

LATITUDE 39°12'30"

4,777'

7,959' TO BOTTOM HOLE

LONGITUDE 80°55'00"

12,201'

8,745' TO BOTTOM HOLE

Antero Resources Appalachian Corporation Well No. Logan Unit 1H

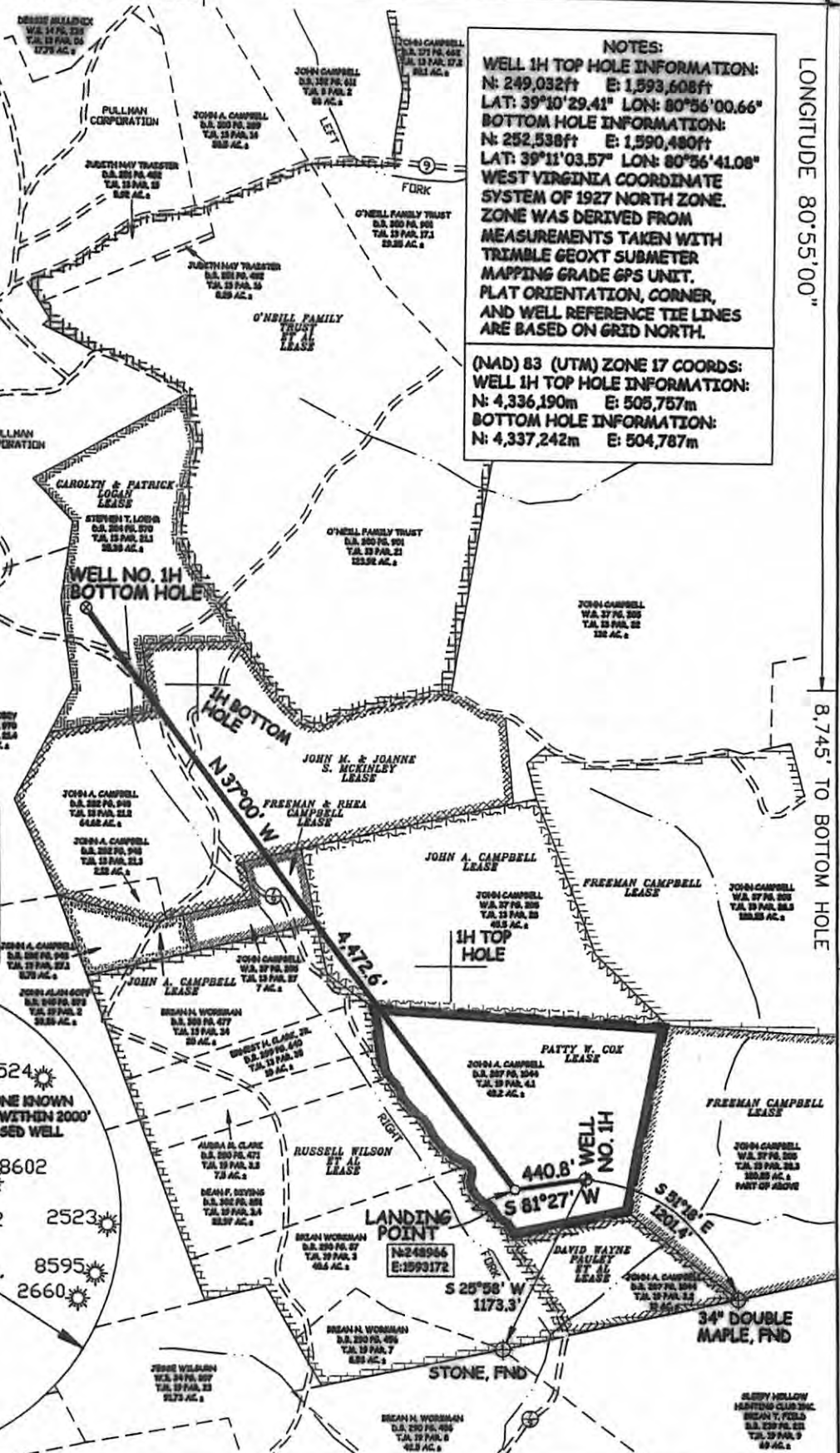
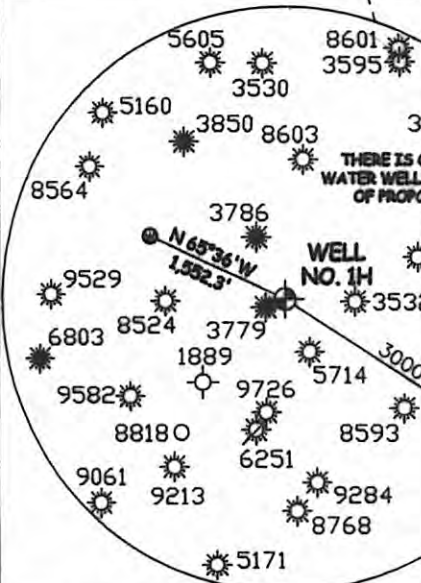
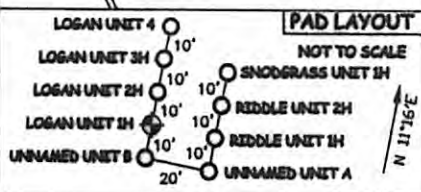
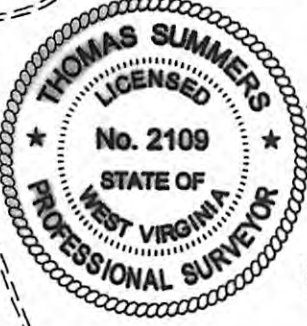
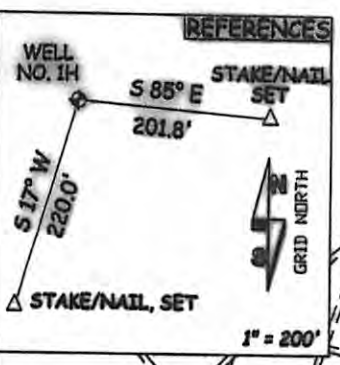
**NOTES:**

