

LATITUDE 39°20'00" ← 1,293'

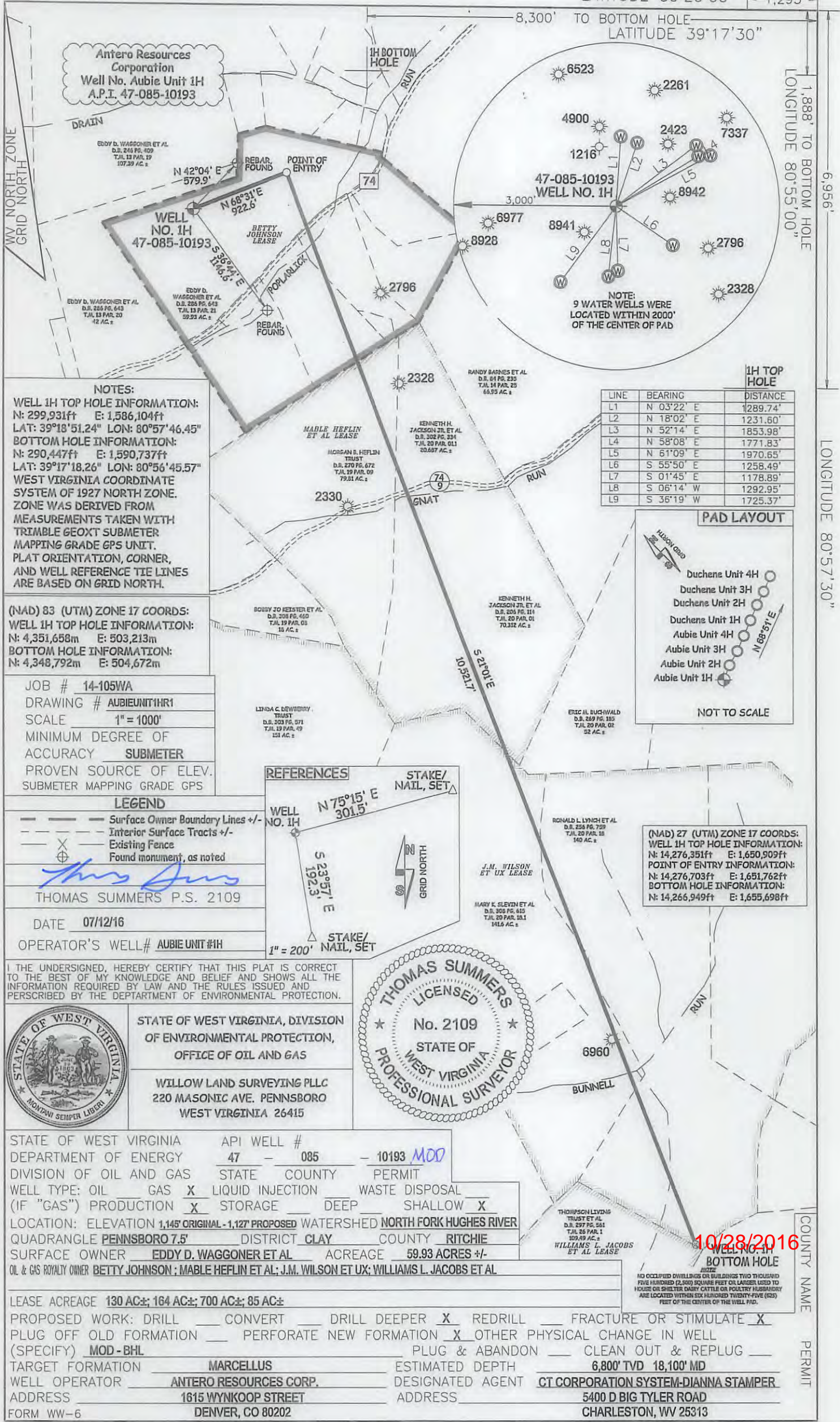
8,300' TO BOTTOM HOLE  
LATITUDE 39°17'30"

LONGITUDE 80°55'00"

6,956'

LONGITUDE 80°57'30"

