

LATITUDE 39°20'00"

6,110'

4,811'

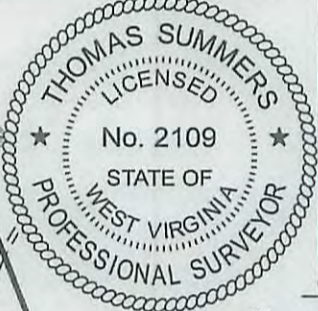
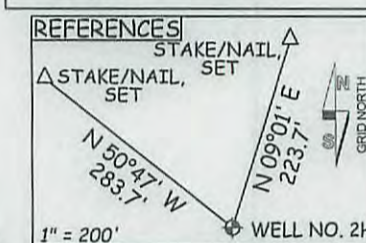
LONGITUDE 80°55'00"

LONGITUDE 80°55'00"

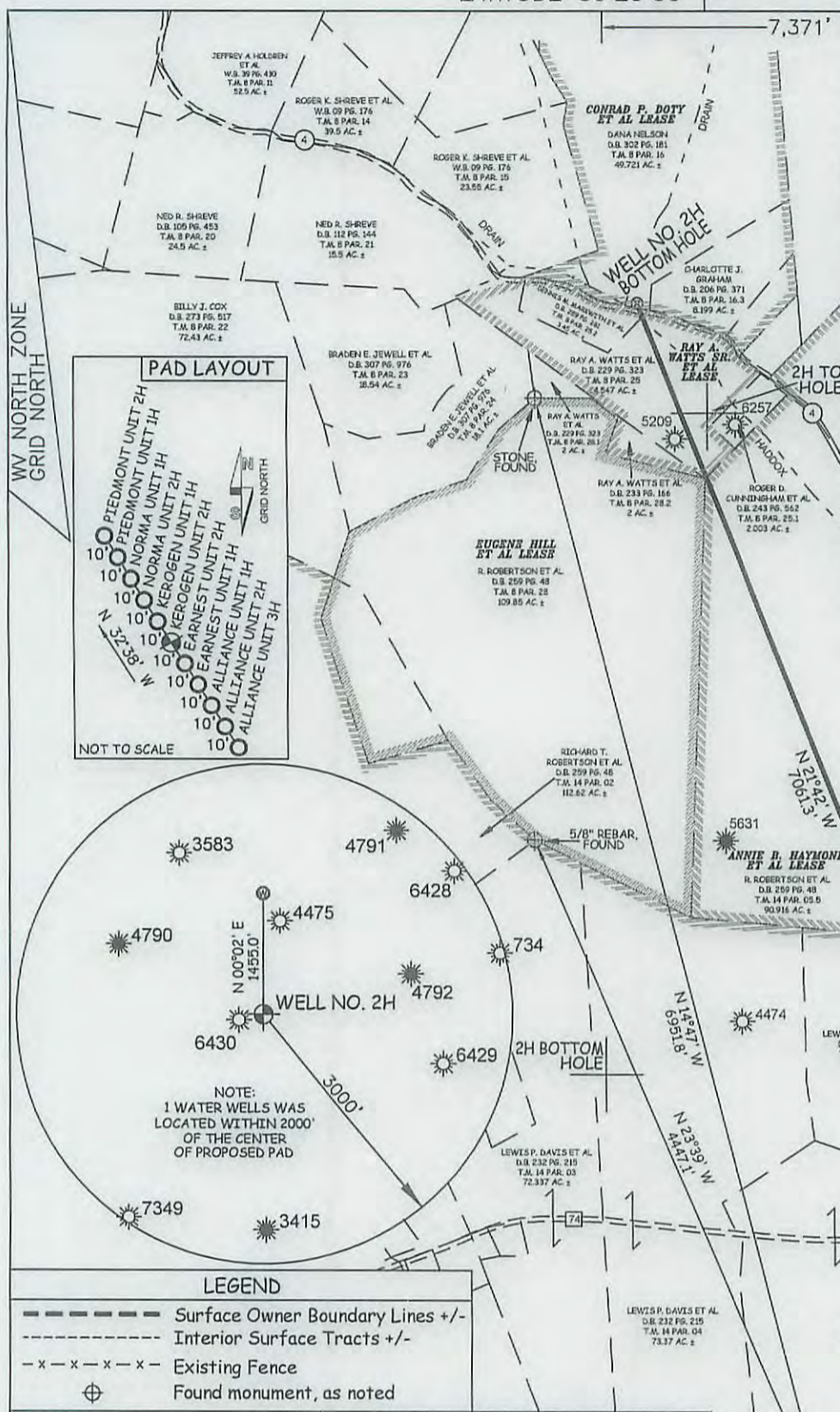
Antero Resources Corporation Well No. Kerogen Unit 2H

NOTES:
WELL 2H TOP HOLE INFORMATION:
 N: 301,963ft E: 1,593,109ft
 LAT: 39°19'12.45" LON: 80°56'17.75"
BOTTOM HOLE INFORMATION:
 N: 309,249ft E: 1,591,963ft
 LAT: 39°20'24.27" LON: 80°56'33.82"
 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: 4,352,313m E: 505,336m
BOTTOM HOLE INFORMATION:
 N: 4,354,527m E: 504,950m



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 # 12-131WA
 DRAWING # KEROGEN2H
 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 02/02/16

