

LATITUDE 39°15'00"

11,315'

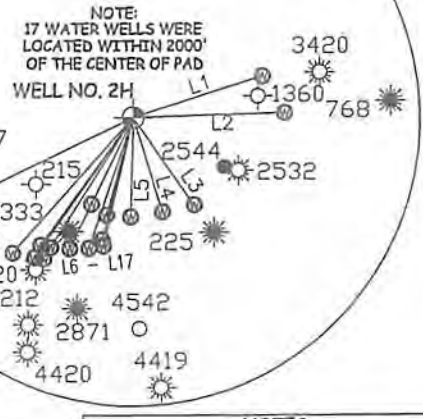
3,659' TO BOTTOM HOLE  
LATITUDE 39°17'30"

LONGITUDE 80°52'30"

4,151'

8,872' TO BOTTOM HOLE  
LONGITUDE 80°50'00"

Antero Resources Corporation  
Well No. Mary Jane Unit 2H  
47-017-06700 (AS DRILLED)



NOTE:  
17 WATER WELLS WERE LOCATED WITHIN 2000' OF THE CENTER OF PAD  
WELL NO. 2H

NOTES:  
WELL 2H TOP HOLE INFORMATION:  
N: 271,988ft E: 1,611,038ft  
LAT: 39°14'18.97" LON: 80°52'23.81"  
BOTTOM HOLE INFORMATION:  
N: 282,505ft E: 1,607,052ft  
LAT: 39°16'02.32" LON: 80°53'16.53"  
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: 4,343,272m E: 510,951m  
BOTTOM HOLE INFORMATION:  
N: 4,346,456m E: 509,683m



GRID NORTH

LINE	BEARING	DISTANCE
L1	N 72°15' E	1424.3'
L2	N 88°07' E	1686.6'
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	1388.1'
L7	S 14°41' W	1308.9'
L8	S 15°48' W	1051.0'
L9	S 19°07' W	1434.9'
L10	S 24°11' W	1332.7'
L11	S 20°13' W	1000.5'
L12	S 28°19' W	1517.4'
L13	S 32°47' W	1748.1'
L14	S 32°53' W	1605.3'
L15	S 35°35' W	1788.2'
L16	S 38°23' W	1644.9'
L17	S 42°09' W	1068.8'



- 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 HEREIN 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 - 06700  
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 # 14-082WA  
DRAWING # MARYJANE2HAD  
SCALE 1" = 1000'  
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  
DOUGLAS R. ROWE P.S. 2202  
DATE 11/07/17  
OPERATOR'S WELL # MARY JANE UNIT #2H

WELL TYPE: OIL \_\_\_ GAS X LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
(IF "GAS") PRODUCTION \_\_\_ STORAGE \_\_\_ DEEP \_\_\_ SHALLOW X  
LOCATION: ELEVATION 991.4' - AS DRILLED WATERSHED CABIN RUN  
QUADRANGLE OXFORD 7.5 (TOP HOLE) PENNSBORO 7.5 (BOTTOM HOLE) DISTRICT CENTRAL COUNTY DODDRIDGE  
SURFACE OWNER JAMES E. WEBB ACREAGE 84.89 ACRES +/-  
OIL & GAS ROYALTY OWNER CHARLEY WILSON ET UX; H.B. WILLIAMS ET UX; DONNA HELMICK ET AL;  
RITAL TAGANI; WM HUFFORD ET UX; GERALDINE WILLARD; ETTA ORDER ET VIR; E.M. SMITH ET UX; GAIL MASON; MARY JANE DAVIS  
LEASE ACREAGE 91 ACRES+; 307 ACRES+; 67.25 ACRES+; 13.5 ACRES+; 141 ACRES+; 131.5 ACRES+; 201 ACRES+; 108 ACRES+; 148.783 ACRES+; 47 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 6,410' TVD 18,063' 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

WELL NO. 2H  
CHARLEY WILSON ET UX LEASE  
JAMES E. WEBB D.R. 221 PG. 17 T.A. 12 PAR. 3 84.89 AC. ±  
STANLEY WEBB ET AL D.R. 192 PG. 342 T.A. 12 PAR. 2 93.18 AC. ±  
SHIRLEY J. WILLIAMS W.B. 41 PG. 168 T.A. 12 PAR. 35 1.21 AC. ±  
ROBERT C. WILLIAMS D.R. 199 PG. 20 T.A. 12 PAR. 26 58.33 AC. ±  
RANDY REESE ET AL W.B. 38 PG. 219 T.A. 12 PAR. 14 33.52 AC. ±  
DONNA HELMICK ET AL LEASE  
REPAIR FOUND  
N 24°20' W APPROX.  
N 56°24' W  
N 10°01' W  
500'  
H.B. WILLIAMS ET UX LEASE 11 ACRES D.R. 230 PG. 207 T.A. 12 PAR. 2 259.20 AC. ±  
RANDY REESE ET AL W.B. 38 PG. 219 T.A. 12 PAR. 25 30.3 AC. ±  
3111  
4452  
4452  
3184  
4270  
4284  
4283  
4269  
4281  
4229  
4413  
1337  
1333  
2463  
203  
215  
225  
2544  
2532  
257  
4412  
3111  
3110  
2401  
4302  
3420  
768  
1360  
2532  
4542  
2871  
4420  
4419

01/05/2018

COUNTY NAME PERMIT