

LATITUDE 39°12'30"

4,777'

LONGITUDE 80°55'00"

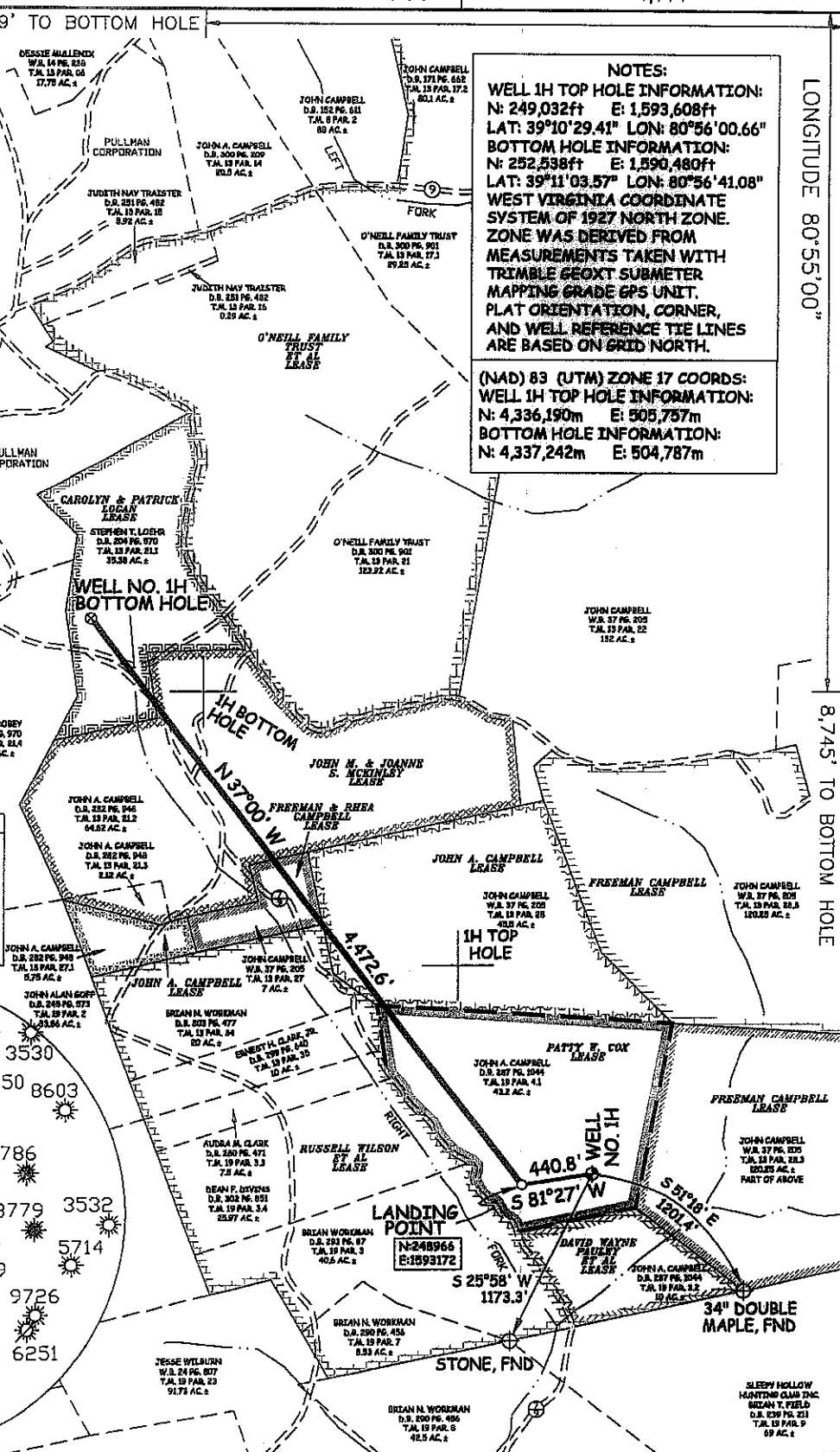
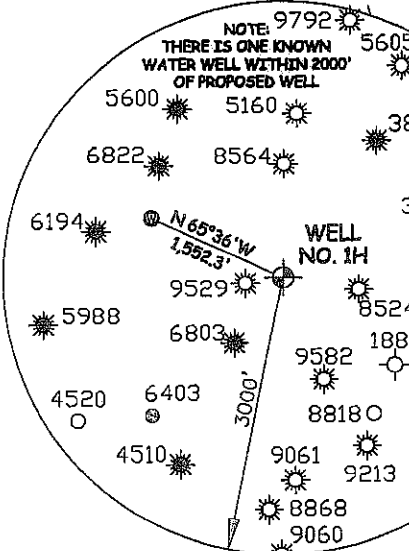
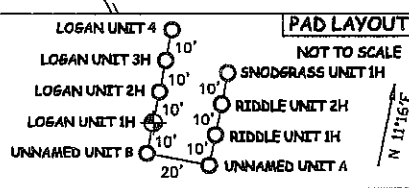
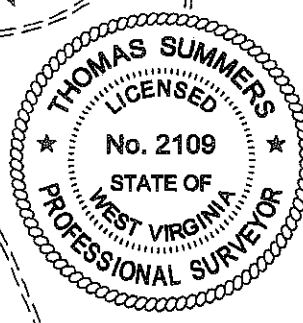
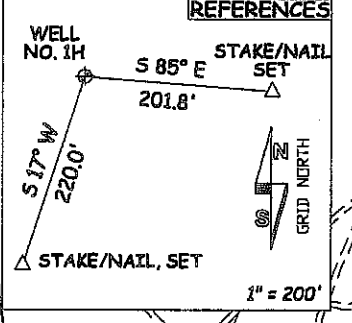
12,201'

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: 252,598ft 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 660XT 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 # LOGANUNIT1H  
 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  
 WELL TYPE: OIL GAS X LIQUID INJECTION WASTE DISPOSAL  
 (IF "GAS") PRODUCTION X STORAGE DEEP SHALLOW X  
 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+; 66.74 AC+; 35.98 AC+  
 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  
 TARGET FORMATION MARCELLUS ESTIMATED DEPTH 6,800' TVD 11,600' MD  
 WELL OPERATOR ANTERO RESOURCES APPALACHIAN CORP. DESIGNATED AGENT DIANNA STAMPER  
 ADDRESS 1625 17TH STREET ADDRESS 5400 D. BIG TYLER ROAD  
 DENVER, CO 80202 CHARLESTON, WV 25313

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

DATE 06/28/12  
 OPERATOR'S WELL# LOGAN UNIT 1H  
 API WELL # 47 - 085 - 09983146A  
 STATE COUNTY PERMIT

LEGEND

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

THOMAS SUMMERS P.S. 2109

DATE 06/28/12

OPERATOR'S WELL# LOGAN UNIT 1H

API WELL # 47 - 085 - 09983146A

STATE COUNTY PERMIT

75-09983



PETRA 6/26/2012 2:25:10 PM

**Antero Resources Corporation**

APPALACHIAN BASIN

Logan Unit 1H  
Ritchie County



REMARKS  
QUADRANGLE: PULLMAN  
WATERSHED: LEFT FORK & RIGHT FORK  
DISTRICT: UNION

Date: 6/26/2012 **09/28/2012**