

LATITUDE 39°20'00"

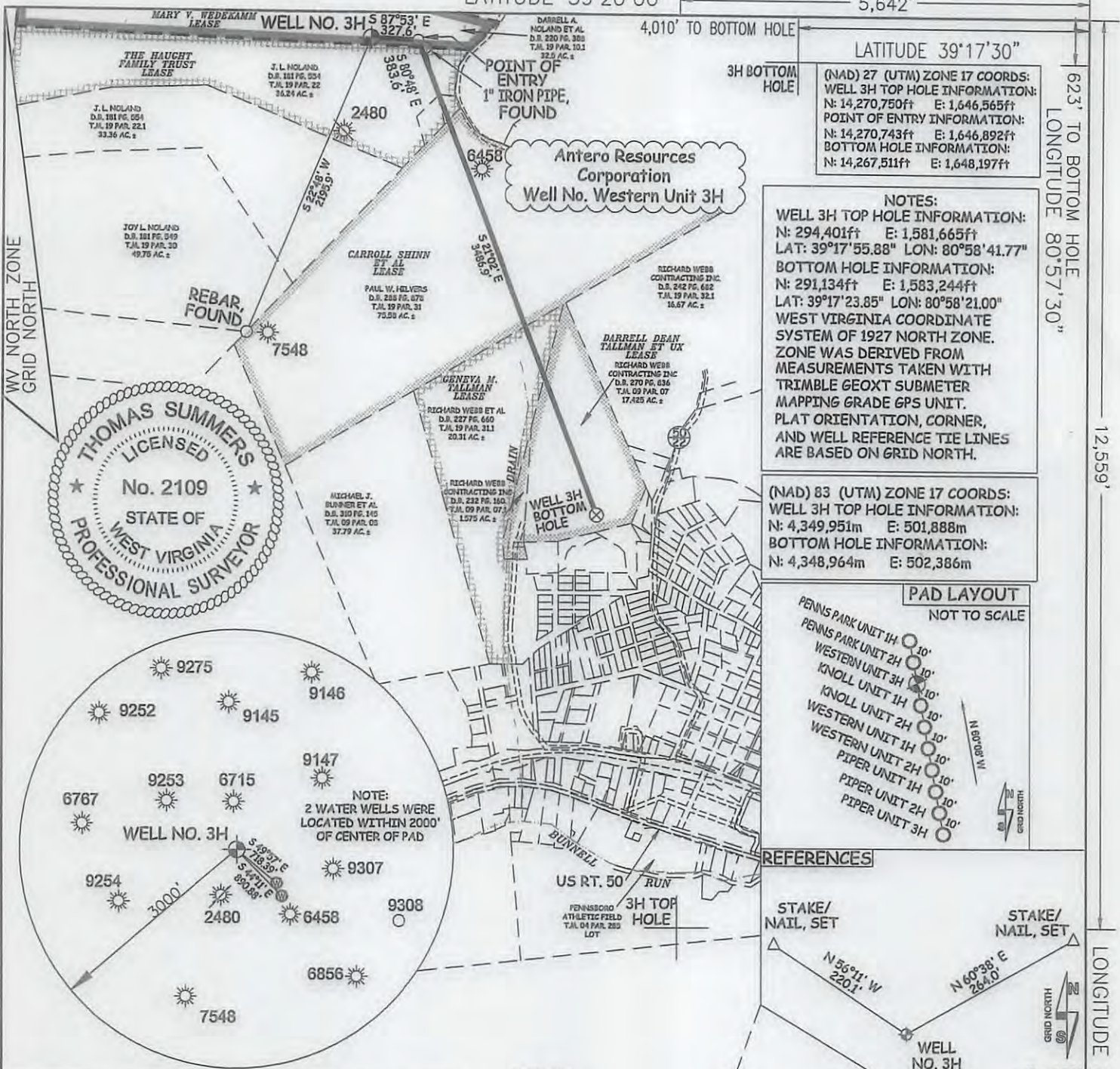
5,642'

LATITUDE 39°17'30"

LONGITUDE 80°57'30"

12,559'

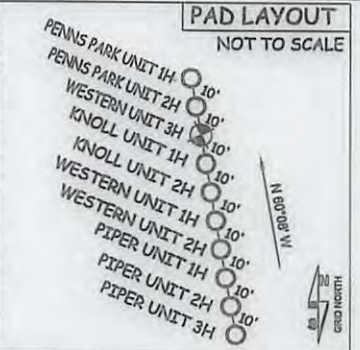
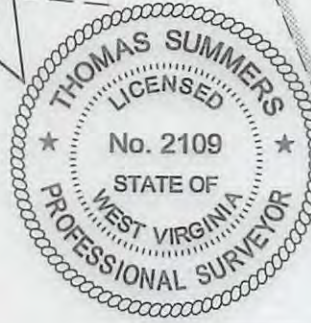
LONGITUDE 80°57'30"



