

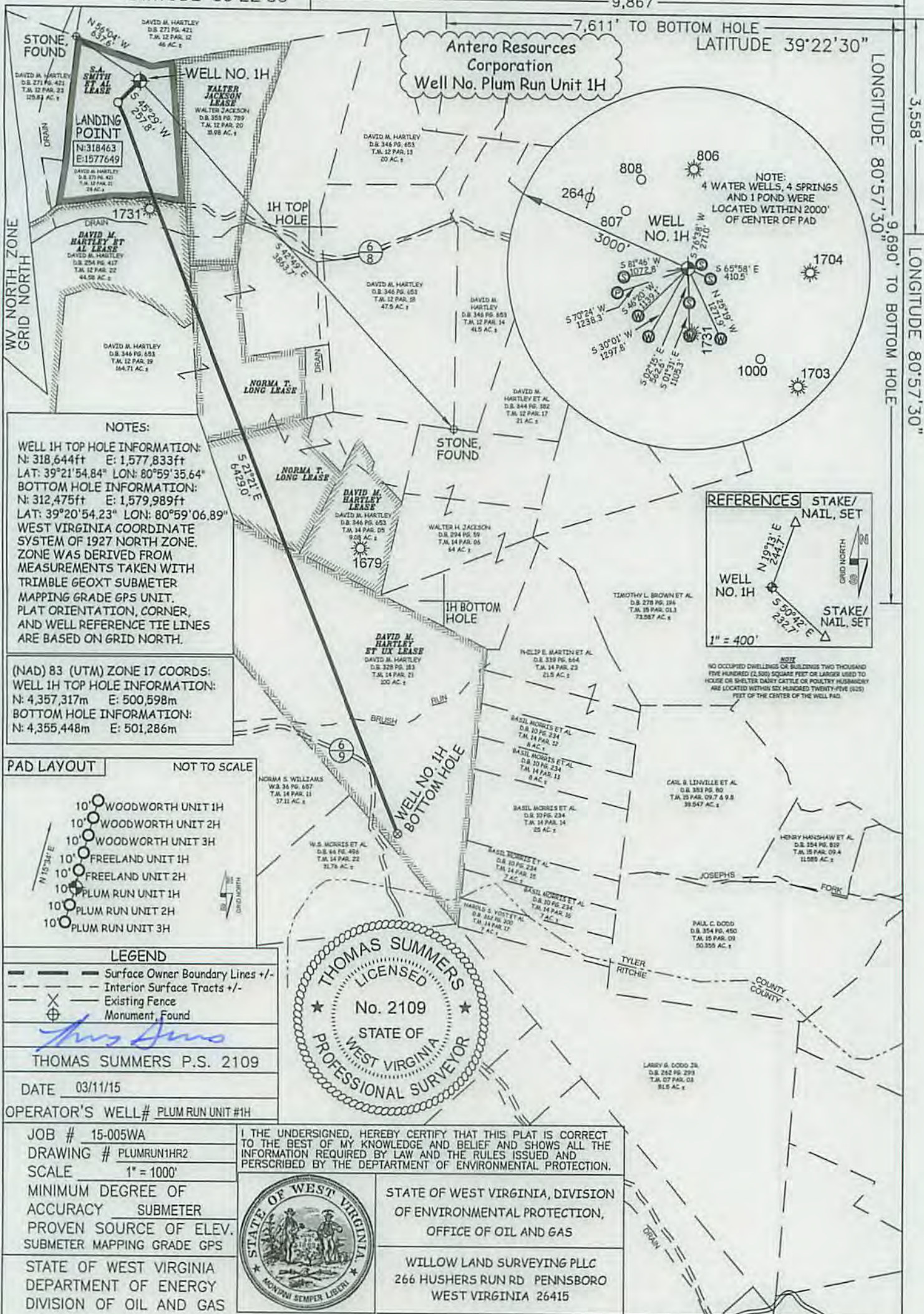
LATITUDE 39°22'30"

9,867'

LATITUDE 39°22'30"

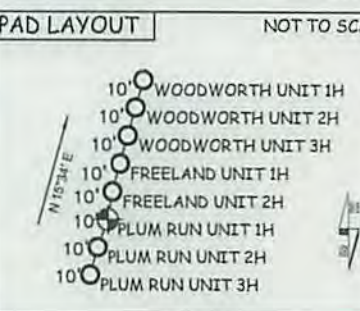
LONGITUDE 80°57'30"

LONGITUDE 80°57'30"



**NOTES:**  
 WELL 1H TOP HOLE INFORMATION:  
 N: 318,644ft E: 1,577,833ft  
 LAT: 39°21'54.84" LON: 80°59'35.64"  
 BOTTOM HOLE INFORMATION:  
 N: 312,475ft E: 1,579,989ft  
 LAT: 39°20'54.23" LON: 80°59'06.89"  
 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: 4,357,317m E: 500,598m  
 BOTTOM HOLE INFORMATION:  
 N: 4,355,448m E: 501,286m



**LEGEND**  
 - - - Surface Owner Boundary Lines +/-  
 - - - Interior Surface Tracts +/-  
 X Existing Fence  
 ⊕ Monument Found

THOMAS SUMMERS P.S. 2109  
 DATE 03/11/15

OPERATOR'S WELL# PLUM RUN UNIT #1H

JOB # 15-005WA  
 DRAWING # PLUMRUN1HR2  
 SCALE 1" = 1000'

