

LATITUDE 39°20'00"

5,659'

8,989' TO BOTTOM HOLE

LATITUDE 39°20'00"

LONGITUDE 80°57'30"

12,549'

LONGITUDE 80°57'30"

Antero Resources Corporation Well No. Penns Park Unit 1H

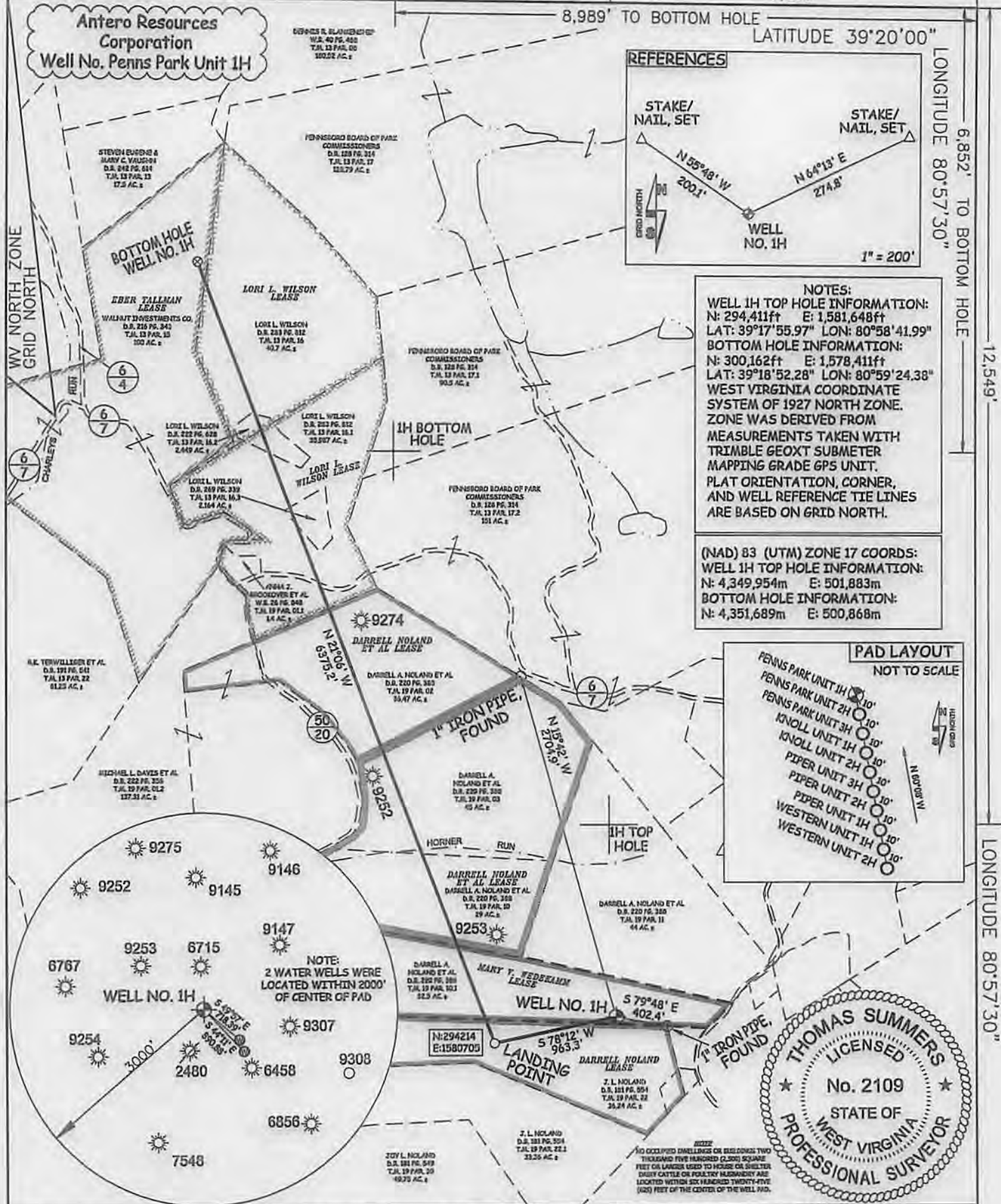
REFERENCES



NOTES:
 WELL 1H TOP HOLE INFORMATION:
 N: 294,411ft E: 1,581,648ft
 LAT: 39°17'55.97" LON: 80°58'41.99"
 BOTTOM HOLE INFORMATION:
 N: 300,162ft E: 1,578,411ft
 LAT: 39°18'52.28" LON: 80°59'24.38"
 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 1H TOP HOLE INFORMATION:
 N: 4,349,954m E: 501,883m
 BOTTOM HOLE INFORMATION:
 N: 4,351,689m E: 500,868m

PAD LAYOUT



JOB # 13-010WA
 DRAWING # PENNSPARK1H
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY SUBMETER
 PROVEN SOURCE OF ELEV. SUBMETER MAPPING GRADE GPS

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.