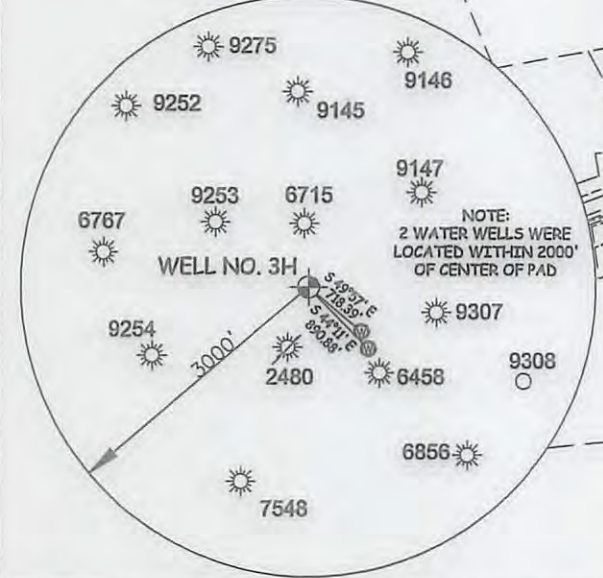
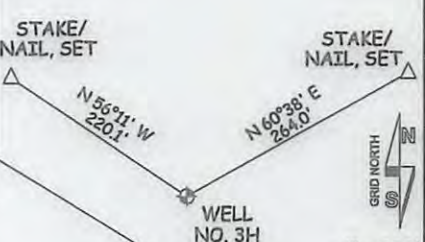
(NAD) 27 (UTM) ZONE 17 COORDS:
 WELL 3H TOP HOLE INFORMATION:
 N: 14,270,750ft E: 1,646,565ft
 POINT OF ENTRY INFORMATION:
 N: 14,270,743ft E: 1,646,892ft
 BOTTOM HOLE INFORMATION:
 N: 14,267,511ft E: 1,648,197ft

NOTES:
 WELL 3H TOP HOLE INFORMATION:
 N: 294,401ft E: 1,581,665ft
 LAT: 39°17'55.88" LON: 80°58'41.77"
 BOTTOM HOLE INFORMATION:
 N: 291,134ft E: 1,583,244ft
 LAT: 39°17'23.85" LON: 80°58'21.00"
 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: 4,349,951m E: 501,888m
 BOTTOM HOLE INFORMATION:
 N: 4,348,964m E: 502,386m



REFERENCES



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

47 - 085 - 10215 H6A
 STATE COUNTY PERMIT

NOTE: 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.