MINIMUM DEGREE OF ACCURACY SUBMETER  
 PROVEN SOURCE OF ELEV. SUBMETER MAPPING GRADE GPS

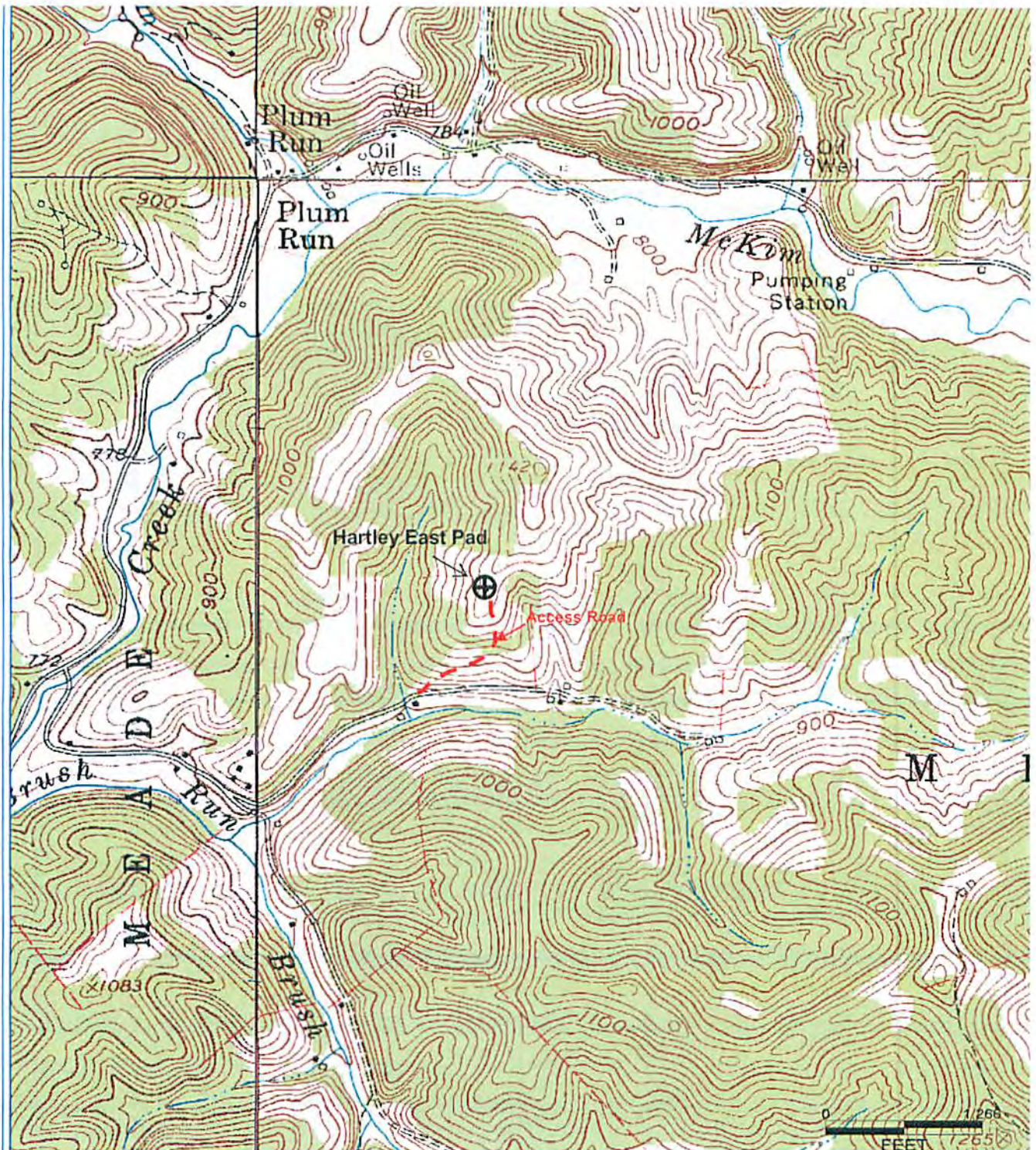
STATE OF WEST VIRGINIA DEPARTMENT OF ENERGY DIVISION OF OIL AND GAS

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 TYPE: OIL	GAS	<input checked="" type="checkbox"/> LIQUID INJECTION	WASTE DISPOSAL	API WELL #	47 - 095 - 02246
(IF "GAS") PRODUCTION	<input checked="" type="checkbox"/> STORAGE	DEEP	SHALLOW	STATE	COUNTY
LOCATION: ELEVATION	ORIGINAL 1,031' - PROPOSED 1,021'	WATERSHED	OUTLET MIDDLE ISLAND CREEK	DISTRICT	MEADE COUNTY TYLER
SURFACE OWNER	DAVID M. HARTLEY	ACREAGE	28 ACRES +/-	DISTRICT	MEADE COUNTY TYLER
OIL & GAS ROYALTY OWNER	S.A. SMITH ET AL; DAVID M. HARTLEY ET AL;	LEASE ACREAGE	28 AC+; 44.58 AC+;		
	NORMA T. LONG; NORMA T. LONG; DAVID M. HARTLEY ET UX		22.5 AC+; 22.55 AC+; 100 AC+		
PROPOSED WORK: DRILL	<input checked="" type="checkbox"/> CONVERT	DRILL DEEPER	REDRILL	FRACTURE OR STIMULATE	<input checked="" type="checkbox"/> X
PLUG OFF OLD FORMATION	PERFORATE NEW FORMATION	<input checked="" type="checkbox"/> OTHER PHYSICAL CHANGE IN WELL (SPECIFY)	PLUG & ABANDON	CLEAN OUT & REPLUG	
TARGET FORMATION	MARCELLUS	ESTIMATED DEPTH	6,500' TVD 13,400' MD		
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		



Received  
Office of Oil & Gas  
MAR 27 2015

**Antero Resources Corporation**

Appalachian Basin

Plum Run Unit 1H

Tyler County

Quadrangle: Ellenboro & Pennsboro

Watershed: Middle Island Creek

District: Meade

Date: 7-26-2013