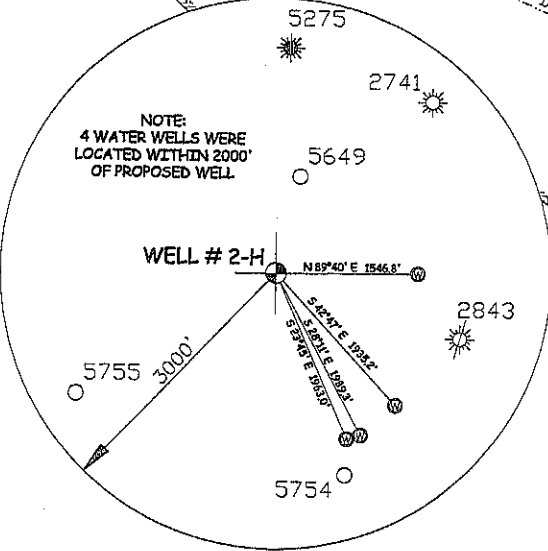
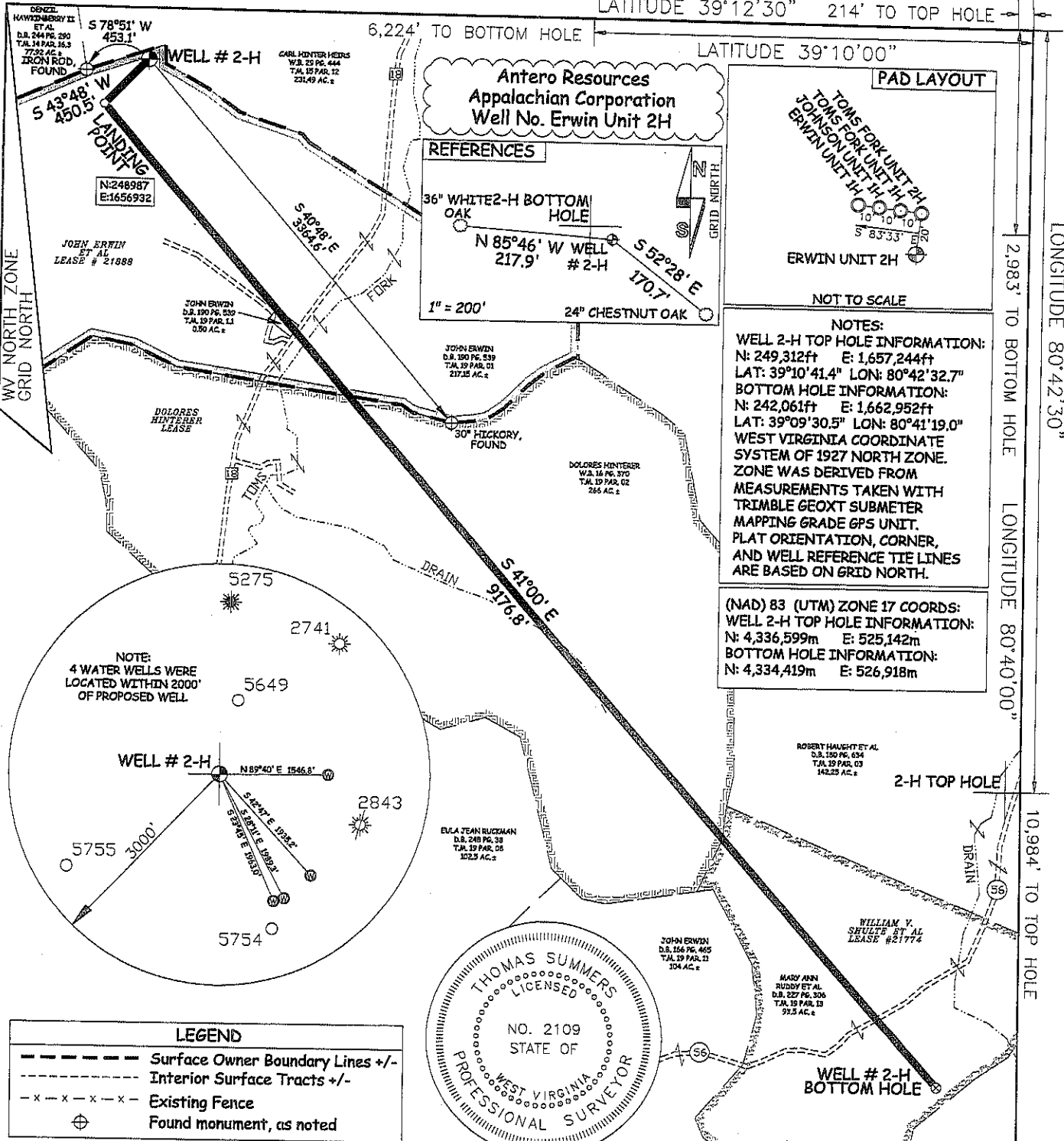


