

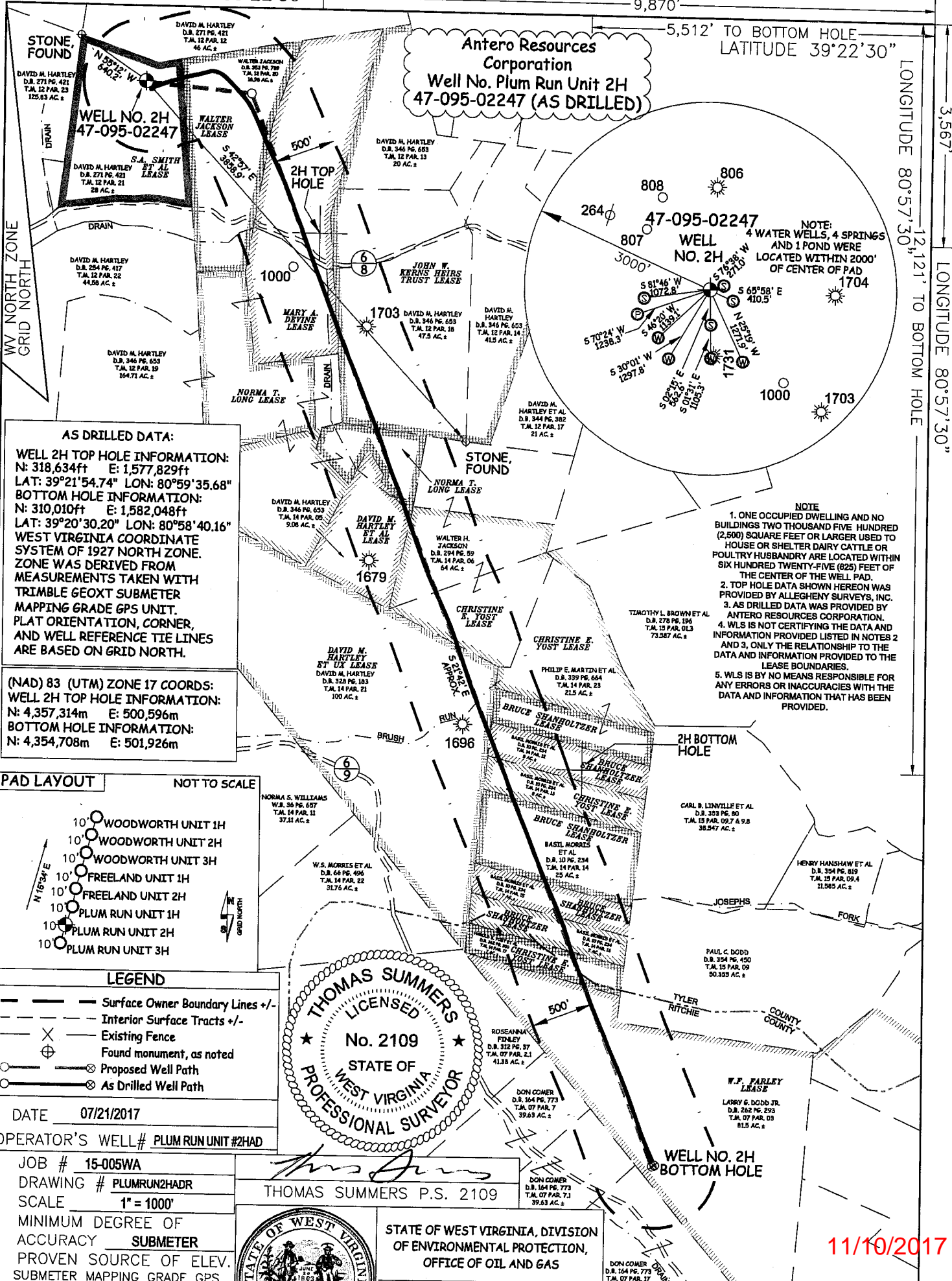
LATITUDE 39°22'30"

9,870'

5,512' TO BOTTOM HOLE
LATITUDE 39°22'30"

LONGITUDE 80°57'30"
12,121' TO BOTTOM HOLE
LONGITUDE 80°57'30"

Antero Resources Corporation
Well No. Plum Run Unit 2H
47-095-02247 (AS DRILLED)



AS DRILLED DATA:

WELL 2H TOP HOLE INFORMATION:
N: 318,634ft E: 1,577,829ft
LAT: 39°21'54.74" LON: 80°59'35.68"

BOTTOM HOLE INFORMATION:
N: 310,010ft E: 1,582,048ft
LAT: 39°20'30.20" LON: 80°58'40.16"

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.

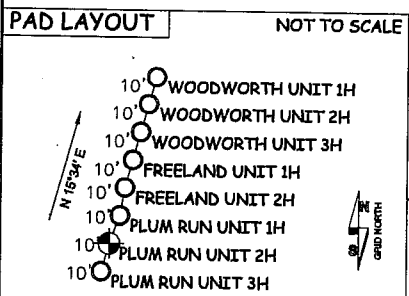
(NAD) 83 (UTM) ZONE 17 COORDS:

WELL 2H TOP HOLE INFORMATION:
N: 4,357,314m E: 500,596m

BOTTOM HOLE INFORMATION:
N: 4,354,708m E: 501,926m

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.



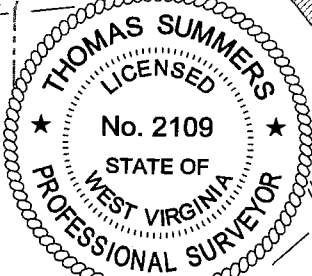
LEGEND

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

DATE 07/21/2017
OPERATOR'S WELL# PLUM RUN UNIT #2HAD

JOB # 15-005WA
DRAWING # PLUMRUN2HAD
SCALE 1" = 1000'

MINIMUM DEGREE OF ACCURACY SUBMETER
PROVEN SOURCE OF ELEV. SUBMETER MAPPING GRADE GPS
STATE OF WEST VIRGINIA



THOMAS SUMMERS P.S. 2109



STATE OF WEST VIRGINIA, DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS

WILLOW LAND SURVEYING PLLC

11/10/2017

THE UNDERSIGNED, HERFRY CERTIFY THAT THIS PLAT