

LATITUDE 39°20'00"

7,069'

8,428' TO BOTTOM HOLE

LATITUDE 39°22'30"

LONGITUDE 80°42'30"

12,995' TO BOTTOM HOLE

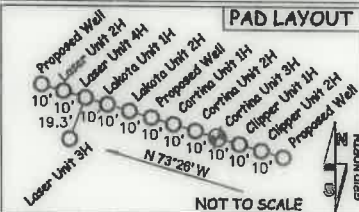
9,398'

LONGITUDE 80°42'30"

Antero Resources Corporation Well No. Cortina Unit 3H

AS DRILLED DATA: WELL 3H TOP HOLE INFORMATION: N: 296,515ft E: 1,651,023ft LAT: 39°18'27.12" LON: 80°43'59.93" BOTTOM HOLE INFORMATION: N: 308,112ft E: 1,649,820ft LAT: 39°20'21.56" LON: 80°44'17.28" 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: 4,354,475m E: 522,582m



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

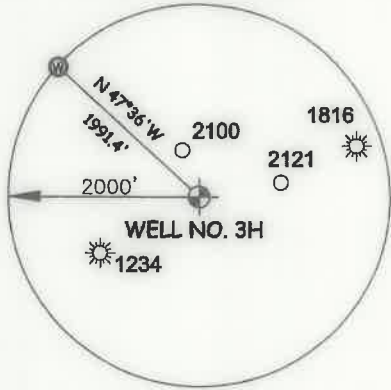


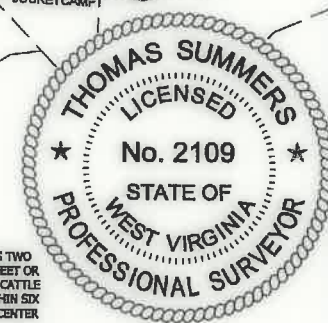
Table listing lease owners and well numbers, including Grant District - Doddridge County, West Union District - Doddridge County, and various individuals like Samuel Hammett, Larry Williams, and others.

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 # CORTINA3HAD SCALE 1" = 2000' MINIMUM DEGREE OF ACCURACY SUBMETER PROVEN SOURCE OF ELEV. SUBMETER MAPPING GRADE GPS

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 #3H

- 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 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 +/- LEASE ACREAGE 156 ACRES+; 234.94 ACRES+; OIL & GAS ROYALTY OWNER V.B. CHAPMAN ET UX; FANNIE A. COULEHAN; 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) AS DRILLED PLUG & ABANDON CLEAN OUT & REPLUG TARGET FORMATION MARCELLUS ESTIMATED DEPTH 7,094' TVD 19,058' 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

LATITUDE 39°20'00"

7,069'

