

LATITUDE 39°20'00"

5,588'

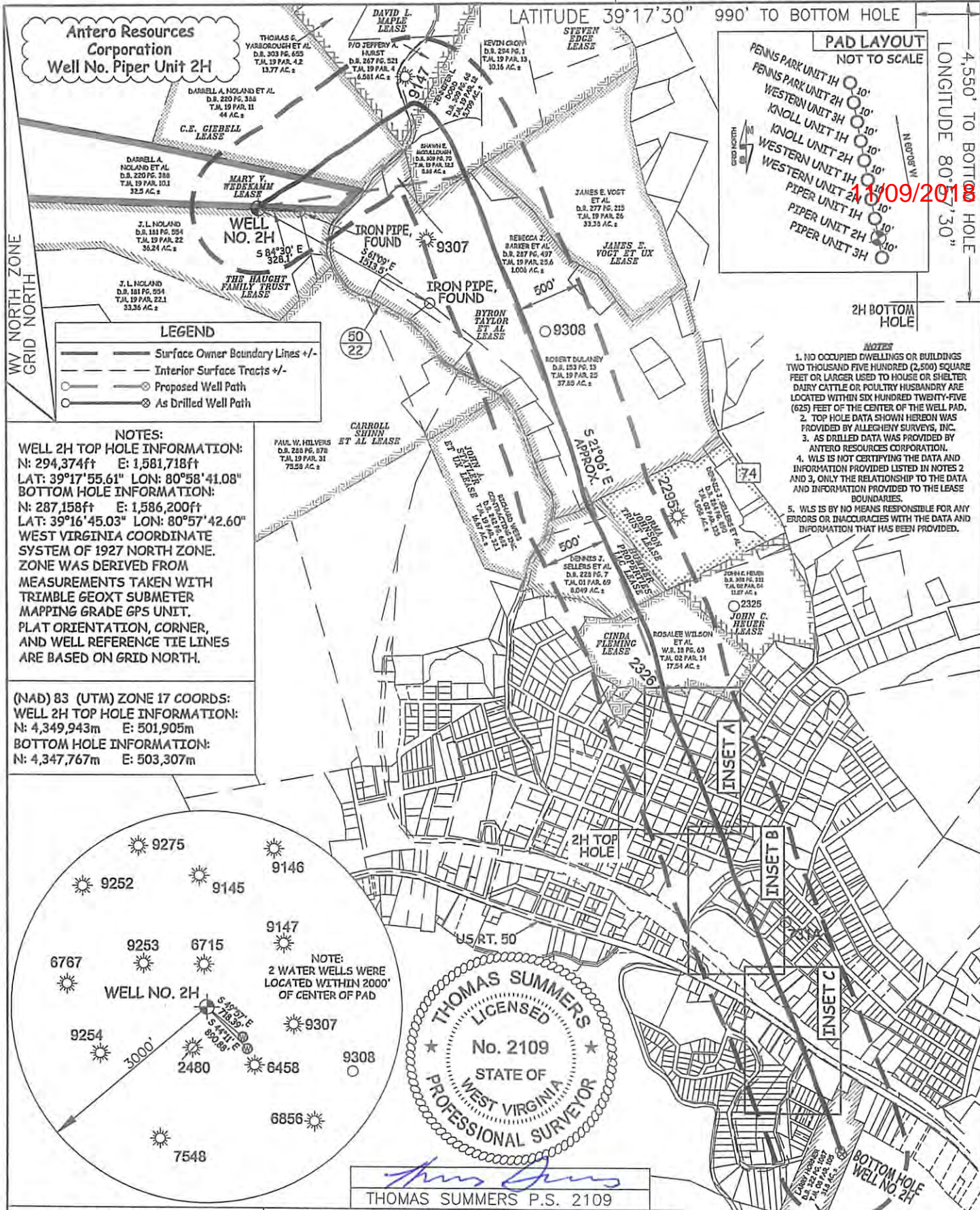
LATITUDE 39°17'30"

990' TO BOTTOM HOLE

LONGITUDE 80°57'30"

12,585'

LONGITUDE 80°57'30"

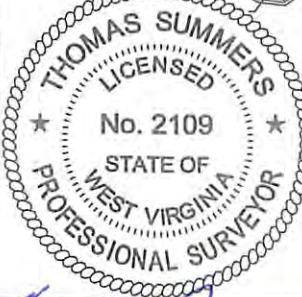


LEGEND


- Surface Owner Boundary Lines +/-
- Interior Surface Tracts +/-
- Proposed Well Path
- As Drilled Well Path

NOTES:
WELL 2H TOP HOLE INFORMATION:
 N: 294,374ft E: 1,581,718ft
 LAT: 39°17'55.61" LON: 80°58'41.08"
BOTTOM HOLE INFORMATION:
 N: 287,158ft E: 1,586,200ft
 LAT: 39°16'45.03" LON: 80°57'42.60"
 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: 4,349,943m E: 501,905m
BOTTOM HOLE INFORMATION:
 N: 4,347,767m E: 503,307m



THOMAS SUMMERS P.S. 2109

JOB # 16-005WA	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 266 HUSHERS RUN RD PENNSBORO WEST VIRGINIA 26415	DATE 02/01/18
DRAWING # PIPER2HAD			OPERATOR'S WELL# PIPER UNIT 2H
SCALE 1" = 1000'			API WELL # 47 - 085 - 10292
MINIMUM DEGREE OF ACCURACY SUBMETER	PROVEN SOURCE OF ELEV. SUBMETER MAPPING GRADE GPS	STATE COUNTY PERMIT	STATE COUNTY PERMIT
STATE OF WEST VIRGINIA DEPARTMENT OF ENERGY DIVISION OF OIL AND GAS		WATERSHED NORTH FORK HUGHES RIVER	COUNTY RITCHIE
WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___		DISTRICT CLAY	COUNTY RITCHIE
(IF "GAS") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X		ACREAGE 32.5 ACRES +/-	LEASE ACREAGE SEE ATTACHED PAGES
LOCATION: ELEVATION 1,143' AS DRILLED		ESTIMATED DEPTH 6,425' TVD 15,093 MD	
QUADRANGLE PENNSBORO 7.5'			
SURFACE OWNER DARRELL A. NOLAND ET AL			
OIL & GAS ROYALTY OWNER SEE ATTACHED PAGES FOR LEASE INFORMATION			
PROPOSED WORK: DRILL ___ CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE ___		DIANNA STAMPER	DESIGNATED AGENT
PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) AS DRILLED		CT CORPORATION SYSTEM	ADDRESS
TARGET FORMATION MARCELLUS		5400 D BIG TYLER ROAD	CHARLESTON, WV 25313
WELL OPERATOR ANTERO RESOURCES CORP.			
ADDRESS 1615 WYNKOOP STREET			
DENVER, CO 80202			