LATITUDE 39°12'30" 214' TO TOP HOLE

LATITUDE 39°10'00"

LONGITUDE 80°42'30"

LONGITUDE 80°40'00"

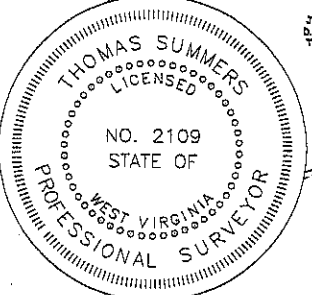


NOTES:
 WELL 2-H TOP HOLE INFORMATION:
 N: 249,312ft E: 1,657,244ft
 LAT: 39°10'41.4" LON: 80°42'32.7"
 BOTTOM HOLE INFORMATION:
 N: 242,061ft E: 1,662,952ft
 LAT: 39°09'30.5" LON: 80°41'19.0"
 WEST VIRGINIA COORDINATE SYSTEM OF 1927 NORTH ZONE. ZONE WAS DERIVED FROM MEASUREMENTS TAKEN WITH TRIMBLE GEOXT 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 2-H TOP HOLE INFORMATION:
 N: 4,336,599m E: 525,142m
 BOTTOM HOLE INFORMATION:
 N: 4,334,419m E: 526,918m

LEGEND

- Surface Owner Boundary Lines +/-
- - - Interior Surface Tracts +/-
- x - x - x - Existing Fence
- ⊕ Found monument, as noted



JOB # 11-097
 DRAWING # ERWIN2HPR3
 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 REGULATIONS 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

