

LATITUDE 39°22'30"

9,866'

3,586' TO BOTTOM HOLE

LATITUDE 39°25'00"

LONGITUDE 81°00'00"

3,548'

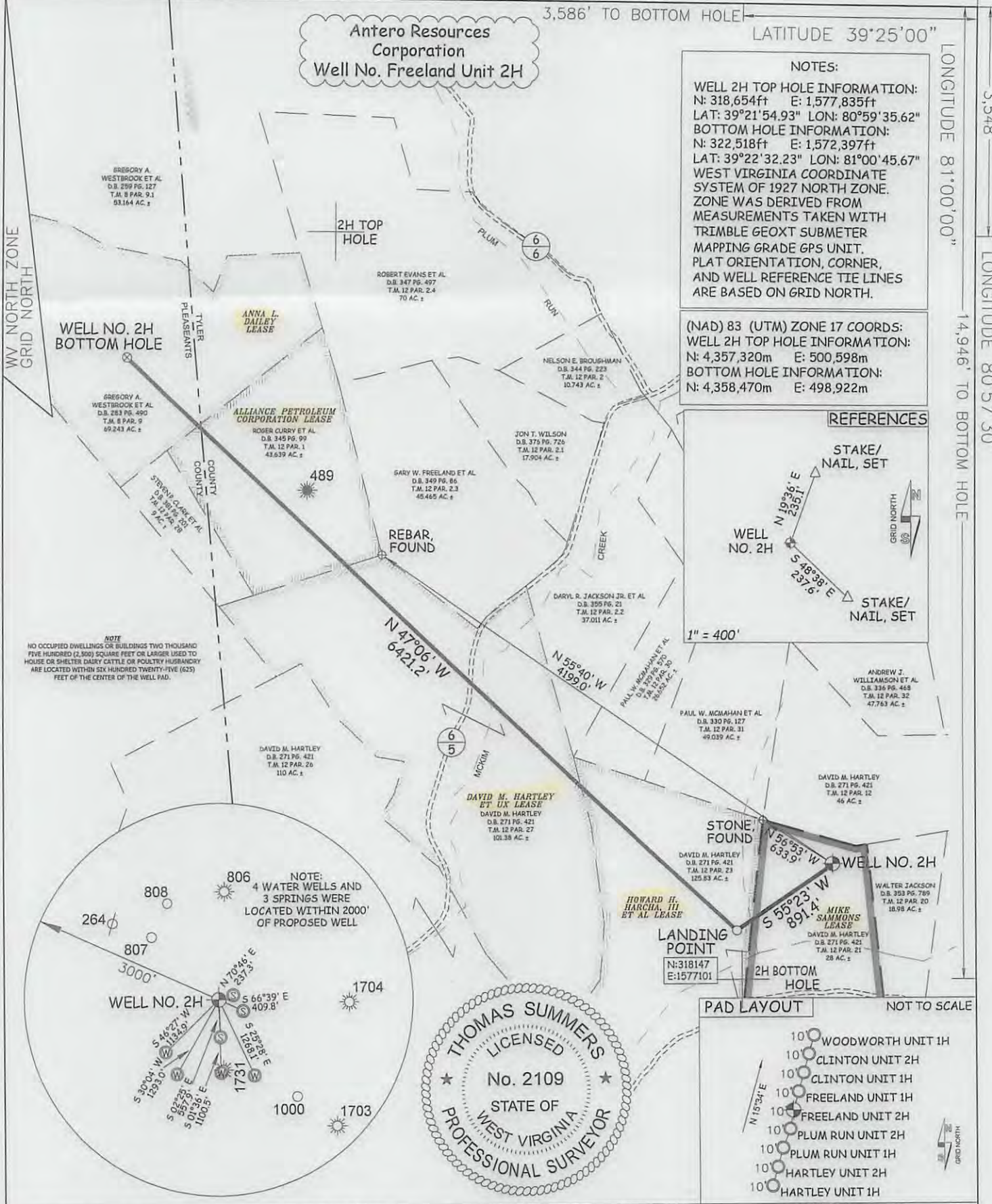
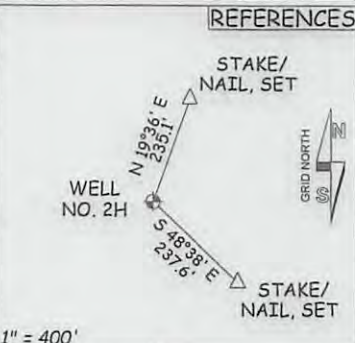
LONGITUDE 80°57'30"

