

LATITUDE 39°20'00"

11,257'

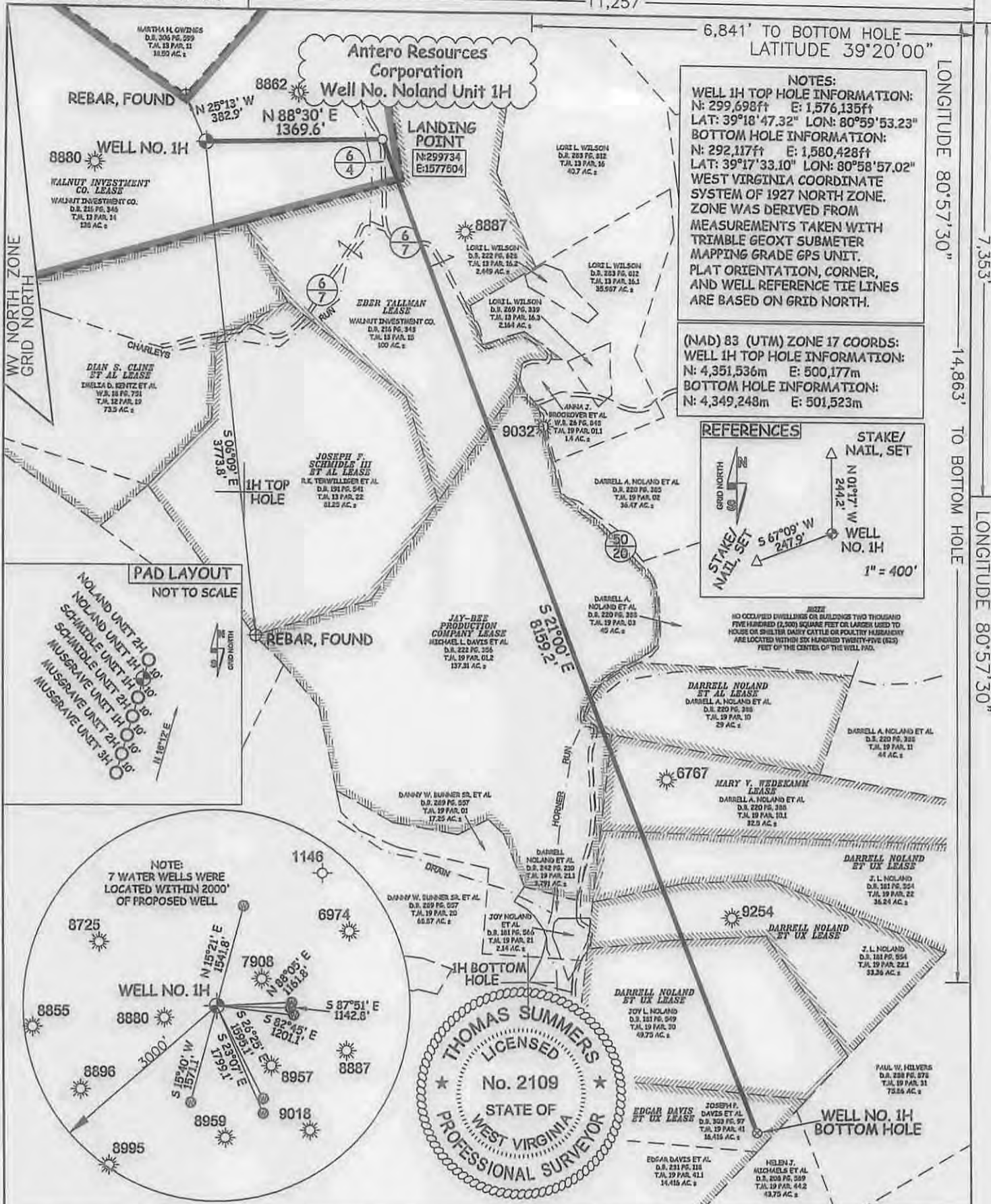
6,841' TO BOTTOM HOLE
LATITUDE 39°20'00"

LONGITUDE 80°57'30"

7,353'

