

LATITUDE 39°20'00"

6,121'

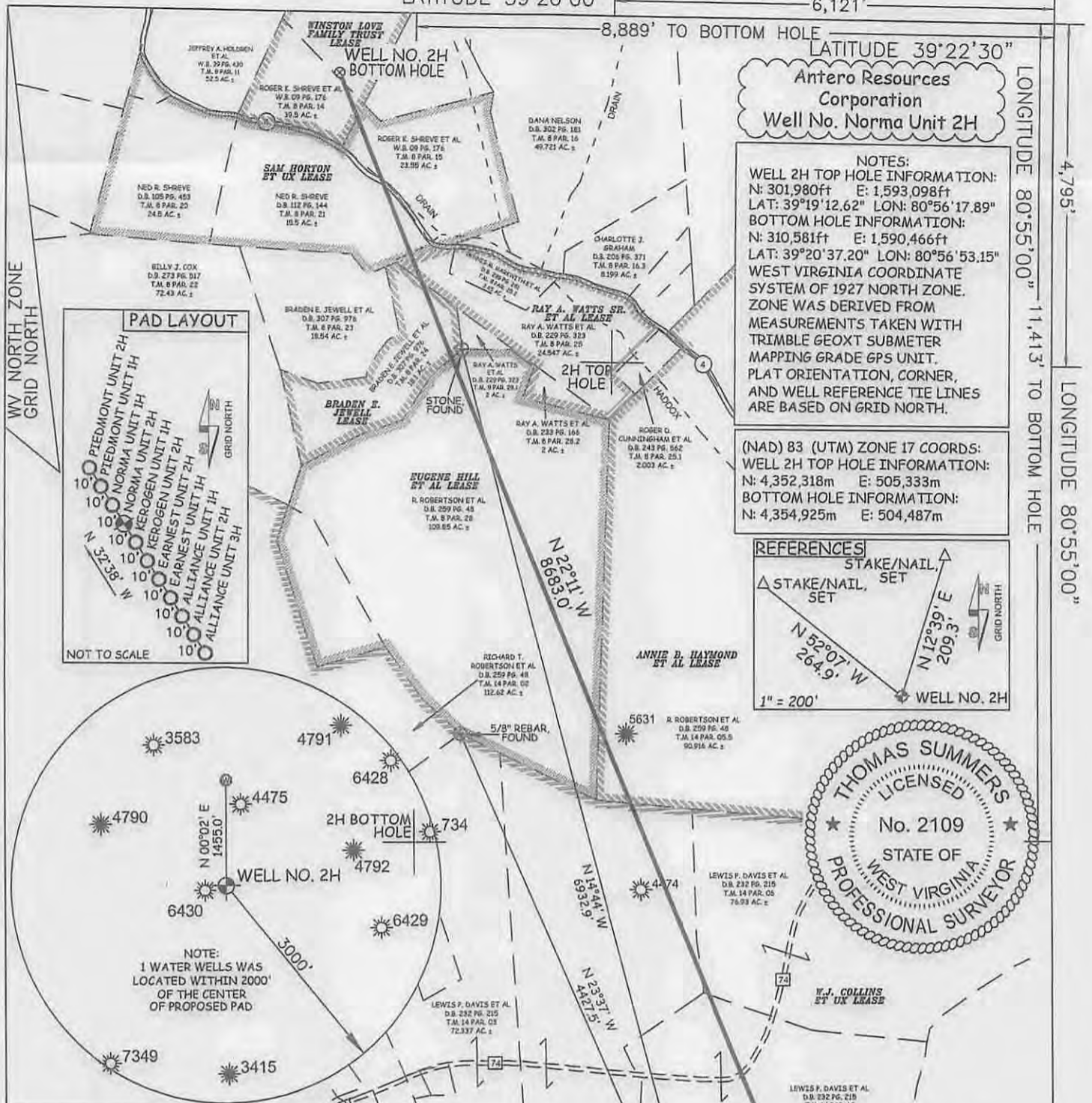
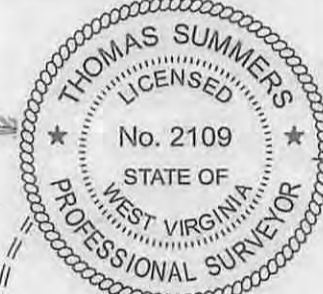
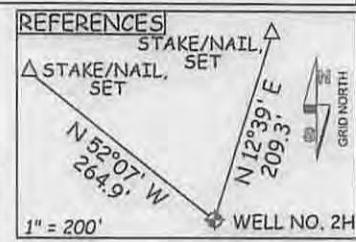
8,889' TO BOTTOM HOLE

LATITUDE 39°22'30"

Antero Resources Corporation
Well No. Norma Unit 2H

NOTES:
WELL 2H TOP HOLE INFORMATION:
N: 301,980ft E: 1,593,098ft
LAT: 39°19'12.62" LON: 80°56'17.89"
BOTTOM HOLE INFORMATION:
N: 310,581ft E: 1,590,466ft
LAT: 39°20'37.20" LON: 80°56'53.15"
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 2H TOP HOLE INFORMATION:
N: 4,352,318m E: 505,333m
BOTTOM HOLE INFORMATION:
N: 4,354,925m E: 504,487m



NOTE: 1 WATER WELLS WAS LOCATED WITHIN 2000' OF THE CENTER OF PROPOSED PAD

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

JOB # 14-069WA
DRAWING # NORMA2H
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