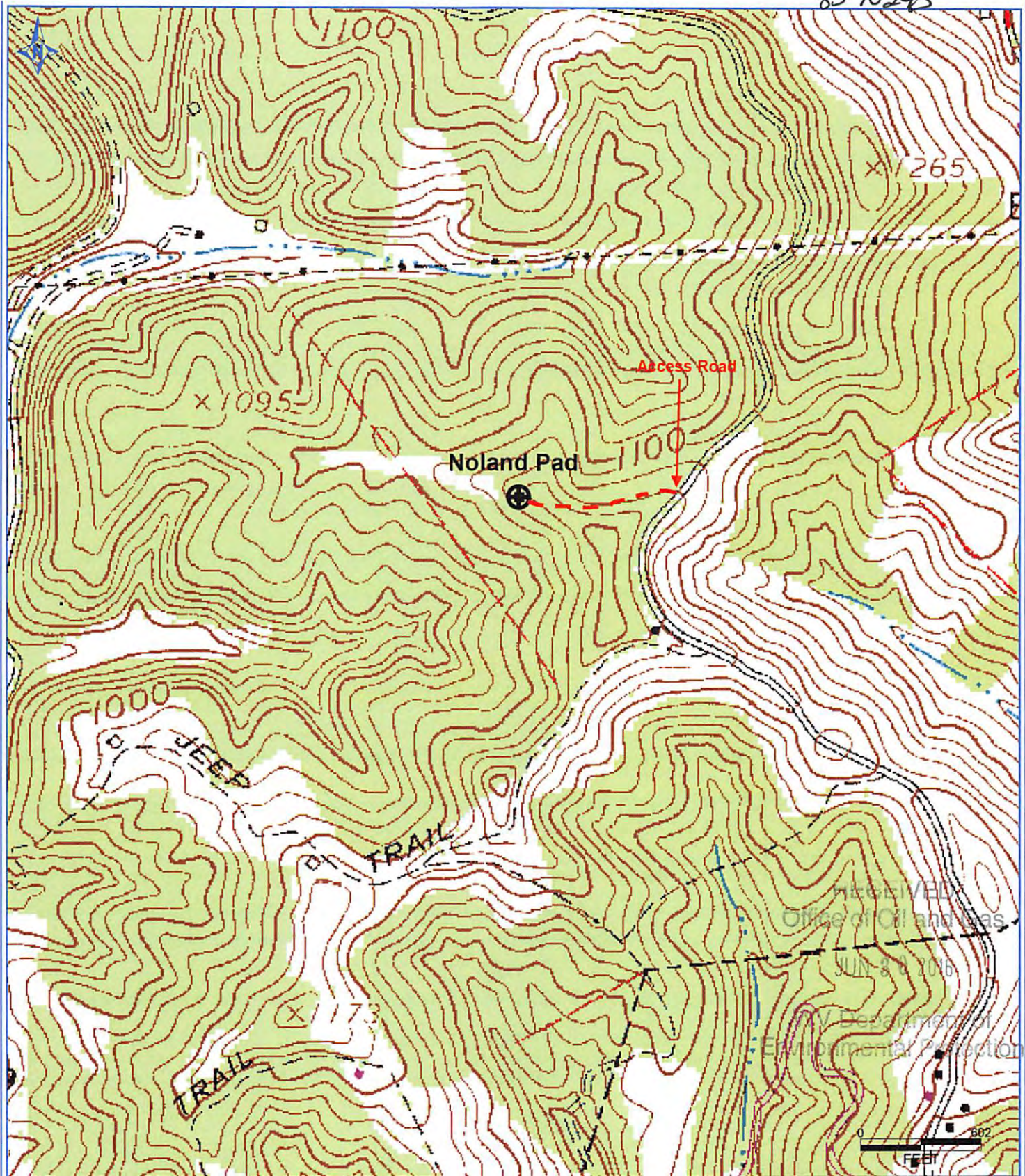
JOB # 16-022WA
 DRAWING # WESTERN3Hshorty
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY SUBMETER
 PROVEN SOURCE OF ELEV. SUBMETER MAPPING GRADE GPS
 STATE OF WEST VIRGINIA DEPARTMENT OF ENERGY DIVISION OF OIL AND GAS

LEGEND
 --- Surface Owner Boundary Lines +/-
 - - - Interior Surface Tracts +/-
 X Existing Fence
 ⊕ Found monument, as noted
 THOMAS SUMMERS P.S. 2109
 DATE 06/28/16
 OPERATOR'S WELL# WESTERN UNIT #3H

WELL TYPE: OIL ___ GAS LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS") PRODUCTION STORAGE ___ DEEP ___ SHALLOW
 LOCATION: ELEVATION 1,159' ORIGINAL - 1,143' AS DRILLED WATERSHED NORTH FORK HUGHES RIVER
 QUADRANGLE PENNSBORO 7.5' DISTRICT CLAY COUNTY RITCHIE
 SURFACE OWNER DARRELL A. NOLAND ET AL ACREAGE 32.5 ACRES +/-
 OIL & GAS ROYALTY OWNER MARY V. WEDEKAMM; THE HAUGHT FAMILY TRUST LEASE ACREAGE 32.5 AC.±; 32 AC.±;
 CARROLL SHINN ET AL; GENEVA M. TALLMAN; DARRELL DEAN TALLMAN ET UX 76 AC.±; 20.3 AC.±; 18.87 AC.±
 PROPOSED WORK: DRILL CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE
 PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) ___
 TARGET FORMATION MARCELLUS PLUG & ABANDON CLEAN OUT & REPLUG
 WELL OPERATOR ANTERO RESOURCES CORP. ESTIMATED DEPTH 6,400' TVD 10,300' MD
 ADDRESS 1615 WYNKOOP ST. ADDRESS 5400 D BIG TYLER ROAD
 DENVER, CO 80202 CHARLESTON, WV 25313

09/02/2016

85-10295



PETRA 3/10/2014 10:03:01 AM

Antero Resources Corporation
 Appalachian Basin
 Western Unit 3H
 Ritchie County

Quadrangle: Pennsboro
 Watershed: Horner Run
 District: Clay
 Date: 3-10-2014

09/02/2016

RECEIVED
 Office of Oil and Gas
 JUN 8 2016
 WV Department of
 Environmental Protection