

LATITUDE 39°20'00"

1,554'

4,301' TO BOTTOM HOLE

LATITUDE 39°20'00"

LONGITUDE 80°57'30"

12,248'

LONGITUDE 80°57'30"

Antero Resources Corporation
Well No. Bow Unit 1H
47-085-10146 (AS DRILLED)

DENNIS R. BLANKENSHIP
W.B. 40 PG. 468
T.M. 13 PAR. 8.1
106.832 AC. ±

ALTA J. LOCOCO ET AL
D.B. 182 PG. 726
T.M. 13 PAR. 9
100.90 AC. ±

EDDY D. WAGGONER ET AL
D.B. 246 PG. 409
T.M. 13 PAR. 19
107.39 AC. ±

PENNSBORO BOARD OF PARK
D.B. 128 PG. 314
T.M. 13 PAR. 17
128.79 AC. ±

ROGER D. WELLS ET AL
D.B. 190 PG. 197
T.M. 13 PAR. 18.1
106.466 AC. ±

LANDO GLENN ROBINSON JR.
LEASE

PENNSBORO BOARD OF PARK
D.B. 128 PG. 314
T.M. 13 PAR. 17.1
90.5 AC. ±

APPALACHIAN ROYALTIES
INC. LEASE

PENNSBORO BOARD OF PARK
D.B. 128 PG. 314
T.M. 13 PAR. 17.2
151 AC. ±

EDDY D. WAGGONER ET AL
D.B. 286 PG. 643
T.M. 13 PAR. 21
99.93 AC. ±

EDDY D. WAGGONER ET AL
D.B. 286 PG. 643
T.M. 13 PAR. 20
42 AC. ±

JUDY N. ALLEN
D.B. 177 PG. 304
T.M. 19 PAR. 7
22.43 AC. ±

LINDA C. DEWBERRY TRUST
D.B. 303 PG. 571
T.M. 19 PAR. 6.3
LOT

FRANKLIN W. SIMONS
D.B. 201 PG. 284
T.M. 19 PAR. 15
1 AC. ±

ROY E. TODD
D.B. 194 PG. 237
T.M. 19 PAR. 14
6.37 AC. ±

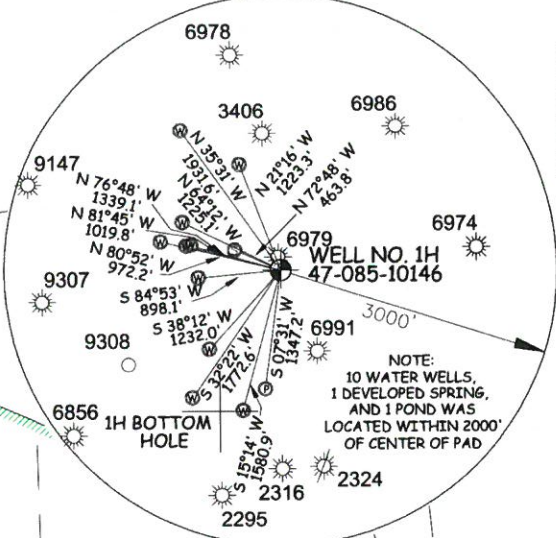
JERRY L. JETT
D.B. 301 PG. 400
T.M. 19 PAR. 18
LOT

JAMES E. VOGT
ET AL
D.B. 277 PG. 215
T.M. 19 PAR. 28
33.38 AC. ±

ROBERT W. DILANEY
D.B. 153 PG. 13
T.M. 19 PAR. 25
37.85 AC. ±

JIM HEPLIN ET AL
D.B. 4 PG. 322
T.M. 19 PAR. 37.2
3.3 AC. ±

JIM HEPLIN ET AL
D.B. 4 PG. 322
T.M. 19 PAR. 37.2
3.3 AC. ±



AS DRILLED DATA:
WELL 1H TOP HOLE INFORMATION:
N: 294,644ft E: 1,585,757ft
LAT: 39°17'58.94" LON: 80°57'49.77"
BOTTOM HOLE INFORMATION:
N: 301,834ft E: 1,583,127ft
LAT: 39°19'09.58" LON: 80°58'24.72"
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: 4,350,046m E: 503,134m
BOTTOM HOLE INFORMATION:
N: 4,352,223m E: 502,296m

JOB # 14-004WA
DRAWING # BOWUNIT1HAD
SCALE 1" = 1000'
MINIMUM DEGREE OF ACCURACY SUBMETER
PROVEN SOURCE OF ELEV. SUBMETER MAPPING GRADE GPS

- LEGEND
- Surface Owner Boundary Lines +/-
- Interior Surface Tracts +/-
- Existing Fence
- Found monument, as noted
- Proposed Well Path
- As Drilled Well Path

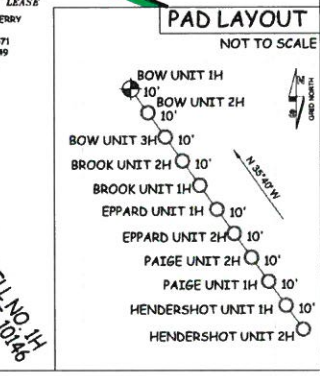
DATE 07/01/15
OPERATOR'S WELL# BOW UNIT #1H



STATE OF WEST VIRGINIA, DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
WILLOW LAND SURVEYING PLLC
220 MASONIC AVE. PENNSBORO WEST VIRGINIA 26415

STATE OF WEST VIRGINIA DEPARTMENT OF ENERGY DIVISION OF OIL AND GAS
API WELL # 47 - 085 - 10146
STATE COUNTY PERMIT
WELL TYPE: OIL GAS X LIQUID INJECTION WASTE DISPOSAL
(IF "GAS") PRODUCTION X STORAGE DEEP SHALLOW X
LOCATION: ELEVATION 1,124' - ORIGINAL 1,118' - AS DRILLED WATERSHED NORTH FORK HUGHES RIVER
QUADRANGLE PENNSBORO 7.5' DISTRICT CLAY COUNTY RITCHIE
SURFACE OWNER LINDA C. DEWBERRY TRUST ACREAGE 151 ACRES +/-
OIL & GAS ROYALTY OWNER J.M. WILSON ET UX; FLOYD W. COLLINS ET UX; JERRY F. DENNING ET UX;
LISA DAWN SWISHER; LANDO GLENN ROBINSON JR.

LEASE ACREAGE 700 AC±; 26 AC±; 25 AC±; 94 AC±; 130 AC±
PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE
PLUG OFF OLD FORMATION PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL
(SPECIFY) (X) AS DRILLED PLUG & ABANDON CLEAN OUT & REPLUG
TARGET FORMATION MARCELLUS ESTIMATED DEPTH 6,405' TVD 13,839' MD
WELL OPERATOR ANTERO RESOURCES CORP. DESIGNATED AGENT CT CORPORATION SYSTEM-DIANNA STAMPER
ADDRESS 1615 WYNKOOP STREET ADDRESS 5400 D BIG TYLER ROAD
DENVER, CO 80202 CHARLESTON, WV 25313



- 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.

COUNTY NAME PERMIT