

LATITUDE 39°20'00"

6,094'

4,836'

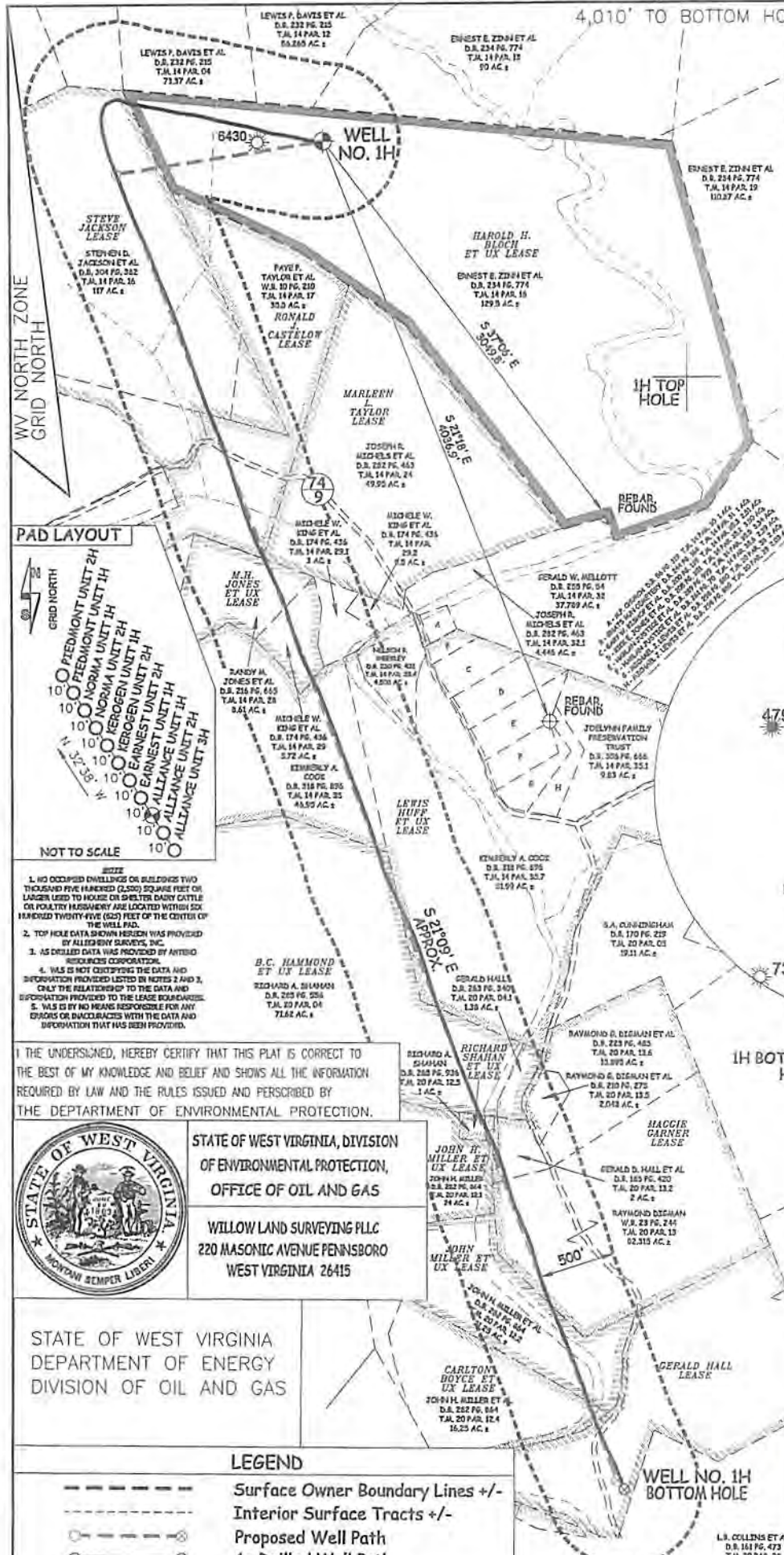
13,530' TO BOTTOM HOLE

LONGITUDE 80°55'00"