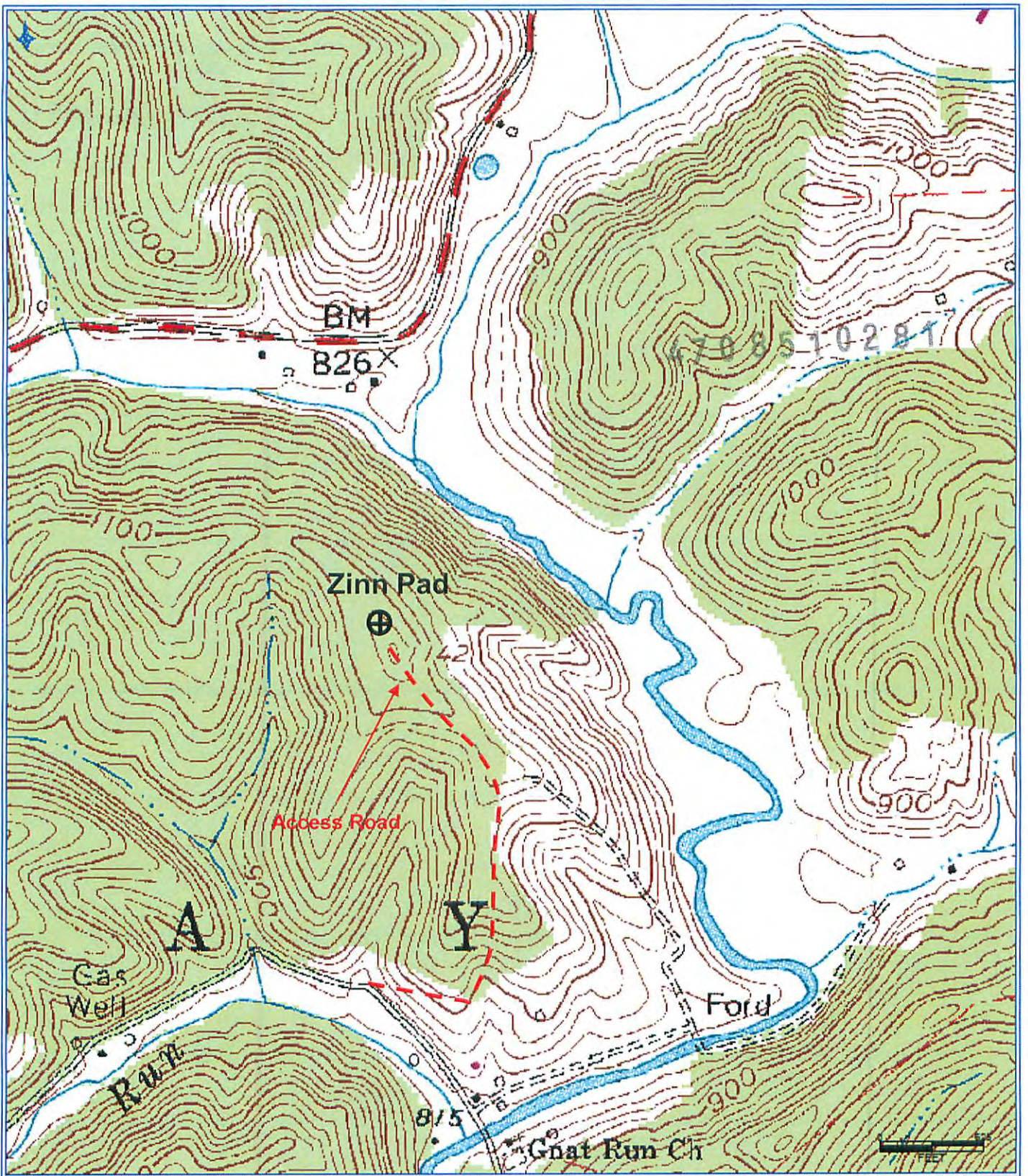
STATE OF WEST VIRGINIA DEPARTMENT OF ENERGY DIVISION OF OIL AND GAS

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS") PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION ORIG 1,135' - PROPOSED 1,119' WATERSHED NORTH FORK HUGHES RIVER STATE COUNTY PERMIT
 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; LEASE ACREAGE 131.5 ACRES±; 575 ACRES±;
 ANNIE B. HAYMOND ET AL; RAY A. WATTS SR. ET AL; CONRAD P. DOTY ET AL 639.06 ACRES±; 27.997 ACRES±; 606.18 ACRES±

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 6,700' TVD 14,100' MD
 TARGET FORMATION MARCELLUS
 WELL OPERATOR ANTERO RESOURCES CORP. DESIGNATED AGENT DIANNA STAMPER
 ADDRESS 1615 WYNKOOP STREET ADDRESS 5400 D BIG TYLER ROAD
 DENVER, CO 80202 CHARLESTON, WV 25313

02/18/2016



Antero Resources Corporation
 Appalachian Basin
 Kerogen Unit 2H
 Ritchie County
 Quadrangle: Pennsboro
 Watershed: South Fork Hughes River
 District: Clay
 Date: 8-27-14

RECEIVED
 Office of Oil and Gas
 FEB 04 2016
 WV Department of
 Environmental Protection
 03/18/2016