

LATITUDE 39°15'00"

11,367'

7,502' TO BOTTOM HOLE

LATITUDE 39°15'00"

LONGITUDE 80°50'00"

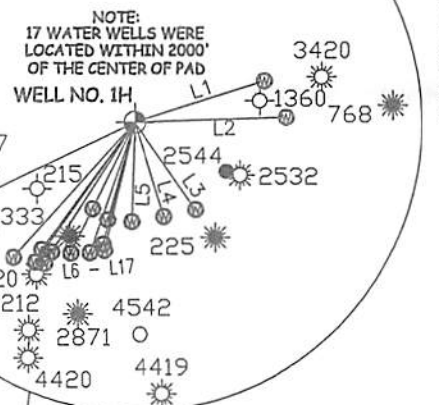
4,179'

LONGITUDE 80°50'00"

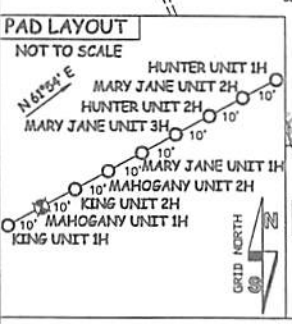
14,380' TO BOTTOM HOLE

LONGITUDE 80°50'00"

Antero Resources Corporation  
Well No. Mahogany Unit 1H  
47-017-06705 (AS DRILLED)



NOTES:  
WELL 1H TOP HOLE INFORMATION:  
N: 271,960ft E: 1,610,985ft  
LAT: 39°14'18.70" LON: 80°52'24.47"  
BOTTOM HOLE INFORMATION:  
N: 261,702ft E: 1,614,699ft  
LAT: 39°12'37.87" LON: 80°51'35.31"  
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 1H TOP HOLE INFORMATION:  
N: 4,343,264m E: 510,935m  
BOTTOM HOLE INFORMATION:  
N: 4,340,157m E: 512,118m



- 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 ALLEGHENY SURVEYS, INC.
  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.

API WELL #  
47 - 017 - 06705  
STATE COUNTY PERMIT

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 # 14-095WA  
DRAWING # MAHOGANY1HAD  
SCALE 1" = 1000'  
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  
  
DOUGLAS R. ROWE P.S. 2202  
DATE 11/01/17  
OPERATOR'S WELL# MAHOGANY UNIT #1H

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

WELL TYPE: OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL   
(IF "GAS") PRODUCTION  STORAGE  DEEP  SHALLOW   
LOCATION: ELEVATION 991.4' - AS DRILLED WATERSHED CABIN RUN  
QUADRANGLE OXFORD 7.5' DISTRICT CENTRAL COUNTY DODDRIDGE  
SURFACE OWNER JAMES E. WEBB ACREAGE 84.89 ACRES +/-  
OIL & GAS ROYALTY OWNER CHARLEY WILSON ET UX; RALPH LEGGETT ET UX; LAURA WHITE ET VIR;  
C.E. ROSS; MARY MAXINE WELCH; F.R. INGRAM ET AL; DENNIS POWELL; OPAL GRIBBLE; LEONA BROADWATER  
LEASE ACREAGE 91 ACRES +/- 25 ACRES +/-  
60 ACRES +/- 25 ACRES +/- 130 ACRES +/- 44.36 ACRES +/- 50 ACRES +/- 160 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 6,512' TVD 17,396' MD  
WELL OPERATOR ANTERO RESOURCES CORP. DESIGNATED AGENT DIANNA STAMPER  
ADDRESS 1615 WYNKOOP STREET ADDRESS CT CORPORATION SYSTEM  
FORM WW-6 DENVER, CO 80202 CHARLESTON, WV 25313

LINE	BEARING	DISTANCE
L1	N 72°15' E	1424.3'
L2	N 88°07' E	1586.6'
L3	S 35°12' E	1107.5'
L4	S 17°19' E	1023.9'
L5	S 01°48' W	1030.8'
L6	S 13°28' W	1389.1'
L7	S 14°41' W	1309.8'
L8	S 15°45' W	1051.0'
L9	S 18°07' W	1434.8'
L10	S 24°11' W	1332.7'
L11	S 26°13' W	1000.5'
L12	S 26°15' W	1517.4'
L13	S 32°47' W	1748.1'
L14	S 32°53' W	1605.3'
L15	S 35°35' W	1789.2'
L16	S 36°23' W	1644.5'
L17	S 42°08' W	1899.8'

