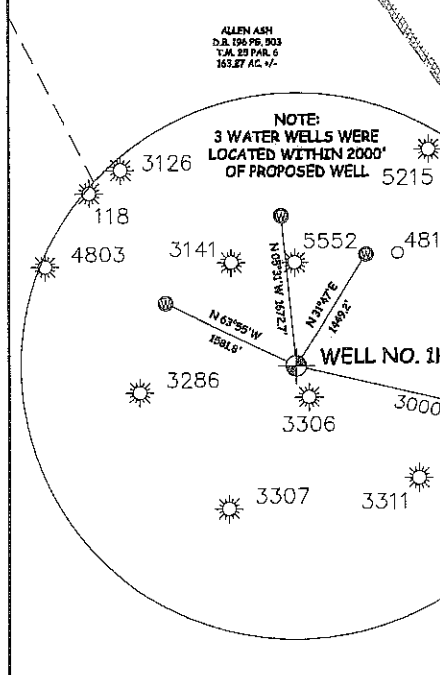
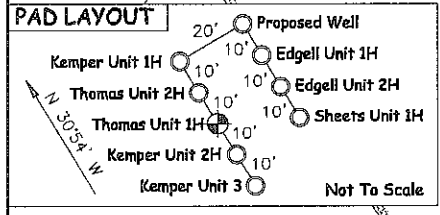


**NOTES:**  
**WELL 1H TOP HOLE INFORMATION:**  
 N: 323,917ft E: 1,700,714ft  
 LAT: 39°23'04.20" LON: 80°33'31.91"  
**BOTTOM HOLE INFORMATION:**  
 N: 318,466ft E: 1,703,733ft  
 LAT: 39°22'10.68" LON: 80°32'52.65"  
**WEST VIRGINIA COORDINATE SYSTEM OF 1927 NORTH ZONE. ZONE WAS DERIVED FROM MEASUREMENTS 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: 4,359,549m E: 538,007m  
**BOTTOM HOLE INFORMATION:**  
 N: 4,357,904m E: 538,954m



JOB # **12-033WA**  
 DRAWING # **THOMASUNIT1H**  
 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 **1,269'** WATERSHED **PIKE FORK**  
 QUADRANGLE **TOP HOLE - FOLSOM 7.5'** BOTTOM HOLE - **SALEM 7.5'** DISTRICT **MCCLELLAN** COUNTY **DODDRIDGE**  
 SURFACE OWNER **DAVID THOMPSON ET AL** ACREAGE **102.5 ACRES +/-**  
 OIL & GAS ROYALTY OWNER **CLARENCE MUTSCHELKNAUS ET AL (21462); ANNA SWIGER ET AL (21464); S. A. SMITH ET AL (21621); CHRISTIAN KERNS ET AL (21245)** LEASE ACREAGE **110 ACRES+;**  
**63.58 ACRES+; 416.39 ACRES+; 100 ACRES+**  
 PROPOSED WORK: DRILL  CONVERT  DRILL DEEPER  REDRILL  FRACTURE OR STIMULATE   
 PLUG OFF OLD FORMATION  PERFORATE NEW FORMATION  OTHER PHYSICAL CHANGE IN WELL (SPECIFY)   
 TARGET FORMATION **MARCELLUS** ESTIMATED DEPTH **7,500' TVD 13,900' MD**  
 WELL OPERATOR **ANTERO RESOURCES APPALACHIAN CORP.** DESIGNATED AGENT **DIANNA STAMPER**  
 ADDRESS **1625 17TH STREET** ADDRESS **CT CORPORATION SYSTEM**  
**DENVER, CO 80202** **5400 D BIG TYLER ROAD**  
**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