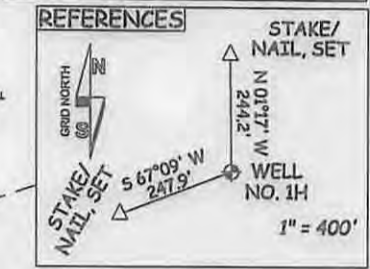
14,863' TO BOTTOM HOLE

LONGITUDE 80°57'30"

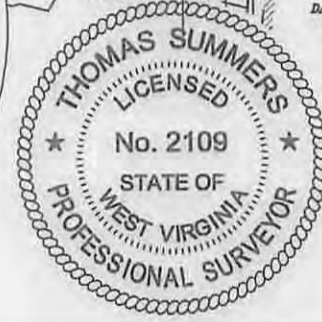


NOTES:
 WELL 1H TOP HOLE INFORMATION:
 N: 299,698ft E: 1,576,135ft
 LAT: 39°18'47.32" LON: 80°59'53.23"
 BOTTOM HOLE INFORMATION:
 N: 292,117ft E: 1,580,428ft
 LAT: 39°17'33.10" LON: 80°58'57.02"
 WEST VIRGINIA COORDINATE SYSTEM OF 1927 NORTH ZONE. ZONE WAS DERIVED FROM MEASUREMENTS TAKEN WITH TRIMBLE 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: 4,351,536m E: 500,177m
 BOTTOM HOLE INFORMATION:
 N: 4,349,248m E: 501,523m



NO OCCUPIED DWELLINGS OR BUILDINGS TWO THOUSAND FIVE HUNDRED (2,500) SQUARE FEET OR LARGER USED TO HOUSE OR SHUTTER DAIRY CATTLE OR POULTRY HABITANTRY ARE LOCATED WITHIN SIX HUNDRED TWENTY-FIVE (625) FEET OF THE CENTER OF THE WELL PAD.



JOB # 13-009WA
 DRAWING # NOLAND1HR2
 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
 WELL TYPE: OIL GAS X LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS") PRODUCTION X STORAGE DEEP SHALLOW X
 LOCATION: ELEVATION 1,120' WATERSHED CHARLEYS RUN
 QUADRANGLE PENNSBORO 7.5 DISTRICT CLAY COUNTY RITCHIE
 SURFACE OWNER WALNUT INVESTMENTS CO. ACREAGE 138 ACRES +/-
 OIL & GAS ROYALTY OWNER WALNUT INVESTMENT CO.; EBER TALLMAN; JAY-BEE PRODUCTION CO.; LEASE ACREAGE 238 ACRES +/-; 90 ACRES +/-; 137.31 ACRES +/-; DARRELL NOLAND ET AL.; MARY V. WEDEKAM; DARRELL NOLAND ET UX; DARRELL NOLAND ET UX; DARRELL NOLAND ET UX; EDGAR DAVIS ET UX
 23 ACRES +/-; 33 ACRES +/-; 32 ACRES +/-; 33 ACRES +/-; 43.5 ACRES +/-; 50 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) PLUG & ABANDON CLEAN OUT & REPLUG
 TARGET FORMATION MARCELLUS ESTIMATED DEPTH 6,500' TVD 15,200 MD
 WELL OPERATOR ANTERO RESOURCES CORP. DESIGNATED AGENT DIANNA STAMPER
 ADDRESS 1815 WYNKOOP STREET ADDRESS CT CORPORATION SYSTEM
 DENVER, CO 80202 CHARLESTON, WV 25313

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.