Antero Resources Corporation  
Well No. Aubie Unit 1H  
A.P.I. 47-085-10193

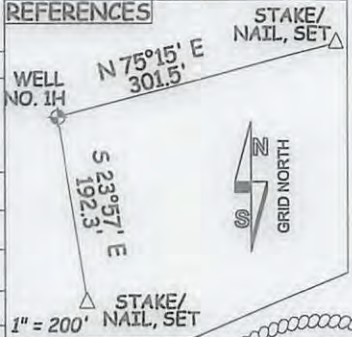


NOTES:  
WELL 1H TOP HOLE INFORMATION:  
N: 299,931ft E: 1,586,104ft  
LAT: 39°18'51.24" LON: 80°57'46.45"  
BOTTOM HOLE INFORMATION:  
N: 290,447ft E: 1,590,737ft  
LAT: 39°17'18.26" LON: 80°56'45.57"  
WEST VIRGINIA COORDINATE SYSTEM OF 1927 NORTH ZONE. ZONE WAS DERIVED FROM MEASUREMENTS TAKEN WITH TRIMBLE GEOXT SUBMETER MAPPING GRADE GPS UNIT. PLAT ORIENTATION, CORNER, AND WELL REFERENCE TIE LINES ARE BASED ON GRID NORTH.

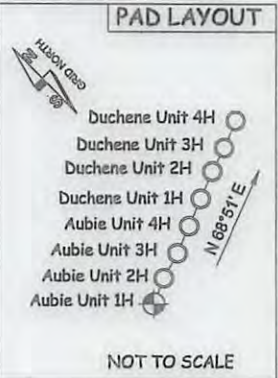
(NAD) 83 (UTM) ZONE 17 COORDS:  
WELL 1H TOP HOLE INFORMATION:  
N: 4,351,658m E: 503,213m  
BOTTOM HOLE INFORMATION:  
N: 4,348,792m E: 504,672m

JOB # 14-105WA  
DRAWING # AUBIEUNIT1HR1  
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  
*Thomas Summers*  
THOMAS SUMMERS P.S. 2109  
DATE 07/12/16  
OPERATOR'S WELL# AUBIE UNIT #1H



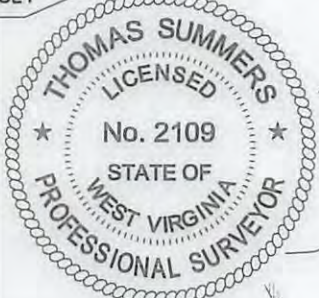
| LINE | BEARING    | DISTANCE |
|------|------------|----------|
| L1   | N 03°22' E | 1289.74' |
| L2   | N 18°02' E | 1231.60' |
| L3   | N 52°14' E | 1853.98' |
| L4   | N 58°08' E | 1771.83' |
| L5   | N 61°09' E | 1970.65' |
| L6   | S 55°50' E | 1258.49' |
| L7   | S 01°45' E | 1178.89' |
| L8   | S 06°14' W | 1292.95' |
| L9   | S 36°19' W | 1725.37' |



(NAD) 27 (UTM) ZONE 17 COORDS:  
WELL 1H TOP HOLE INFORMATION:  
N: 14,276,351ft E: 1,650,909ft  
POINT OF ENTRY INFORMATION:  
N: 14,276,703ft E: 1,651,762ft  
BOTTOM HOLE INFORMATION:  
N: 14,266,949ft E: 1,655,698ft

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



STATE OF WEST VIRGINIA DEPARTMENT OF ENERGY DIVISION OF OIL AND GAS  
API WELL # 47 - 085 - 10193 MOD  
STATE COUNTY PERMIT  
WELL TYPE: OIL GAS  LIQUID INJECTION WASTE DISPOSAL  
(IF "GAS") PRODUCTION  STORAGE DEEP SHALLOW   
LOCATION: ELEVATION 1,145' ORIGINAL - 1,127' PROPOSED WATERSHED NORTH FORK HUGHES RIVER  
QUADRANGLE PENNSBORO 7.5' DISTRICT CLAY COUNTY RITCHIE  
SURFACE OWNER EDDY D. WAGGONER ET AL ACREAGE 59.93 ACRES +/-  
OIL & GAS ROYALTY OWNER BETTY JOHNSON; MABLE HEFLIN ET AL; J.M. WILSON ET UX; WILLIAMS L. JACOBS ET AL

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.

LEASE ACREAGE 130 AC±; 164 AC±; 700 AC±; 85 AC±  
PROPOSED WORK: DRILL  CONVERT  DRILL DEEPER  REDRILL  FRACTURE OR STIMULATE   
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 6,800' TVD 18,100' MD  
ADDRESS 1615 WYNKOOP STREET DESIGNATED AGENT CT CORPORATION SYSTEM-DIANNA STAMPER  
ADDRESS 5400 D BIG TYLER ROAD  
FORM WW-6 DENVER, CO 80202 ADDRESS CHARLESTON, WV 25313

10/28/2016

COUNTY NAME

PERMIT