

LATITUDE 39°22'30"

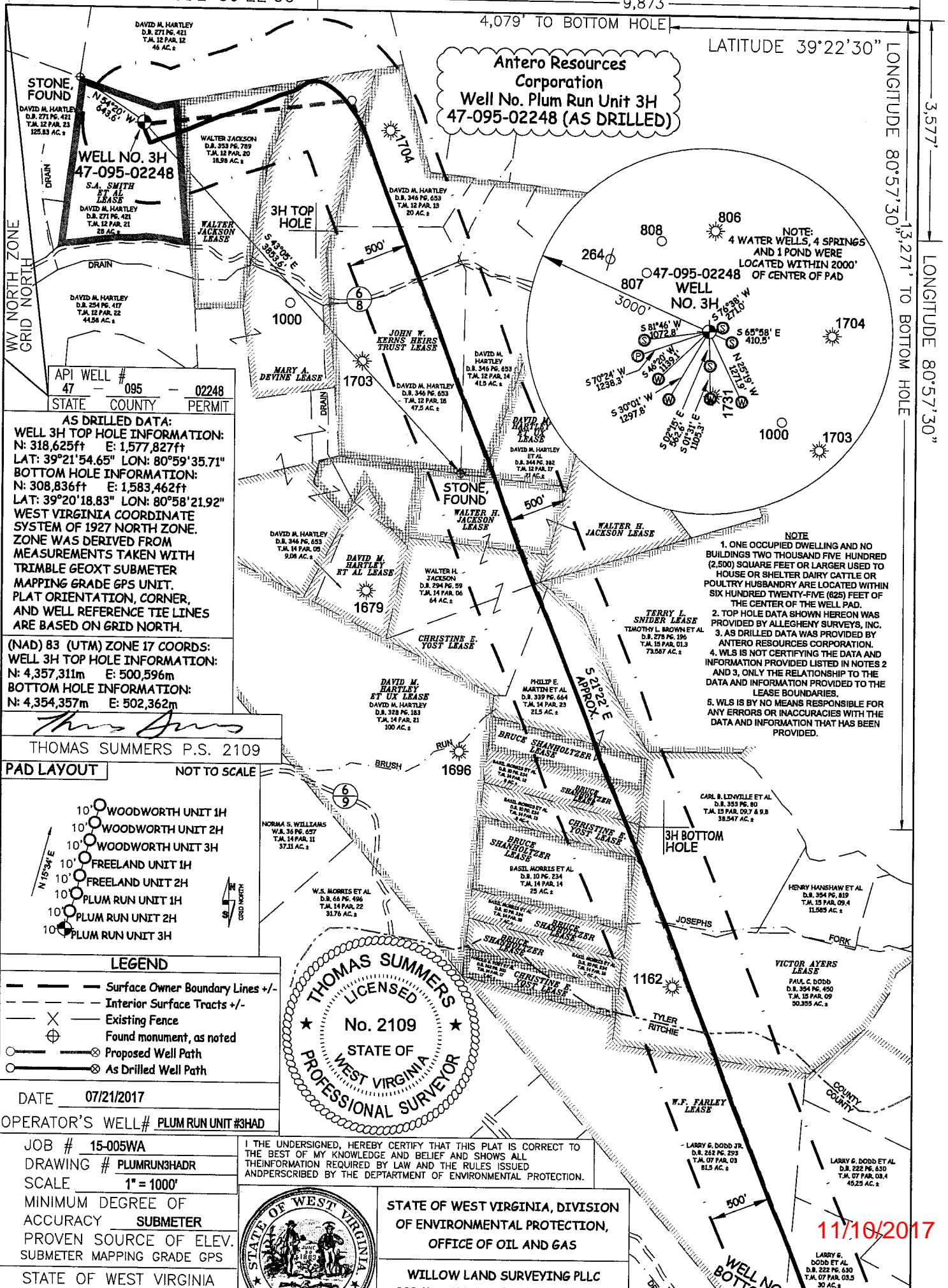
9,873'

4,079' TO BOTTOM HOLE

LATITUDE 39°22'30"

LONGITUDE 80°57'30"

3,577' LONGITUDE 80°57'30"



Antero Resources Corporation
Well No. Plum Run Unit 3H
47-095-02248 (AS DRILLED)

STONE FOUND
 DAVID M. HARTLEY
 D.B. 271 PG. 421
 T.M. 12 PAR. 22
 46 AC. ±

WELL NO. 3H
47-095-02248

S.A. SMITH
 ET AL
 LEASE

DAVID M. HARTLEY
 D.B. 271 PG. 421
 T.M. 12 PAR. 21
 28 AC. ±

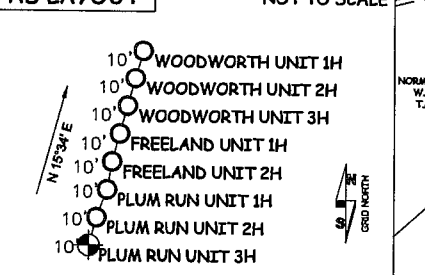
WALTER JACKSON
 D.B. 353 PG. 789
 T.M. 12 PAR. 20
 18.98 AC. ±

API WELL # 47 - 095 - 02248
 STATE COUNTY PERMIT

AS DRILLED DATA:
WELL 3H TOP HOLE INFORMATION:
 N: 318,625ft E: 1,577,827ft
 LAT: 39°21'54.65" LON: 80°59'35.71"
BOTTOM HOLE INFORMATION:
 N: 308,836ft E: 1,583,462ft
 LAT: 39°20'18.83" LON: 80°58'21.92"
 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: 4,357,311m E: 500,596m
BOTTOM HOLE INFORMATION:
 N: 4,354,357m E: 502,362m

Thomas Summers
 THOMAS SUMMERS P.S. 2109



LEGEND

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

DATE 07/21/2017
 OPERATOR'S WELL# PLUM RUN UNIT #3HAD

JOB # 15-005WA
 DRAWING # PLUMRUN3HAD
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY SUBMETER
 PROVEN SOURCE OF ELEV. SUBMETER MAPPING GRADE GPS
 STATE OF WEST VIRGINIA

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

NOTE

- ONE OCCUPIED DWELLING AND NO 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.
- TOP HOLE DATA SHOWN HEREON WAS PROVIDED BY ALLEGHENY SURVEYS, INC.
- AS DRILLED DATA WAS PROVIDED BY ANTERO RESOURCES CORPORATION.
- 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.
- WLS IS BY NO MEANS RESPONSIBLE FOR ANY ERRORS OR INACCURACIES WITH THE DATA AND INFORMATION THAT HAS BEEN PROVIDED.

11/10/2017