14,946' TO BOTTOM HOLE

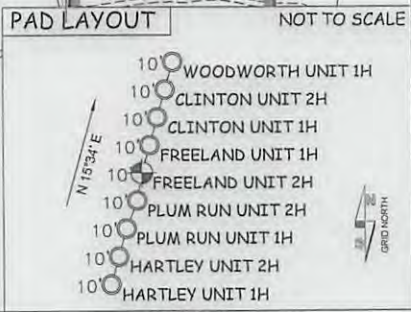
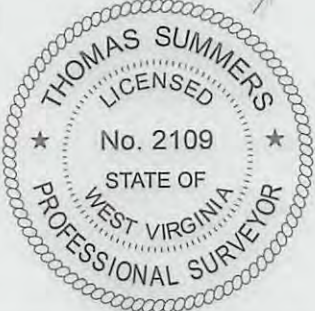
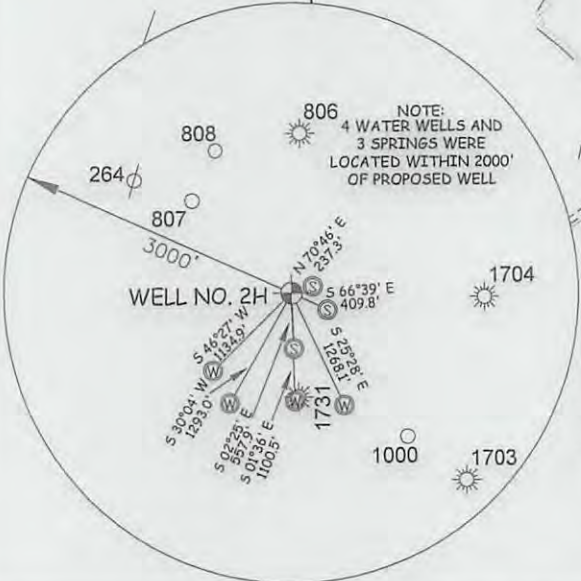
Antero Resources Corporation
Well No. Freeland Unit 2H

NOTES:
 WELL 2H TOP HOLE INFORMATION:
 N: 318,654ft E: 1,577,835ft
 LAT: 39°21'54.93" LON: 80°59'35.62"
 BOTTOM HOLE INFORMATION:
 N: 322,518ft E: 1,572,397ft
 LAT: 39°22'32.23" LON: 81°00'45.67"
 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: 4,357,320m E: 500,598m
 BOTTOM HOLE INFORMATION:
 N: 4,358,470m E: 498,922m



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 # 13-042WA
 DRAWING # FREELAND2H
 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 07/30/13
 OPERATOR'S WELL# FREELAND UNIT #2H

