

LATITUDE 39°27'30"

5,946'

3,550' TO BOTTOM HOLE
LATITUDE 39°25'00"

LONGITUDE 80°55'00"

13,420'

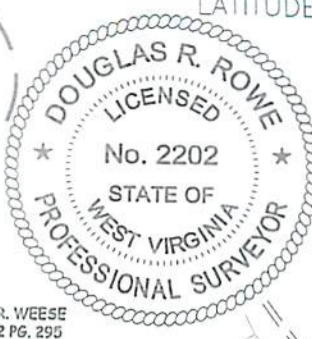
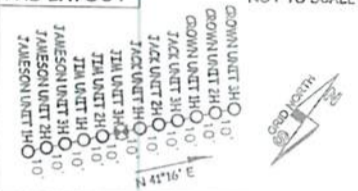
LONGITUDE 80°55'00"

Antero Resources Corporation
Well No. Jim Unit 3H
47-095-02410

NOTES:
WELL 3H TOP HOLE INFORMATION:
 N: 338,875ft E: 1,593,856ft
 LAT: 39°25'17.37" LON: 80°56'15.77"
BOTTOM HOLE INFORMATION:
 N: 328,103ft E: 1,596,092ft
 LAT: 39°23'31.26" LON: 80°55'45.10"
 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: 4,363,562m E: 505,376m
BOTTOM HOLE INFORMATION:
 N: 4,360,292m E: 506,112m

PAD LAYOUT

NOT TO SCALE



WV NORTH ZONE
GRID NORTH

STONE AT 3-WAY
FENCE INTERSECTION

RODNEY L. HAYES ET AL
D.B. 318 PG. 497
T.M. 08 PAR. 14
54.94 AC. ±

STEVEN P. CARSE LEASE

RODNEY L. HAYES ET AL
D.B. 318 PG. 497
T.M. 08 PAR. 14
54.94 AC. ±

RODNEY L. HAYES ET AL
D.B. 318 PG. 497
T.M. 08 PAR. 14
54.94 AC. ±

WELL NO. 3H

ROGER R. WEESE
D.B. 322 PG. 295
T.M. 08 PAR. 09
177.31 AC. ±

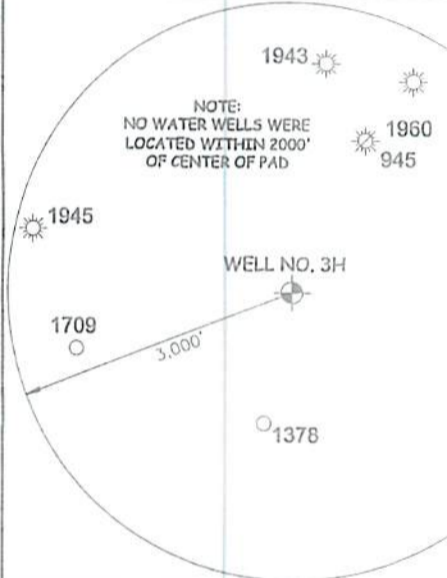
DOUGLAS R. WEESE LEASE

BARBARA RENNER
D.B. 159 PG. 476
T.M. 08 PAR. 09.2
2 AC. ±

CHRISTOPHER CARSE ET AL
D.B. 330 PG. 892
T.M. 08 PAR. 25
160.5 AC. ±

VIRGINIA KAY RIGGS ET AL
A.R. 41 PG. 161
T.M. 07 PAR. 06
108.14 AC. ±

- 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.



ROBERT CARSE ET AL
D.B. 342 PG. 816
T.M. 08 PAR. 16
75 AC. ±

CHARLES E. STULL ET UX LEASE

CHRISTOPHER CARSE ET AL
D.B. 330 PG. 892
T.M. 08 PAR. 17
10 AC. ±

CHARLES E. STULL ET AL
D.B. 210 PG. 281
T.M. 08 PAR. 18
105 AC. ±

ROY D. HADLEY LEASE

RONALD P. FLETCHER ET AL
D.B. 193 PG. 39
T.M. 07 PAR. 29
170.25 AC. ±

LEEMAN W. MASON ET AL
D.B. 271 PG. 494
T.M. 08 PAR. 19
37.69 AC. ±

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

JOHN G. SPERRY ET AL
D.B. 332 PG. 549
T.M. 11 PAR. 11
85.52 AC. ±

RONALD P. FLETCHER ET AL
D.B. 234 PG. 437
T.M. 10 PAR. 01
78 AC. ±

JOELYNN FAMILY TRUST LEASE
VICTOR E. ADLER ET AL
D.B. 206 PG. 510
T.M. 11 PAR. 01
48.45 AC. ±

GRACE SEWELL DeCARLO LEASE

JAMES McCULLOUGH ET UX LEASE

FRANK GRASS ET AL LEASE
STANLEY WALKER
D.B. 334 PG. 264
T.M. 11 PAR. 02
54.62 AC. ±

JOB # 14-128WA
DRAWING # JIM3HAD
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

DATE 06/04/19
OPERATOR'S WELL# JIM UNIT #3H

WELL TYPE: OIL GAS X LIQUID INJECTION WASTE DISPOSAL
(IF "GAS") PRODUCTION X STORAGE DEEP SHALLOW X
LOCATION: ELEVATION 1,005' - AS BUILT WATERSHED OUTLET MIDDLE ISLAND CREEK
QUADRANGLE MIDDLEBOURNE 7.5 DISTRICT MEADE COUNTY TYLER
SURFACE OWNER ROGER R. WEESE ACREAGE 177.31 ACRES +/-
OIL & GAS ROYALTY OWNER ROGER R. WEESE; JAMES A. SMITH; RONNIE LEE SMITH; CHARLES E. STULL ET UX; LEEMAN W. MASON ET UX; GRACE SEWELL DeCARLO; ROY D. HADLEY; JAMES McCULLOUGH ET UX; JOELYNN FAMILY TRUST; RONALD P. FLETCHER; RICHARD HALL BARNARD
OIL & GAS ROYALTY OWNER 198.709 AC±; 31.919 AC±; 97.544 AC±; 105 AC±; 37.69 AC±; 85.52 AC±; 170.25 AC±; 78 AC±; 52.5 AC±; 44.35 AC±; 284.33 AC±
PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL
FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
PLUG & ABANDON CLEAN OUT & REPLUG PERFORATE NEW FORMATION
OTHER PHYSICAL CHANGE IN WELL (SPECIFY) AS DRILLED
TARGET FORMATION MARCELLUS ESTIMATED DEPTH 6,372' TVD 17,674' MD

WELL OPERATOR ANTERO RESOURCES CORP. DESIGNATED AGENT CT CORPORATION SYSTEM
ADDRESS 1615 WYNKOOP STREET ADDRESS 5400 D BIG TYLER ROAD
FORM WW-6 DENVER, CO 80202 CHARLESTON, WV 25313

47 - 095 - 02410
STATE COUNTY PERMIT