williams, Kelli Jett, Philip Williams, Lois Murphy, Jerry Chio, Red Oak Grove Church Trustees, Lorelei Phillips, Red Oak Grove Church Trustees, Steven Chipps, Steven Chipps, Steven Chipps, Diana Knight, Seth Every, Lorelei Phillips, Lorelei Phillips, Lorelei Phillips, Antero Resources Corporation, Antero Resources Corporation, Kiever Family Trust, Diana Bennell, Michael O'Brien, Antero Resources Corporation, Steven Chipps, Lisa Dora, Michael O'Brien, John Davis, Michael O'Brien, Sheila Hought, Brian Dora, Michael O'Brien, Michael O'Brien, Paul Smith, George Wyckoff, Robert Holland, John Smith, John Smith, John Smith, George Wyckoff.

LONGITUDE 80°42'30" 13,422' TO BOTTOM HOLE LONGITUDE 80°42'30"

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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 # 18-033WA DRAWING # CORTINA2HAD 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# CORTINA UNIT #2H

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