WELL 1H TOP HOLE INFORMATION:  
 N: 249,032ft E: 1,593,608ft  
 LAT: 39°10'29.41" LON: 80°56'00.66"

BOTTOM HOLE INFORMATION:  
 N: 252,538ft E: 1,590,480ft  
 LAT: 39°11'03.57" LON: 80°56'41.08"

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: 4,336,190m E: 505,757m  
 BOTTOM HOLE INFORMATION:  
 N: 4,337,242m E: 504,787m



JOB # 12-044

DRAWING # LOGANUNITP1H

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 PRESCRIBED 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

**LEGEND**

Surface Owner Boundary Lines +/-

Interior Surface Tracts +/-

Existing Fences

Found monument, as noted

*Thomas Summers*

THOMAS SUMMERS P.S. 2109

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

DATE 09/28/12

OPERATOR'S WELL # LOGAN UNIT #1H

WELL TYPE: OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL   
 (IF "GAS") PRODUCTION  STORAGE  DEEP  SHALLOW

LOCATION: ELEVATION 1,029' WATERSHED LEFT FORK & RIGHT FORK QUADRANGLE PULLMAN 7.5 DISTRICT UNION COUNTY RITCHIE

SURFACE OWNER JOHN A. & LINDA J. CAMPBELL ACREAGE 43.2 ACRES +/-

OIL & GAS ROYALTY OWNER PATTY W. COX; JOHN CAMPBELL; RUSSELL WILSON ET AL LEASE ACREAGE 43.2 AC±; 45.5 AC±; 96.75AC±; FREEMAN & RHEA CAMPBELL; JOHN M. & JOANNE S. MCKINLEY; CAROLYN & PATRICK LOGAN 7 AC±; 86.74 AC±; 35.98 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 6,800' TVD 11,000' MD

WELL OPERATOR ANTERO RESOURCES APPALACHIAN CORP. DESIGNATED AGENT DIANNA STAMPER  
 ADDRESS 1625 17TH STREET ADDRESS CT CORPORATION SYSTEM  
DENVER, CO 80202 ADDRESS 5400 D BIG TYLER ROAD  
CHARLESTON, WV 25313