LATITUDE 39°15'00"

11,367'

7,502' TO BOTTOM HOLE

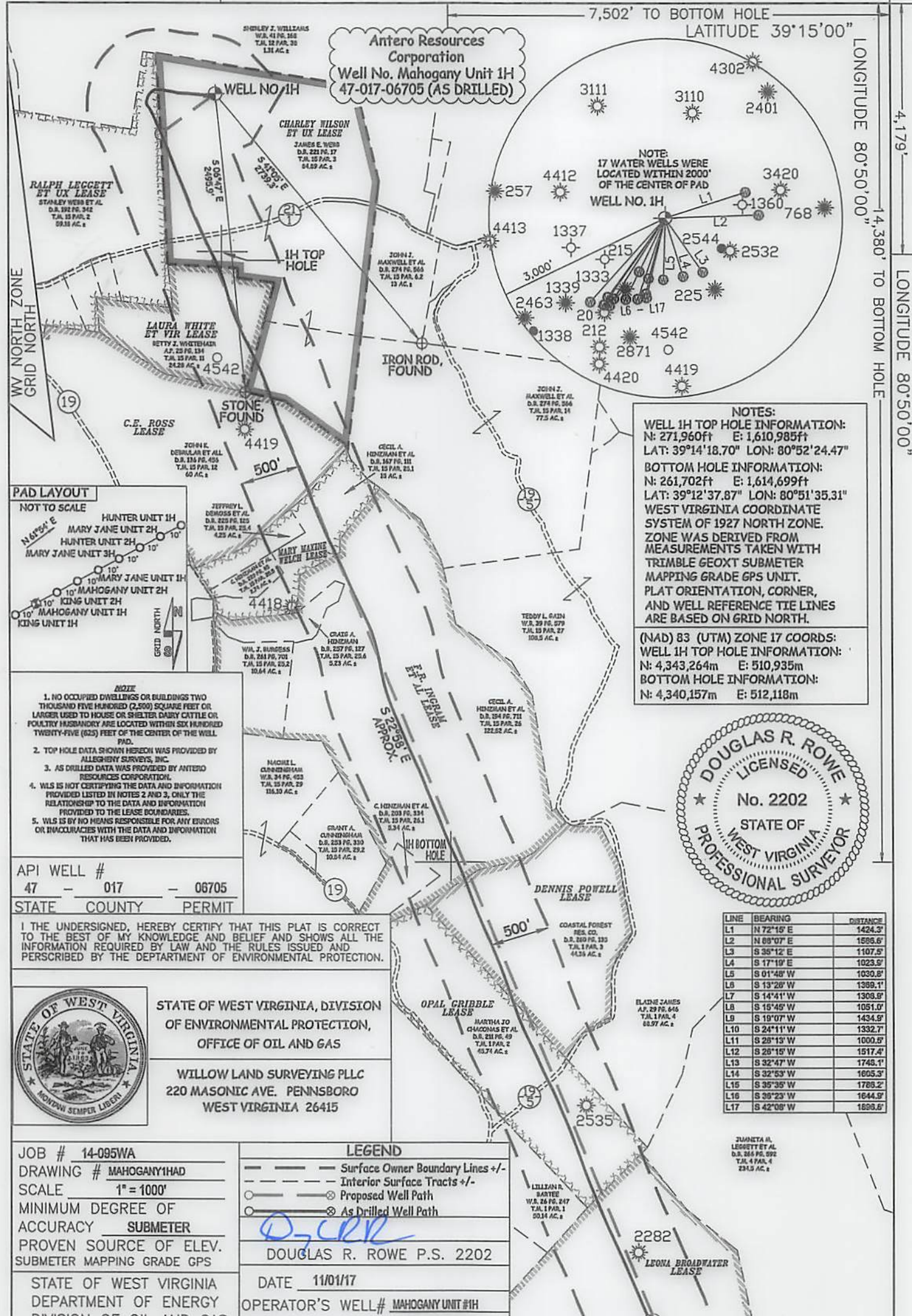
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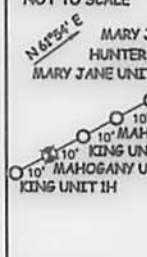
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PAD LAYOUT



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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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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

DOUGLAS R. ROWE P.S. 2202  
DATE 11/01/17  
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