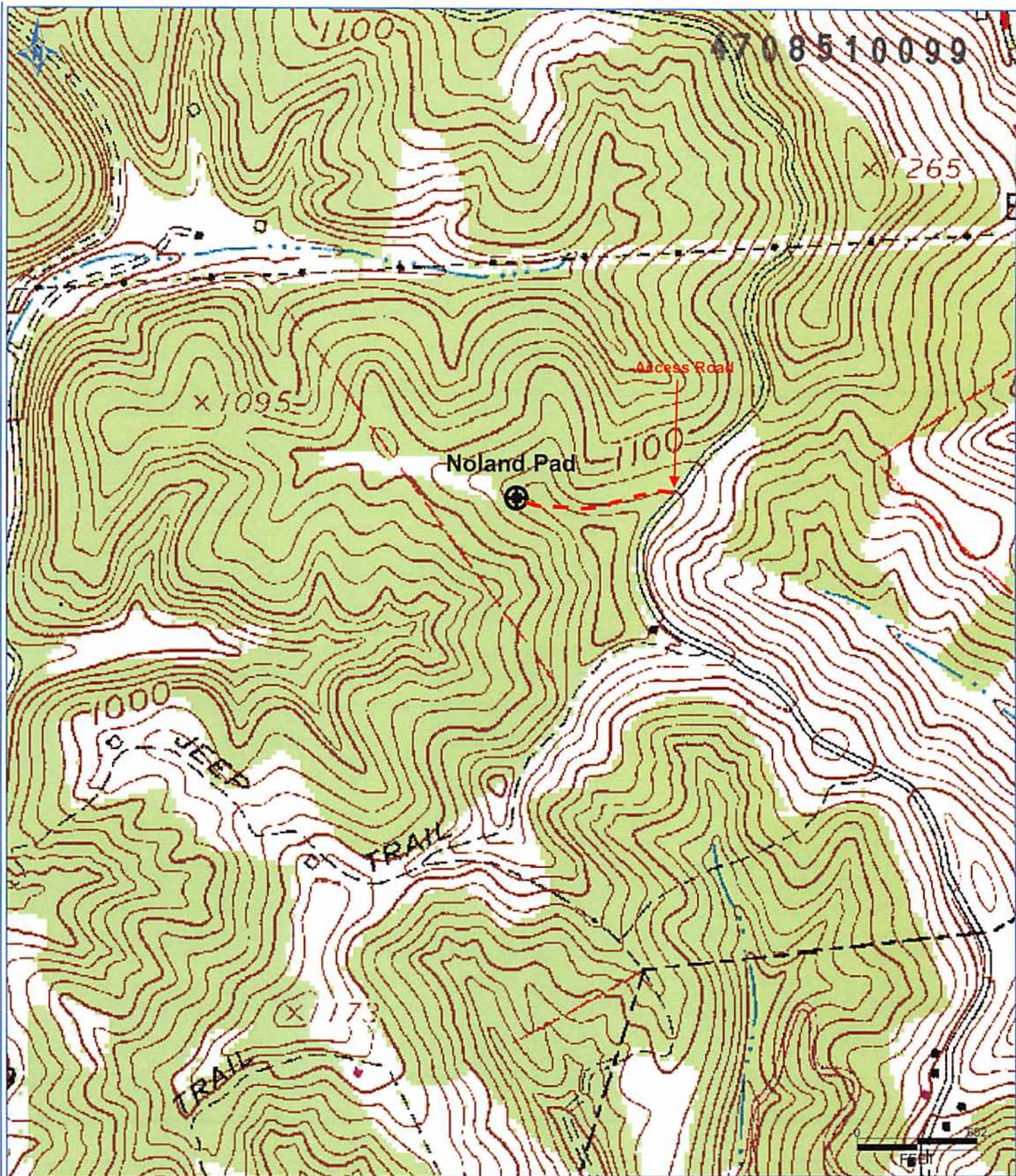


STATE OF WEST VIRGINIA, DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
 WILLOW LAND SURVEYING PLLC
 266 HUSHERS RUN RD PENNSBORO WEST VIRGINIA 26415

LEGEND
 - - - Surface Owner Boundary Lines +/-
 - - - Interior Surface Tracts +/-
 X Existing Fence
 Rebar, Found

THOMAS SUMMERS P.S. 2109
 DATE 03/11/14
 OPERATOR'S WELL # PENNS PARK UNIT 1H
 API WELL # 47 - 085 - 10099 HGA
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA DEPARTMENT OF ENERGY DIVISION OF OIL AND GAS
 WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X
 LOCATION: ELEVATION 1,143' WATERSHED HORNER RUN
 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; DARRELL NOLAND; DARRELL NOLAND ET AL; DARRELL NOLAND ET AL; LORI L. WILSON; LORI L. WILSON; EBER TALLMAN LEASE ACREAGE 32.5 ACRES +/-; 32 ACRES +/-; 74 ACRES +/-; 40 ACRES +/-; 42 ACRES +/-; 40 ACRES +/-; 90 ACRES +/-
 PROPOSED WORK: DRILL X CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE X
 PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION X OTHER PHYSICAL CHANGE IN WELL (SPECIFY) ___
 TARGET FORMATION MARCELLUS ESTIMATED DEPTH 6,500' TVD 13,400 MD
 WELL OPERATOR ANTERO RESOURCES CORP. DESIGNATED AGENT DIANNA STAMPER
 ADDRESS 1625 17TH STREET ADDRESS 5400 D BIG TYLER ROAD
DENVER, CO 80202 CHARLESTON, WV 25312



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

Antero Resources Corporation
Appalachian Basin
Penns Park Unit 1H
Ritchie County

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

Received
MAR 31 2014
Office of Oil and Gas
WV Dept. of Environmental Protection