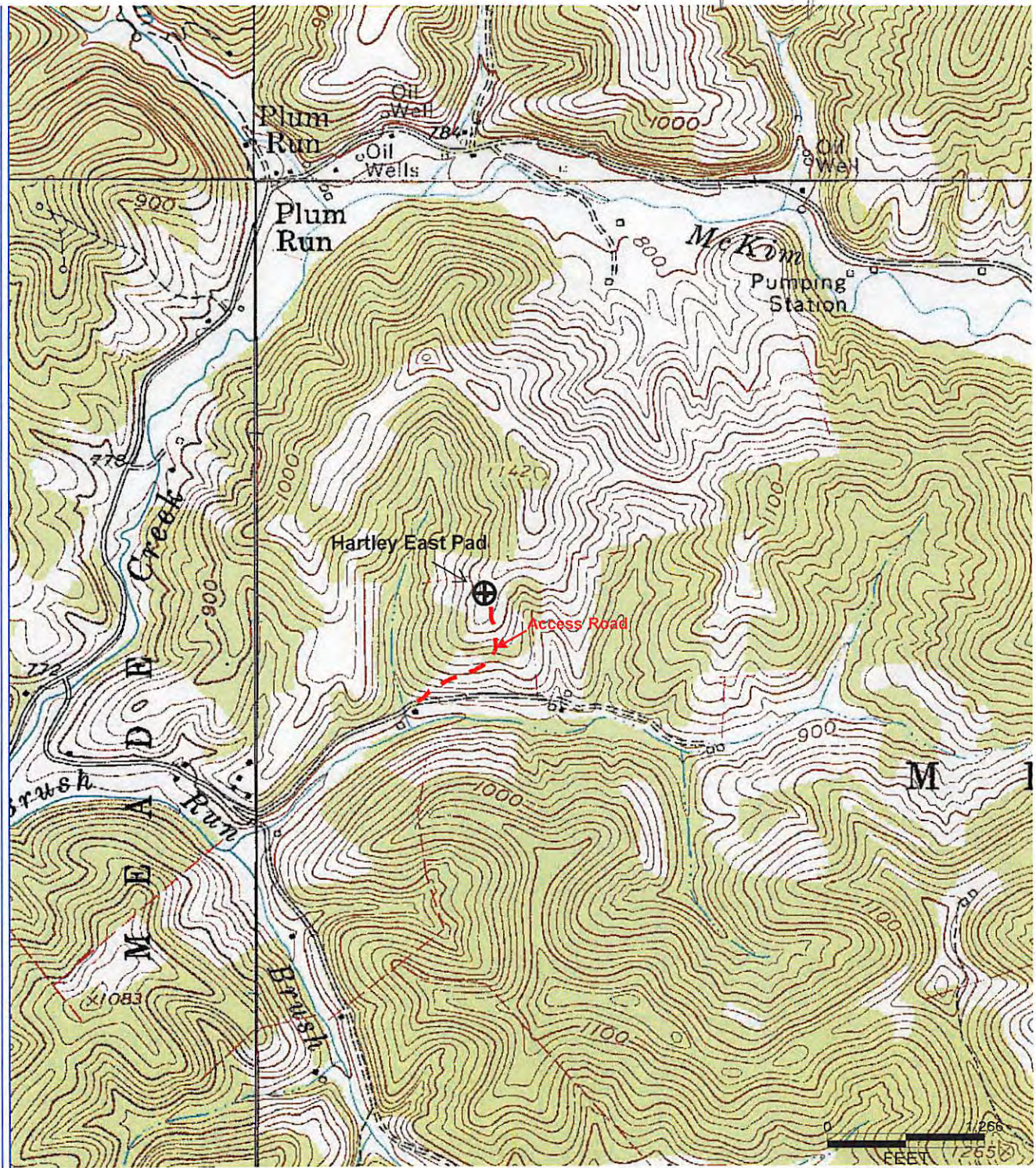
STATE OF WEST VIRGINIA DEPARTMENT OF ENERGY DIVISION OF OIL AND GAS
 WELL TYPE: OIL ___ GAS LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS") PRODUCTION STORAGE ___ DEEP ___ SHALLOW
 LOCATION: ELEVATION 1,021' WATERSHED TRIBUTARY OF BRUSH RUN
 QUADRANGLE PENNSBORO 7.5 (TOP HOLE) BENS RUN 7.5 (BOTTOM HOLE) DISTRICT MEADE COUNTY TYLER

API WELL # 47 - 095 - 02127
 STATE COUNTY HRA

SURFACE OWNER DAVID M. HARTLEY ACREAGE 21 ACRES +/-
 OIL & GAS ROYALTY OWNER MIKE SAMMONS; HOWARD H. HARCHA, III ET AL; LEASE ACREAGE 28 AC +/-; 115 AC +/-;
 DAVID M. HARTLEY ET UX; ALLIANCE PETROLEUM CORPORATION; ANNA L. DAILEY 101.38 AC +/-; 35 ACRES +/-; 68 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
 TARGET FORMATION MARCELLUS ESTIMATED DEPTH 6,200' TVD 13,100' MD
 WELL OPERATOR ANTERO RESOURCES CORP. DESIGNATED AGENT CT CORPORATION SYSTEM
 ADDRESS 1625 17TH STREET ADDRESS 5400 D BIG TYLER ROAD
 DENVER, CO 80202 CHARLESTON, WV 25313

COUNTY NAME PERMIT

Plat spotted 95-02127



RECEIVED
Office of Oil and Gas

AUG 9 2013

WV Department of
Environmental Protection

Antero Resources Corporation
Appalachian Basin
Freeland Unit 2H
Tyler County

Quadrangle: Ellenboro & Pennsboro
Watershed: Middle Island Creek
District: Meade
Date: 7-26-2013