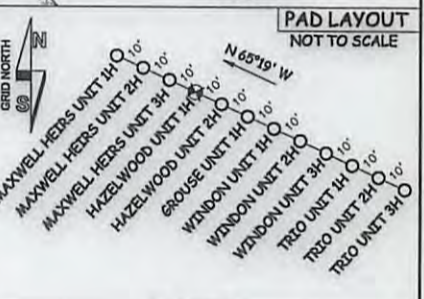
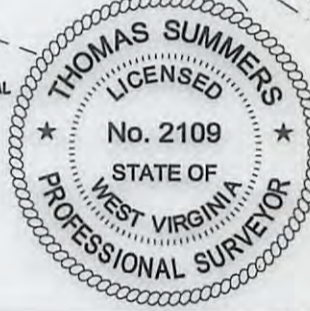
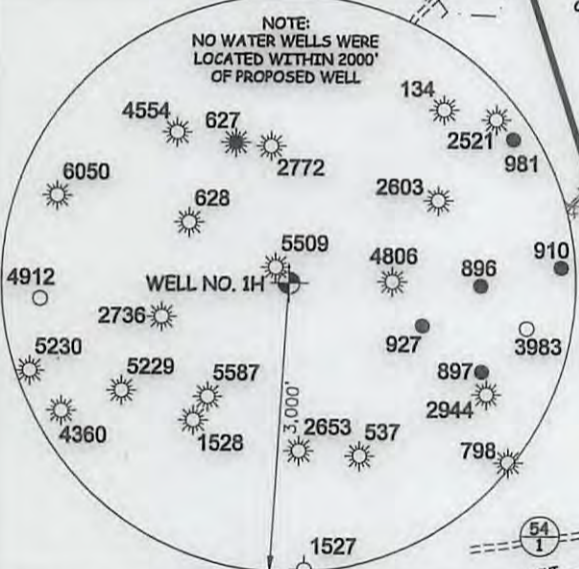
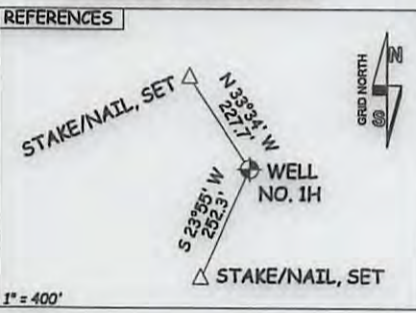


NOTES:
 WELL 1H TOP HOLE INFORMATION:
 N: 264,064ft E: 1,650,956ft
 LAT: 39°13'06.39" LON: 80°43'55.12"
 BOTTOM HOLE INFORMATION:
 N: 255,585ft E: 1,652,392ft
 LAT: 39°11'42.78" LON: 80°43'35.41"
 WEST VIRGINIA COORDINATE SYSTEM OF 1927 NORTH ZONE. ZONE WAS DERIVED FROM MEASUREMENTS TAKEN WITH TRIMBLE 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: 4,341,061m E: 523,152m
 BOTTOM HOLE INFORMATION:
 N: 4,338,485m E: 523,632m

(NAD) 27 (UTM) ZONE 17 COORDS:
 WELL 1H TOP HOLE INFORMATION:
 N: 14,241,584ft E: 1,716,327ft
 POINT OF ENTRY INFORMATION:
 N: 14,241,161ft E: 1,715,216ft
 BOTTOM HOLE INFORMATION:
 N: 14,233,133ft E: 1,717,903ft



JOB # **13-045WA**
 DRAWING # **HAZELWOOD1HR1**
 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 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
 220 MASONIC AVE. PENNSBORO WEST VIRGINIA 26415

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

Thomas Summers
 THOMAS SUMMERS P.S. 2109

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 **1,149' AS BUILT** WATERSHED **HEADWATERS MIDDLE ISLAND CREEK**
 QUADRANGLE **NEW MILTON 7.5'** DISTRICT **NEW MILTON** COUNTY **DODDRIDGE**

DATE **12/19/16**
 OPERATOR'S WELL # **HAZELWOOD UNIT #1H**
 API WELL # **47 - 017 - 06826HLA**
 STATE COUNTY PERMIT

SURFACE OWNER **I.L. MORRIS** ACREAGE **2331.51 ACRES +/-**
 OIL & GAS ROYALTY OWNER **NANCY FOUT ET VIR; AARON S. SCHWARTZMAN ET AL; CHARLES E. MAXWELL ET AL; W.H. DOUGLAS JR ET UX; PAUL ROBINSON ET AL; PAUL ROBINSON ET AL**
 LEASE ACREAGE **88.5 ACRES±; 61 ACRES±; 86 ACRES±; 71.5 ACRES±; 239 ACRES±; 303 ACRES±**
 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 **7,200' TVD 15,400' MD**

DIANNA STAMPER
 CT CORPORATION SYSTEM
 5400 D BIG TYLER ROAD
 CHARLESTON, WV 25313

WELL OPERATOR **ANTERO RESOURCES CORP.** DESIGNATED AGENT **DIANNA STAMPER**
 ADDRESS **1655 WYNKOOP STREET** ADDRESS **5400 D BIG TYLER ROAD**
DENVER, CO 80202 **CHARLESTON, WV 25313**

LATITUDE 39°15'00" → 6,699' → 5,150" TO BOTTOM HOLE → LATITUDE 39°12'30"
 LONGITUDE 80°42'30" → 4,778" TO BOTTOM HOLE → 1,495"
 LONGITUDE 80°42'30"