THOMAS SUMMERS P.S. 2109
 DATE 12/13/11
 OPERATOR'S WELL# ERWIN UNIT 2H
 API WELL # 47 - 017 - 06071104

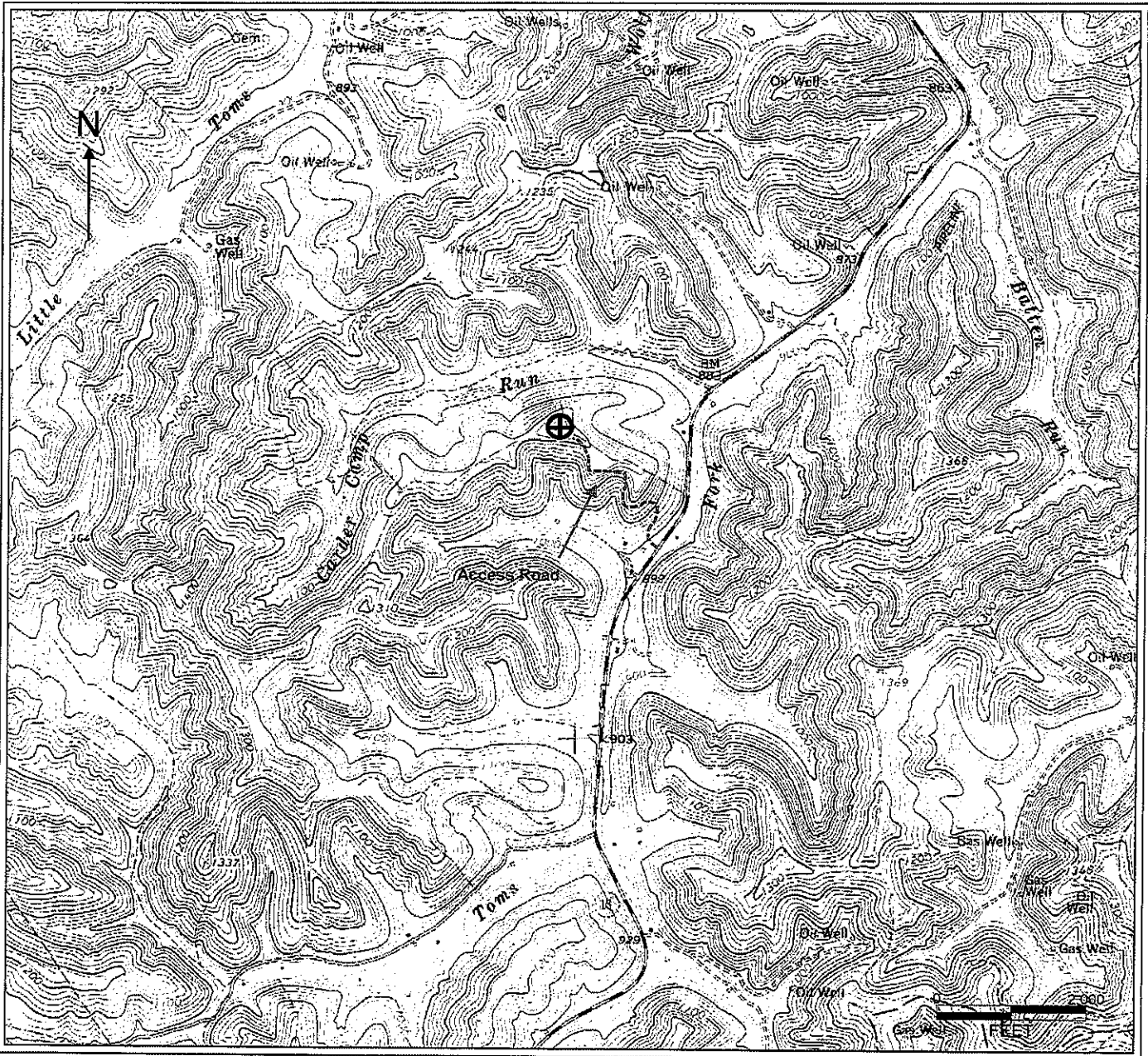
STATE OF WEST VIRGINIA DEPARTMENT OF ENERGY DIVISION OF OIL AND GAS

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS") PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION 1,223' WATERSHED TOMS FORK DISTRICT NEW MILTON COUNTY DODDRIDGE
 QUADRANGLE NEW MILTON 7.5

SURFACE OWNER JOHN ERWIN ACREAGE 217.15 ACRES +/-
 OIL & GAS ROYALTY OWNER JOHN ERWIN ET AL (21888); DOLORES HINTERER; LEASE ACREAGE 218 AC; 266 AC; WILLIAM V. SHULTE ET AL (21774) 93.5 AC.

PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION
 OTHER PHYSICAL CHANGE IN WELL (SPECIFY)
 PLUG & ABANDON CLEAN OUT & REPLUG ESTIMATED DEPTH 7,300' TVD 17,000' MD
 TARGET FORMATION MARCELLUS
 WELL OPERATOR ANTERO RESOURCES APPALACHIAN CORP. DESIGNATED AGENT DIANNA STAMPER
 ADDRESS 1625 17TH STREET ADDRESS 5400 D BIG TYLER ROAD
 DENVER, CO 80202 CHARLESTON, WV 25313

COUNTY NAME PERMIT



PETRA 1/4/2012 10:17:06 AM

REGISTERED
 OFFICE OF OIL & GAS
 JAN 03 2012
 W. J. HARRIS, REGISTERED PROFESSIONAL ENGINEER

Antero Resources Corporation
APPALACHIAN BASIN
Erwin Unit 2H Doddridge County
REMARKS QUADRANGLE: NEW MILTON WATERSHED: TOMS FORK DISTRICT: NEW MILTON
Date: 01/04/2012