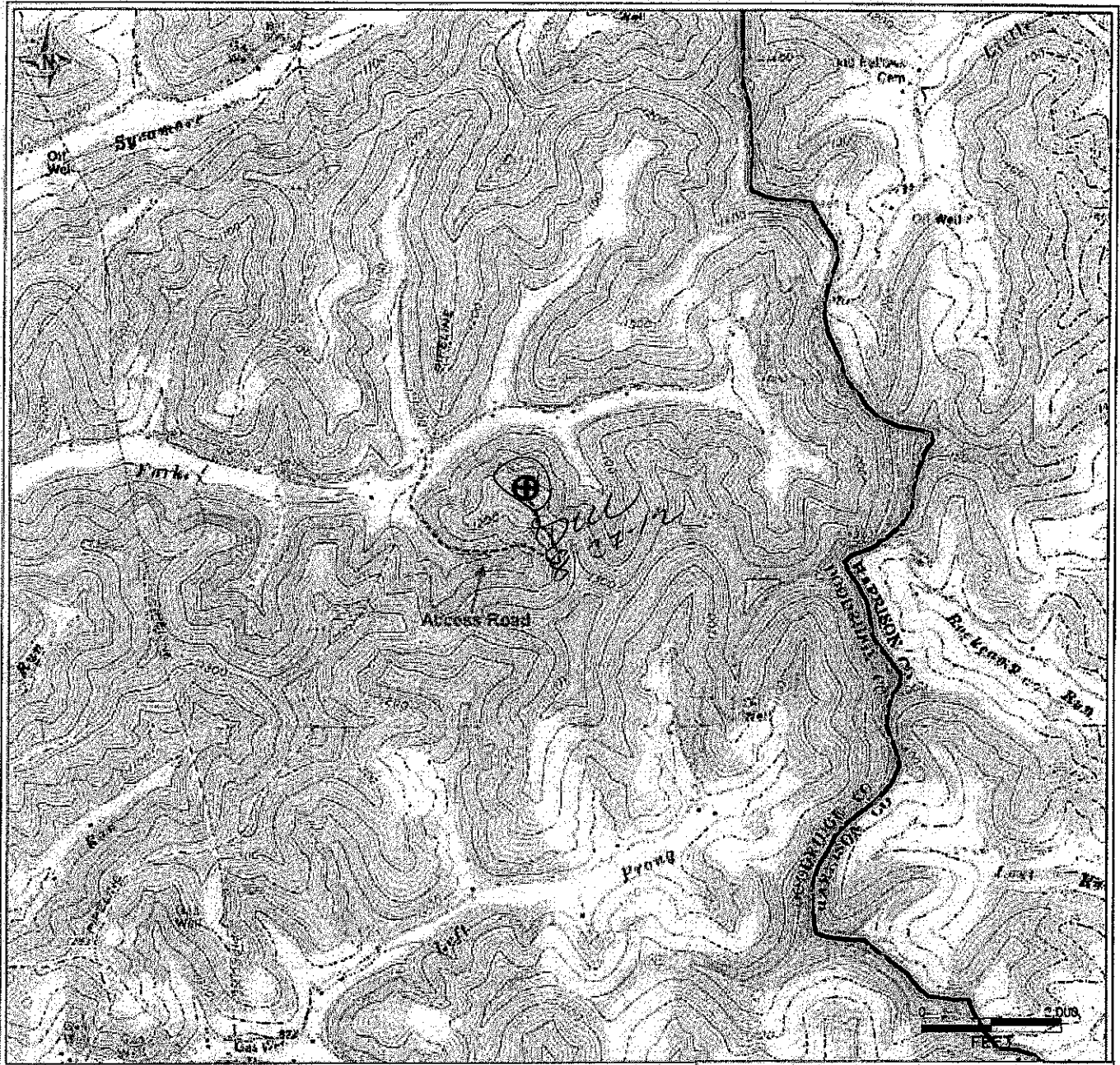
**LEGEND**  
 --- Surface Owner Boundary Lines +/-  
 --- Interior Surface Tracts +/-  
 X Existing Fence  
 Found monument, as noted

*Thomas Summers*  
 THOMAS SUMMERS P.S. 2109

DATE **06/15/12**  
 OPERATOR'S WELL # **THOMAS UNIT #1H**  
 API WELL # **47 - 017 - 062046**  
 STATE **WV** COUNTY **DODDRIDGE** PERMIT

09/28/2012

17-06120



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RECEIVED  
Office of Oil and Gas

AUG 28 2012

WV Department of  
Environmental Protection

Antero Resources Corporation

APPALACHIAN BASIN

Thomas Unit 1H  
Doddridge County



REMARKS  
QUADRANGLE: FOLSOM & SALEM  
WATERSHED: PIKE FORK  
DISTRICT: MCCLELLAN

Date: 8/20/2012

09/28/2012