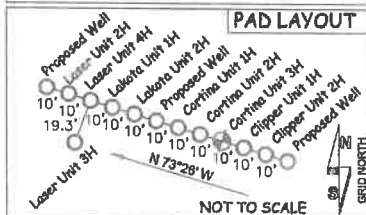
8,428' TO BOTTOM HOLE

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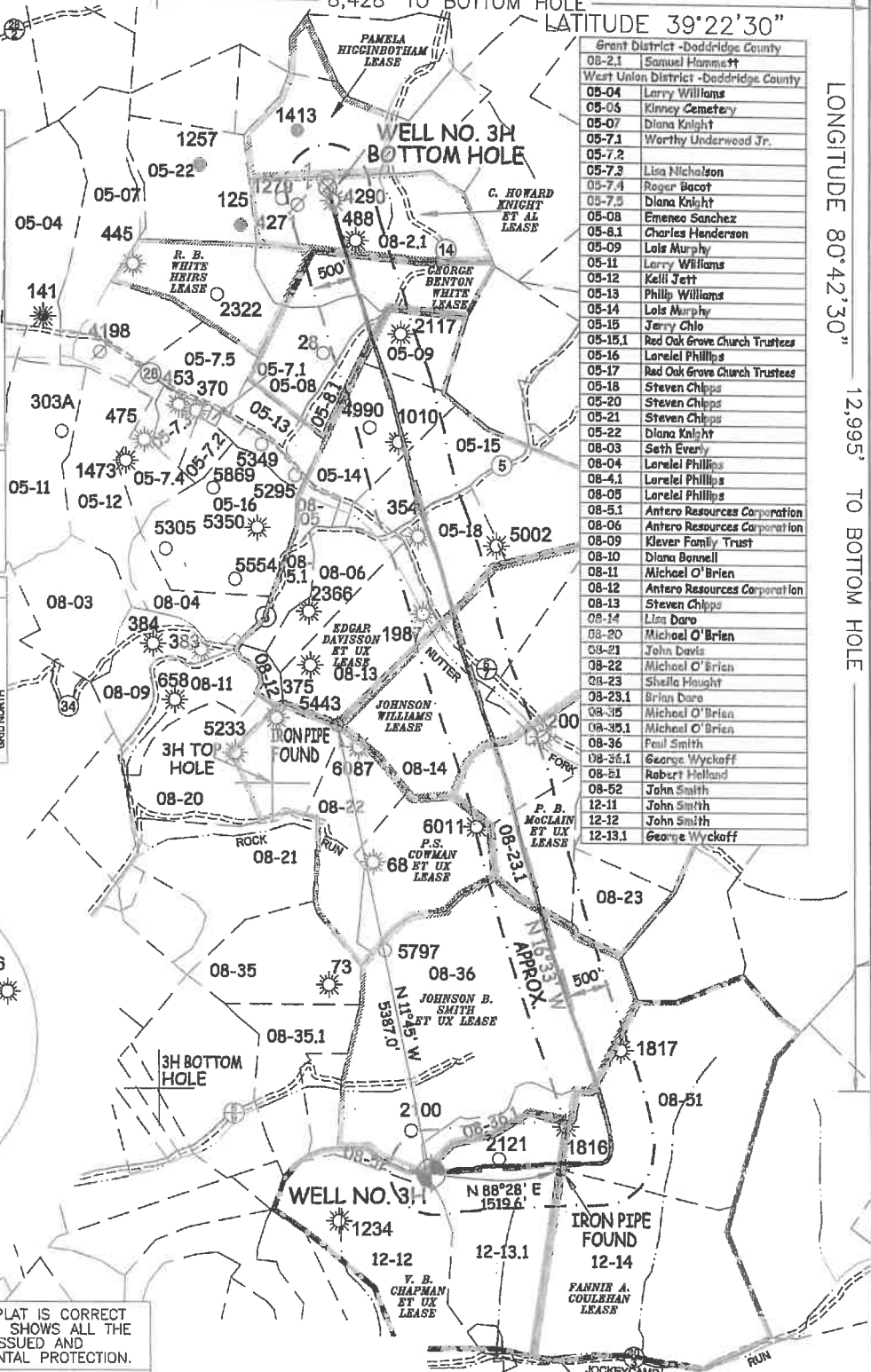
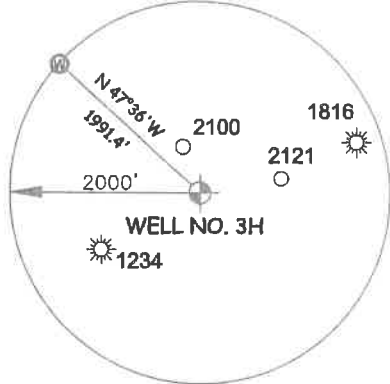


Table listing well numbers and lease owners. Includes names like Samuel Hammett, Larry Williams, Kinney Cemetery, Diana Knight, Worthy Underwood Jr., Lisa Nicholson, Roger Bacot, Diana Knight, Emeesa Sanchez, Charles Henderson, Lois Murphy, Larry Williams, Kelli Jett, Phillip Williams, Lois Murphy, Jerry Chlo, Red Oak Grove Church Trustees, Lorelei Phillips, Red Oak Grove Church Trustees, Steven Chipps, Steven Chipps, Steven Chipps, Diana Knight, Seth Everly, Lorelei Phillips, Lorelei Phillips, Lorelei Phillips, Antero Resources Corporation, Antero Resources Corporation, Klever Family Trust, Diana Bannell, Michael O'Brien, Antero Resources Corporation, Steven Chipps, Lisa Doro, Michael O'Brien, John Davis, Michael O'Brien, Sheila Hought, Brian Doro, Michael O'Brien, Michael O'Brien, Paul Smith, George Wyckoff, Robert Holland, John Smith, John Smith, John Smith, George Wyckoff.

LONGITUDE 80°42'30"

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9,398'

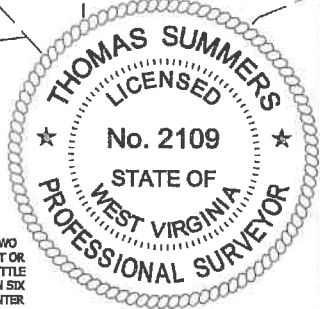
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STATE OF WEST VIRGINIA, DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS

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



JOB # 18-033WA DRAWING # CORTINA3HAD 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. Signature of Thomas Summers. THOMAS SUMMERS P.S. 2109 DATE 06/18/20 OPERATOR'S WELL# CORTINA UNIT #3H

- 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.

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