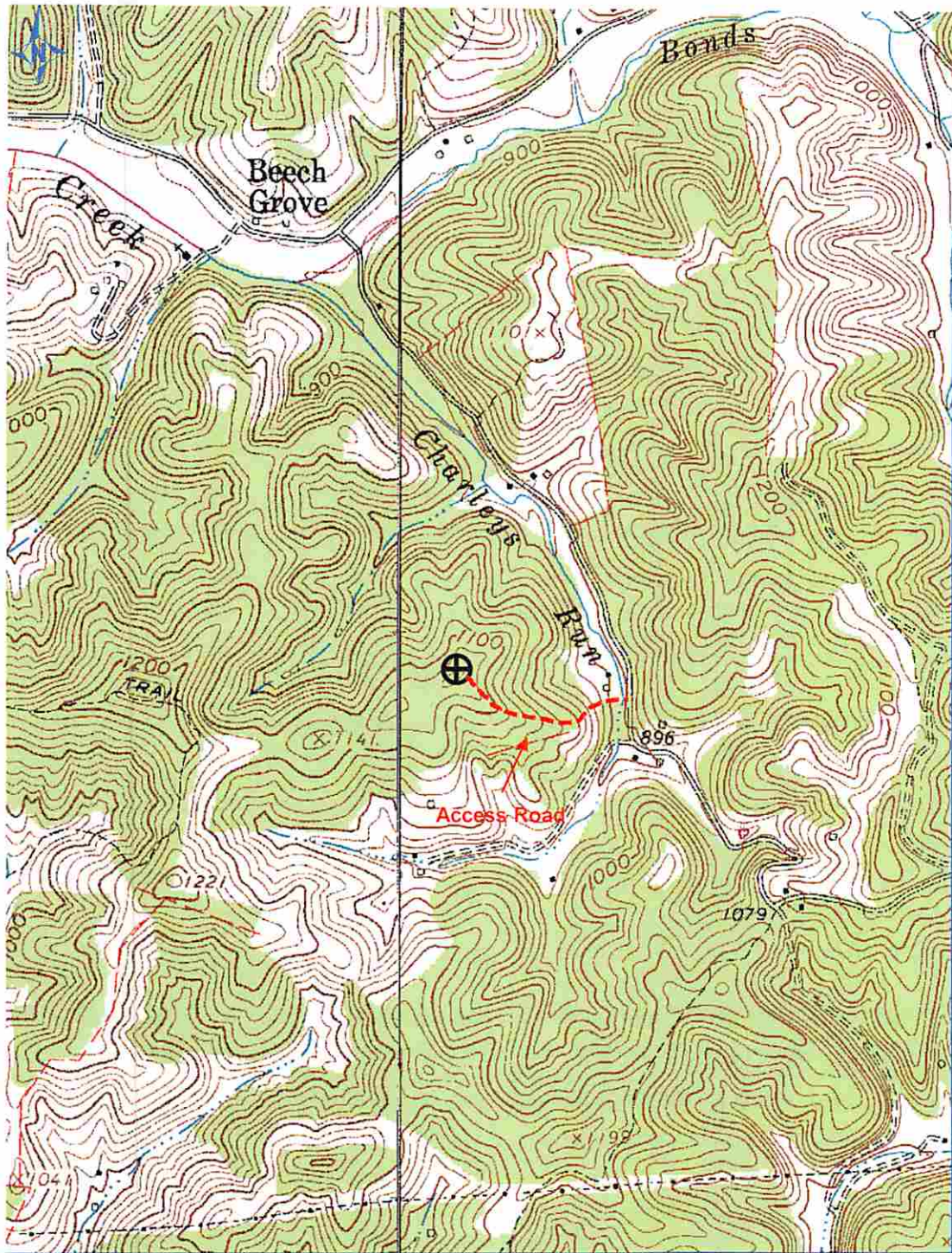


STATE OF WEST VIRGINIA, DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
 WILLOW LAND SURVEYING PLLC
 266 HUSHERS RUN RD PENNSBORO WEST VIRGINIA 26415

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

THOMAS SUMMERS P.S. 2109
 DATE 08/04/14
 OPERATOR'S WELL# NOLAND UNIT #1H
 API WELL # 47 - 085 - 10164
 STATE COUNTY PERMIT
 COUNTY NAME RITCHIE
 PERMIT

4708510164



ETRA 4/26/2013 3:44:04 PM

Antero Resources Corp

APPALACHIAN BASIN

Noland Unit 1H

Ritchie County

REMARKS
QUADRANGLE: PENNSBORO 7.5'
WATERSHED: CHARLEYS RUN
DISTRICT: CLAY

By: ECM

