

LATITUDE 39°20'00"

7,500'

9,412' TO BOTTOM HOLE

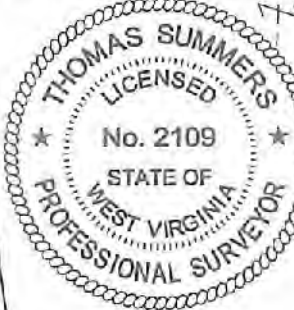
LATITUDE 39°20'00"

LONGITUDE 80°52'30"

13,888'

LONGITUDE 80°52'30"

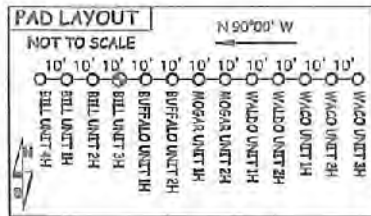
Antero Resources Corporation  
Well No. Bill Unit 3H  
API 47-085-10257



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 3H TOP HOLE INFORMATION:  
N: 292,723ft E: 1,603,367ft  
LAT: 39°17'42.73" LON: 80°54'05.40"  
BOTTOM HOLE INFORMATION:  
N: 299,059ft E: 1,601,552ft  
LAT: 39°18'45.07" LON: 80°54'29.75"  
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: 4,349,550m E: 508,508m  
BOTTOM HOLE INFORMATION:  
N: 4,351,471m E: 507,923m



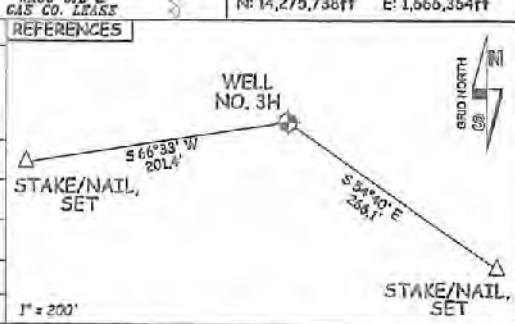
I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE RULES ISSUED AND PERSCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.



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 # BILL3HR2  
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# BILL UNIT #3H



WELL TYPE: OIL GAS X LIQUID INJECTION WASTE DISPOSAL 47 095 10257  
(IF "GAS") PRODUCTION X STORAGE DEEP SHALLOW X  
LOCATION: ELEVATION 1,221'-AS BUILT WATERSHED NORTH FORK HUGHES RIVER STATE COUNTY PERMIT  
QUADRANGLE PENNSBORO 7.6' DISTRICT CLAY COUNTY RITCHIE 06/15/2018  
SURFACE OWNER DONALD L. COSTILOW ACREAGE 50.13 ACRES +/- COUNTY NAME  
OIL & GAS ROYALTY OWNER BERTHA D. FERREBE; MICHAEL ISNER; RANDY L. BARNES; MICHAEL F. QUINN; NEW FREEDOM ENERGY, LLC. LEASE ACREAGE 67 AC.; 10.75 AC.; 10.05 AC.; 10.5 AC.; 7.76 AC.; 2.05 AC.;  
JOHN ROBINSON; WINGLASH, CARMAN; DOLPH HICKMAN ET UX; KARL K. HICKMAN ET UX; EUGENE COSTILOW ET UX; MAX D. JEWELL ET UX; E. HOWARD POOLE ET UX; CHARLES U. COSTILOW ET UX 10.65 AC.; 0.200 AC.; 31 AC.; 5.75 AC.; 54 AC.; 36 AC.; 28 AC.; 200 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  
TARGET FORMATION MARCELLUS PLUG & ABANDON CLEAN OUT & REPLUG  
WELL OPERATOR ANTERO RESOURCES CORP. ESTIMATED DEPTH 7,000' TVD 14,300' MD PERMIT  
ADDRESS 1615 WYNKOOP ST. ADDRESS DIANNA STAMPER - CT CORPORATION SYSTEM  
FORM WW-6 DENVER, CO 80202 CHARLESTON, WV 25313

RECEIVED  
Office of Oil and Gas  
FEB 20 2018  
WV Department of Environmental Protection