

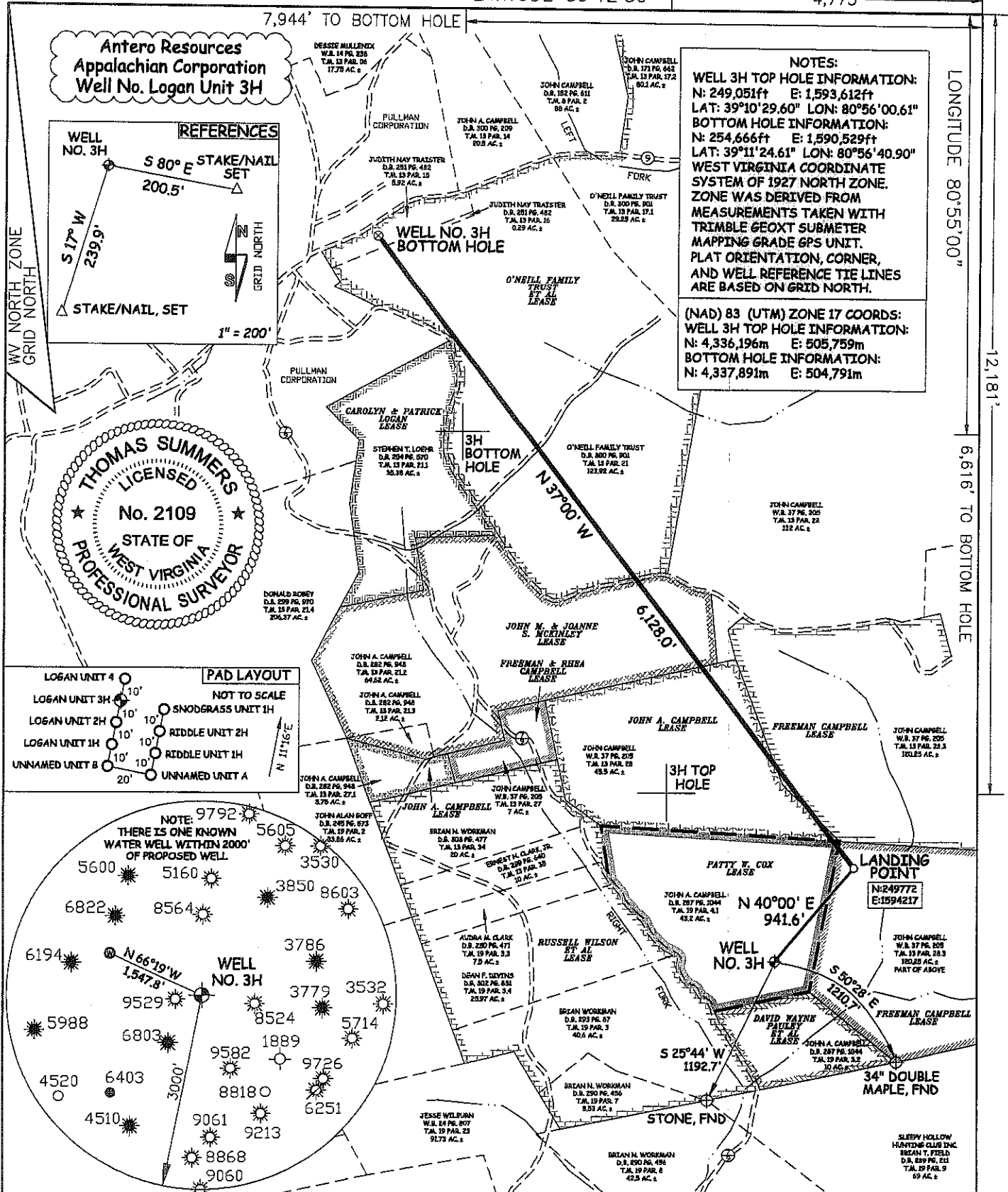
LATITUDE 39°12'30"

4,773'

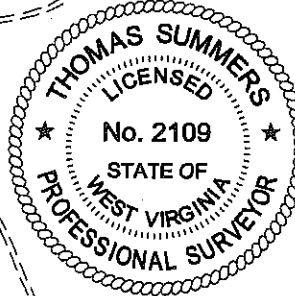
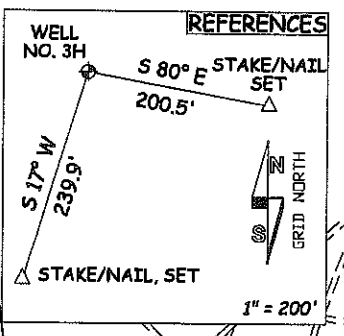
LONGITUDE 80°55'00"

12,181'

6,616' TO BOTTOM HOLE

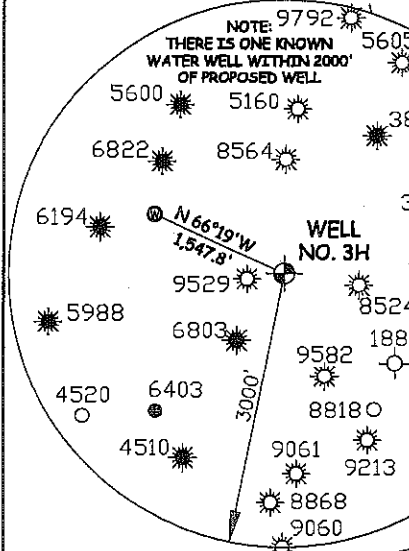
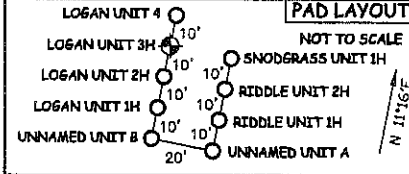