WELL NO. 2H
HAROLD H. BLOCH ET UX LEASE

THOMAS SUMMERS P.S. 2109
DATE 07/23/14

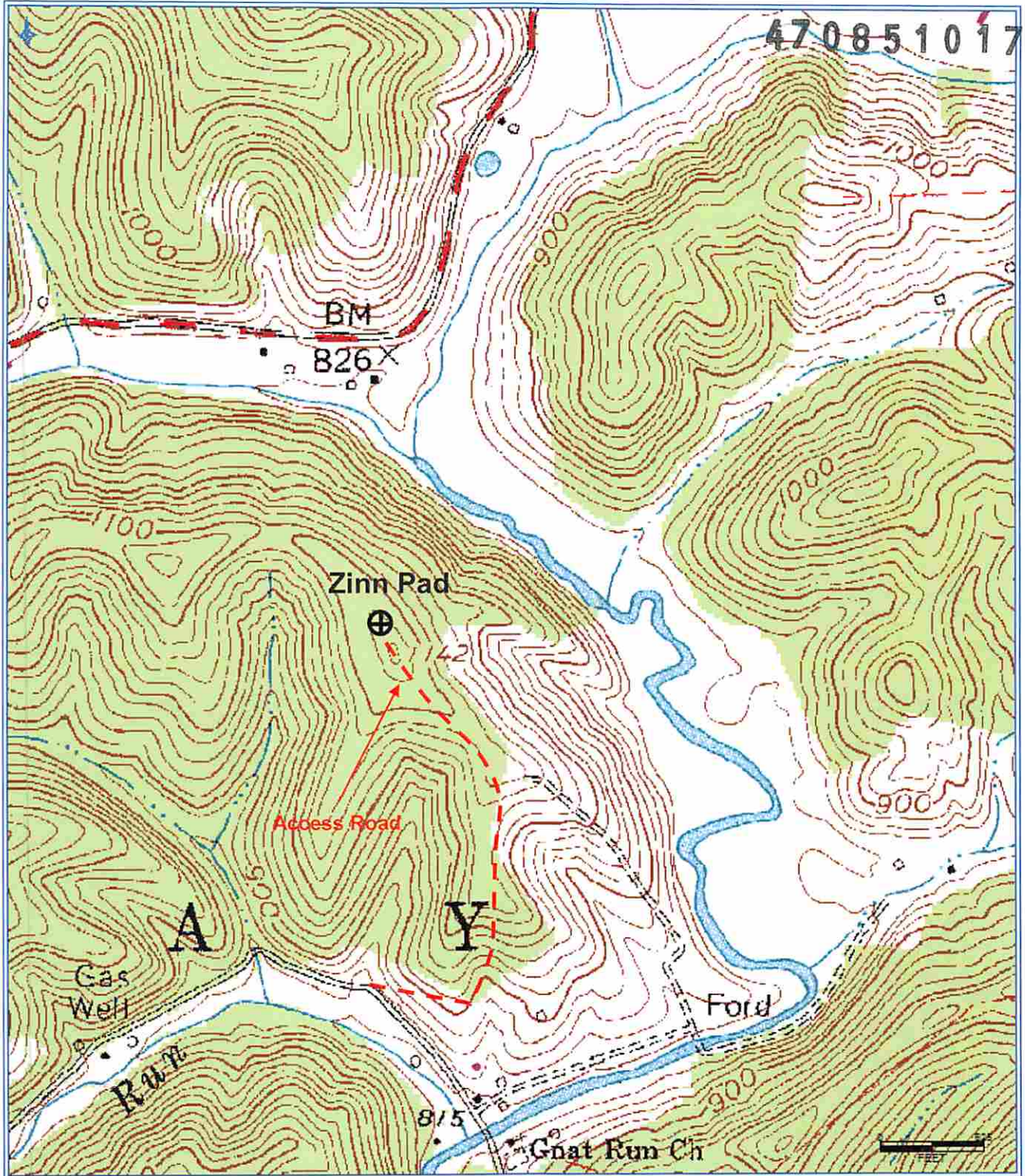
STATE OF WEST VIRGINIA DEPARTMENT OF ENERGY DIVISION OF OIL AND GAS

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
(IF "GAS") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X
LOCATION: ELEVATION 1,119' WATERSHED NORTH FORK HUGHES RIVER
QUADRANGLE PENNSBORO 7.5' DISTRICT CLAY COUNTY RITCHIE

SURFACE OWNER ERNEST E. ZINN ET AL ACREAGE 129.5 ACRES +/-
OIL & GAS ROYALTY OWNER HAROLD H. BLOCH ET UX; W.J. COLLINS ET UX; ANNIE B. HAYMOND ET AL; LEASE ACREAGE 131.5 ACRES +/-; 57.5 ACRES +/-; 639.06 ACRES +/-; EUGENE HILL ET AL; BRADEN E. JEWELL; RAY A WATTS SR. ET AL; SAM HORTON ET UX; WINSTON LOVE FAMILY TRUST 102 ACRES +/-; 18.1 ACRES +/-; 27.997 ACRES +/-; 63.55 ACRES +/-; 39.5 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 ___ ESTIMATED DEPTH 6,700' TVD 15,900' MD
TARGET FORMATION MARCELLUS
WELL OPERATOR ANTERO RESOURCES CORP. DESIGNATED AGENT DIANNA STAMPER
ADDRESS 1615 WYNKOOP STREET CT CORPORATION SYSTEM
DENVER, CO 80202 CHARLESTON, WV 25313



Received

SEP 19 2014

Office of Oil and Gas
WV Dept. of Environmental Protection

Antero Resources Corporation

Appalachian Basin

Norma Unit 2H

Ritchie County

Quadrangle: Pennsboro

Watershed: North Fork Hughes River

District: Clay

Date: 8-27-14