

LATITUDE 39°20'00"

5,579'

LATITUDE 39°17'30"

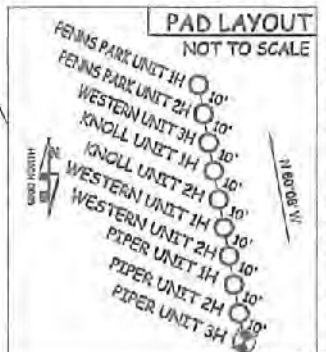
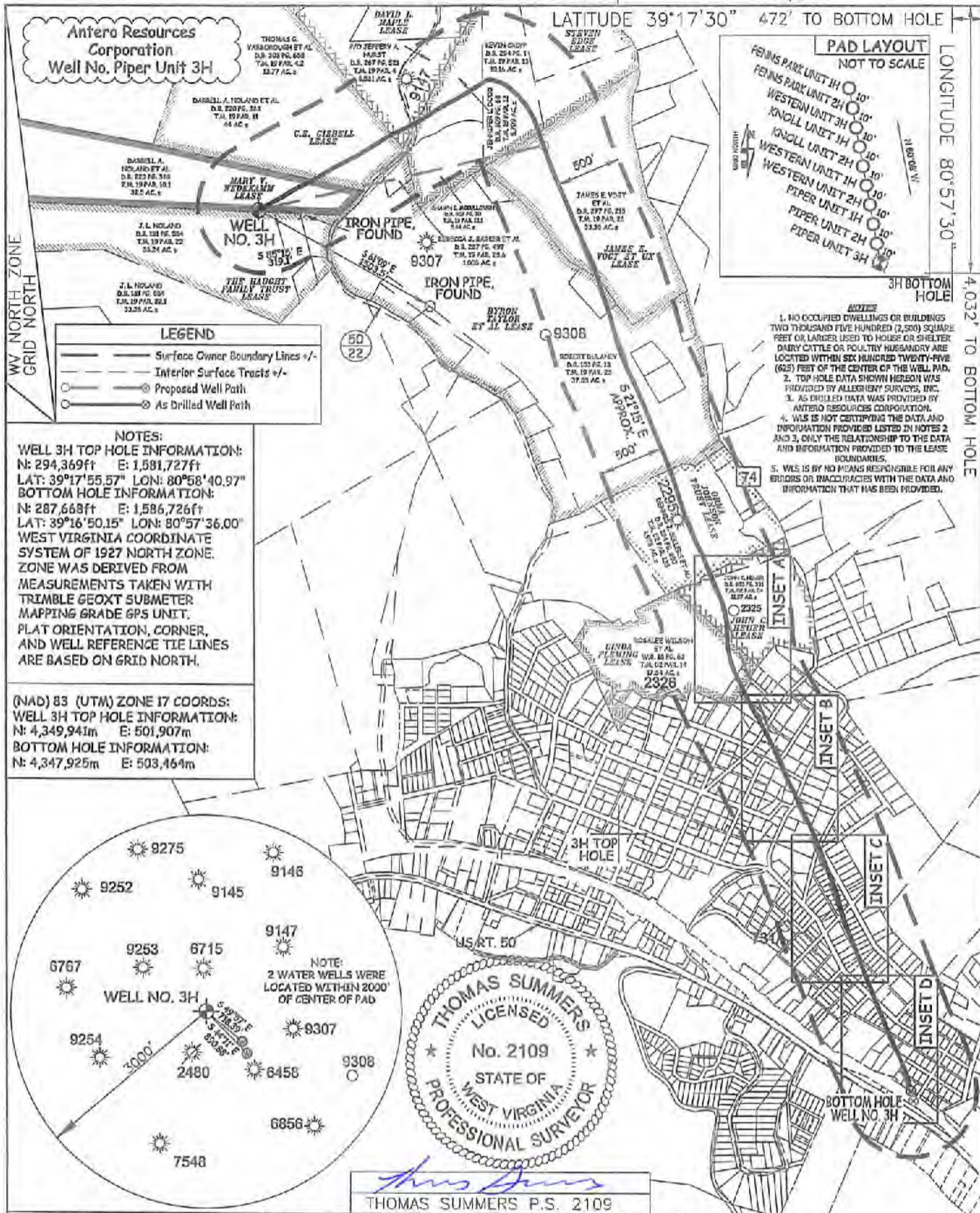
472' TO BOTTOM HOLE

LONGITUDE 80°57'30"

4,032' TO BOTTOM HOLE

12,590'

LONGITUDE 80°57'30"



**LEGEND**

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

**NOTES:**  
**WELL 3H TOP HOLE INFORMATION:**  
 N: 294,369ft E: 1,581,727ft  
 LAT: 39°17'55.57" LON: 80°58'40.97"  
**BOTTOM HOLE INFORMATION:**  
 N: 287,668ft E: 1,586,726ft  
 LAT: 39°16'50.15" LON: 80°57'36.00"  
 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: 4,349,941m E: 501,907m  
**BOTTOM HOLE INFORMATION:**  
 N: 4,347,925m E: 503,464m



*Thomas Summers*  
 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.
DRAWING # PIPER3HAD	STATE OF WEST VIRGINIA, DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
SCALE 1" = 1000'	
MINIMUM DEGREE OF ACCURACY SUBMETER	WILLOW LAND SURVEYING PLLC 266 HUSHERS RUN RD PENNSBORO WEST VIRGINIA 26415
PROVEN SOURCE OF ELEV. SUBMETER MAPPING GRADE GPS	
STATE OF WEST VIRGINIA DEPARTMENT OF ENERGY DIVISION OF OIL AND GAS	DATE 02/01/18
WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___	OPERATOR'S WELL# PIPER UNIT 3H
(IF "GAS") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X	API WELL # 47 - 085 - 10296
LOCATION: ELEVATION 1,143' AS DRILLED	STATE COUNTY PERMIT
QUADRANGLE PENNSBORO 7.5'	WATERSHED NORTH FORK HUGHES RIVER
SURFACE OWNER DARRELL A. NOLAND ET AL	DISTRICT CLAY COUNTY RITCHIE
OIL & GAS ROYALTY OWNER SEE ATTACHED PAGES FOR LEASE INFORMATION	ACREAGE 32.5 ACRES +/-
PROPOSED WORK: DRILL ___ CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE ___	ESTIMATED DEPTH 6,429' TVD 14,961 MD
PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) AS DRILLED	PLUG & ABANDON CLEAN OUT & REPLUG
TARGET FORMATION MARCELLUS	WELL OPERATOR ANTERO RESOURCES CORP.
DESIGNATED AGENT DIANNA STAMPER	ADDRESS 1615 WYNKOOP STREET
ADDRESS 5400 D BIG TYLER ROAD	ADDRESS DENVER, CO 80202
PERMIT CT CORPORATION SYSTEM	ADDRESS CHARLESTON, WV 25313

06/01/2018

COUNTY NAME PERMIT