**Antero Resources**  
Appalachian Corporation  
Well No. Logan Unit 3H



**NOTES:**  
WELL 3H TOP HOLE INFORMATION:  
N: 249,051ft E: 1,593,612ft  
LAT: 39°10'29.60" LON: 80°56'00.61"  
BOTTOM HOLE INFORMATION:  
N: 254,666ft E: 1,590,529ft  
LAT: 39°11'24.61" LON: 80°56'40.90"  
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 3H TOP HOLE INFORMATION:  
N: 4,336,196m E: 505,759m  
BOTTOM HOLE INFORMATION:  
N: 4,337,891m E: 504,791m



JOB # 12-044  
DRAWING # LOGANUNITP3H  
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  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; FREEMAN CAMPBELL; JOHN A. CAMPBELL; JOHN M. & JOANNE S. McKINLEY; O'NEILL FAMILY TRUST ET AL LEASE ACREAGE 43.2 AC±; 120.25 AC±; 45.5 AC±; 66.74 AC±; 517.83 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 13,500' MD  
WELL OPERATOR ANTERO RESOURCES APPALACHIAN CORP. DESIGNATED AGENT DIANNA STAMPER  
ADDRESS 1625 17TH STREET ADDRESS CT CORPORATION SYSTEM  
DENVER, CO 80202 CHARLESTON, WV 25309

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 #3H  
API WELL # 47 - 085 - 09982 H6A  
STATE COUNTY PERMIT

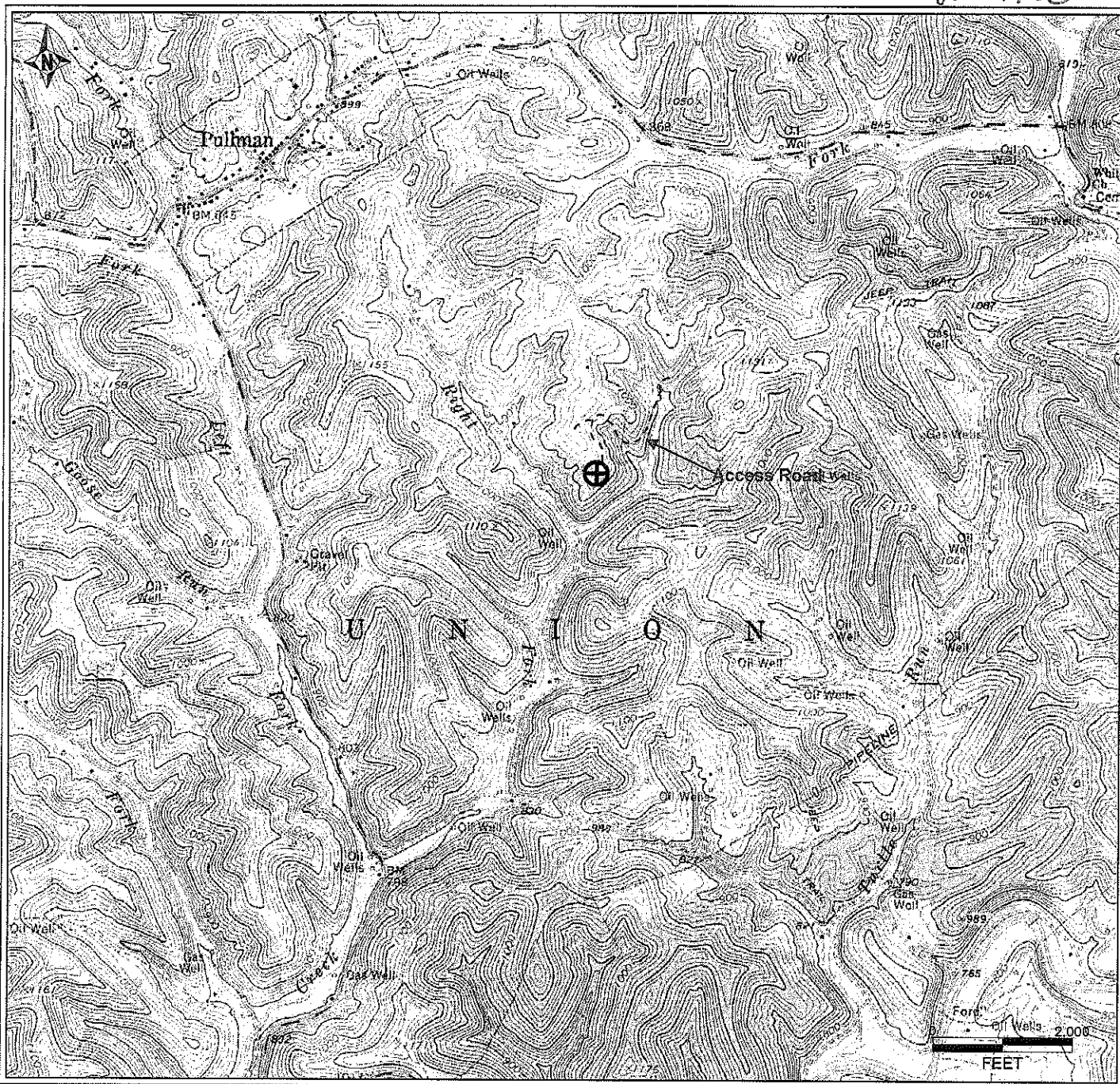
**LEGEND**

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

THOMAS SUMMERS P.S. 2109

COUNTY NAME RITCHIE  
PERMIT 09/28/2012

85-09982



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

Antero Resources Corporation

APPALACHIAN BASIN

Logan Unit 3H  
Ritchie County



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

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