

LATITUDE 39°20'00"

7,490'

8,484' TO BOTTOM HOLE

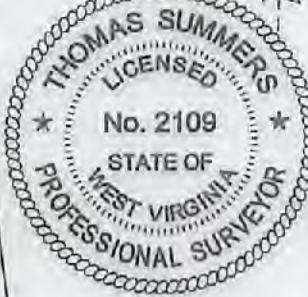
LATITUDE 39°20'00"

LONGITUDE 80°52'30"

13,888'

LONGITUDE 80°52'30"

Antero Resources Corporation
Well No. Buffalo Unit 1H
API 47-085-10249

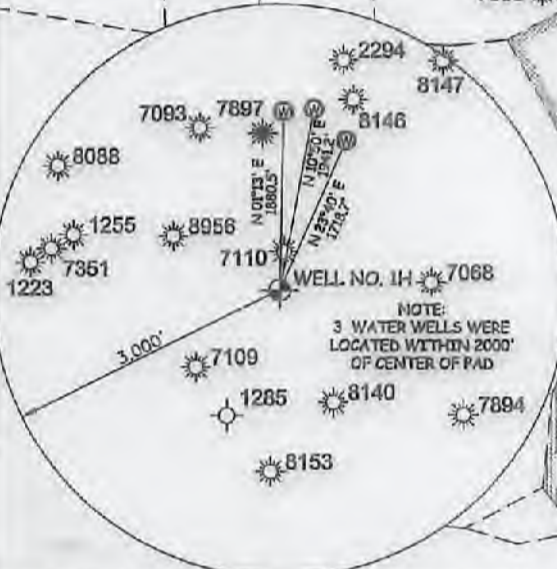
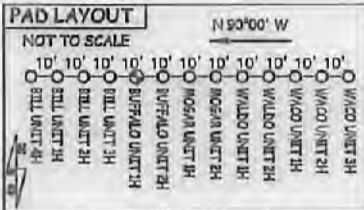


NOTE
NO OCCUPIED DWELLINGS OR BUILDINGS TWO THOUSAND FIVE HUNDRED (2,500) SQUARE FEET OR LARGER USED TO HOUSE OR SHELTER DAIRY CATTLE OR POULTRY HUSBANDRY ARE LOCATED WITHIN SIX HUNDRED TWENTY-FIVE (625) FEET OF THE CENTER OF THE WELL PAD.

NOTES:
WELL 1H TOP HOLE INFORMATION:
N: 292,723ft E: 1,603,377ft
LAT: 39°17'42.74" LON: 80°54'05.27"
BOTTOM HOLE INFORMATION:
N: 299,476ft E: 1,602,487ft
LAT: 39°18'49.34" LON: 80°54'17.94"
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: 4,349,550m E: 508,511m
BOTTOM HOLE INFORMATION:
N: 4,351,603m E: 508,206m

(NAD) 27 (UTM) ZONE 17 COORDS:
WELL 1H TOP HOLE INFORMATION:
N: 14,269,435ft E: 1,668,294ft
POINT OF ENTRY INFORMATION:
N: 14,269,963ft E: 1,669,537ft
BOTTOM HOLE INFORMATION:
N: 14,276,170ft E: 1,667,291ft



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 # 15-030WA
DRAWING # BUFFALO1HR2
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 +/-
- x - x - Existing Fence
⊕ Found monument, as noted
THOMAS SUMMERS P.S. 2109
DATE 02/12/18
OPERATOR'S WELL# BUFFALO UNIT 1H



WELL TYPE: OIL GAS X LIQUID INJECTION WASTE DISPOSAL 47 - 085 - 10249
(IF "GAS") PRODUCTION X STORAGE DEEP SHALLOW X STATE COUNTY PERMIT
LOCATION: ELEVATION 1,221' - AS DRILLED WATERSHED NORTH FORK HUGHES RIVER COUNTY NAME PERMIT
QUADRANGLE PENNSBORO 7.5 DISTRICT CLAY COUNTY RITCHIE
SURFACE OWNER DONALD L. COSTILOW ACREAGE 50.13 ACRES +/-
OIL & GAS ROYALTY OWNER BERTHA D. FERREBEE; DONALD L. COSTILOW ET UX; LEASE ACREAGE 87 AC +/-; 13.05 AC +/-
DAVID W. DOTSON, MICHAEL F. QUINN; DAVID W. DOTSON; KARL K. HICKMAN ET UX; L. A. GARNER ET AL; 21.42 AC +/-; 24.5 AC +/-; 10.85 AC +/-; 14.52 AC +/-; 99 AC +/-
EUGENE COSTILOW ET UX; F. M. FERREBEE ET AL; MAX D. JEWELL ET UX; MARY FERREBEE ET AL 54 AC +/-; 56 AC +/-; 36 AC +/-; 72 AC +/-
PROPOSED WORK: DRILL X CONVERT DRILL DEEPER X REDRILL FRACTURE OR STIMULATE X
PLUG OFF OLD FORMATION PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL
(SPECIFY) MOD-BHL PLUG & ABANDON CLEAN OUT & REPLUG
TARGET FORMATION MARCELLUS ESTIMATED DEPTH 7,000' TVD 15,500' 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