LONGITUDE 80°55'00"

Antero Resources Corporation
Well No. Alliance Unit 1H
47-085-10274 AS DRILLED

AS DRILLED DATA:
WELL 1H TOP HOLE INFORMATION:
N: 301,938ft E: 1,593,125ft
LAT: 39°19'12.20" LON: 80°56'17.54"
BOTTOM HOLE INFORMATION:
N: 293,211ft E: 1,595,071ft
LAT: 39°17'46.26" LON: 80°55'51.01"
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: 4,352,305m E: 505,341m
BOTTOM HOLE INFORMATION:
N: 4,349,657m E: 505,979m



- NOT TO SCALE
- 1. NO OCCUPIED DWELLINGS OR BUILDINGS TWO THOUSAND FIVE HUNDRED (2,500) SQUARE FEET OR LARGER USED TO HOUSE OR QUARTER 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. WAS 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. WAS IS BY NO MEANS RESPONSIBLE FOR ANY ERRORS OR DISCREPANCIES WITH THE DATA AND INFORMATION THAT HAS BEEN PROVIDED.

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.



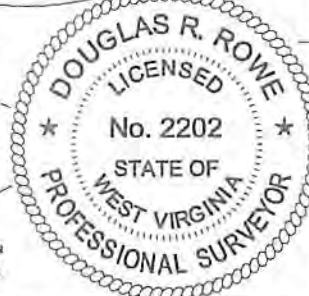
STATE OF WEST VIRGINIA, DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
WILLOW LAND SURVEYING PLLC
220 MASONIC AVENUE PENNSBORO WEST VIRGINIA 26415

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

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
(IF "GAS") PRODUCTION STORAGE DEEP SHALLOW
LOCATION: ELEVATION AS DRILLED - 1,120' WATERSHED NORTH FORK HUGHES RIVER STATE COUNTY PERMIT
QUADRANGLE PENNSBORO 7.5' DISTRICT CLAY COUNTY RITCHIE
SURFACE OWNER ERNEST E. ZINN ET AL ACREAGE 129.5 ACRES +/-
OIL & GAS ROYALTY OWNER HAROLD H. BLOCH ET UX; STEVE JACKSON; RONALD J. CASTELOW; MARLEEN J. TAYLOR; LEASE ACREAGE 131.5 AC±; 117 AC±; 35.5 AC±; 59 AC±;
M.H. JONES ET UX; LEWIS HUFF ET UX; B.C. HAMMOND ET UX; RICHARD SHAHAN ET UX; JOHN H. MILLER ET UX; MAGGIE GARNER; JOHN MILLER ET UX; CARLTON BOYCE ET UX; GEROLD HALL 200 AC±; 164 AC±; 73 AC±; 1 AC±; 24 AC±; 72.5 AC±; 21.25 AC±; 207 AC±; 415 AC±
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 ESTIMATED DEPTH 6,428' TVD 16,012' MD
TARGET FORMATION MARCELLUS
WELL OPERATOR ANTERO RESOURCES CORP. DESIGNATED AGENT DIANNA STAMPER
ADDRESS 1615 WYNKOOP STREET ADDRESS 5400 D BIG TYLER ROAD
FORM WW-6 DENVER, CO 80202 CHARLESTON, WV 25313



JOB # 15-038WA
DRAWING # ALLIANCE1HAD
SCALE 1" = 1000'
MINIMUM DEGREE OF ACCURACY SUBMETER
PROVEN SOURCE OF ELEV. SUBMETER MAPPING GRADE GPS

DOUGLAS R. ROWE P.S. 2202

DATE 09/29/17

OPERATOR'S WELL# ALLIANCE UNIT #1H

API WELL # 47 - 085 - 10274

02/16/2018