

LATITUDE 39°17'30"

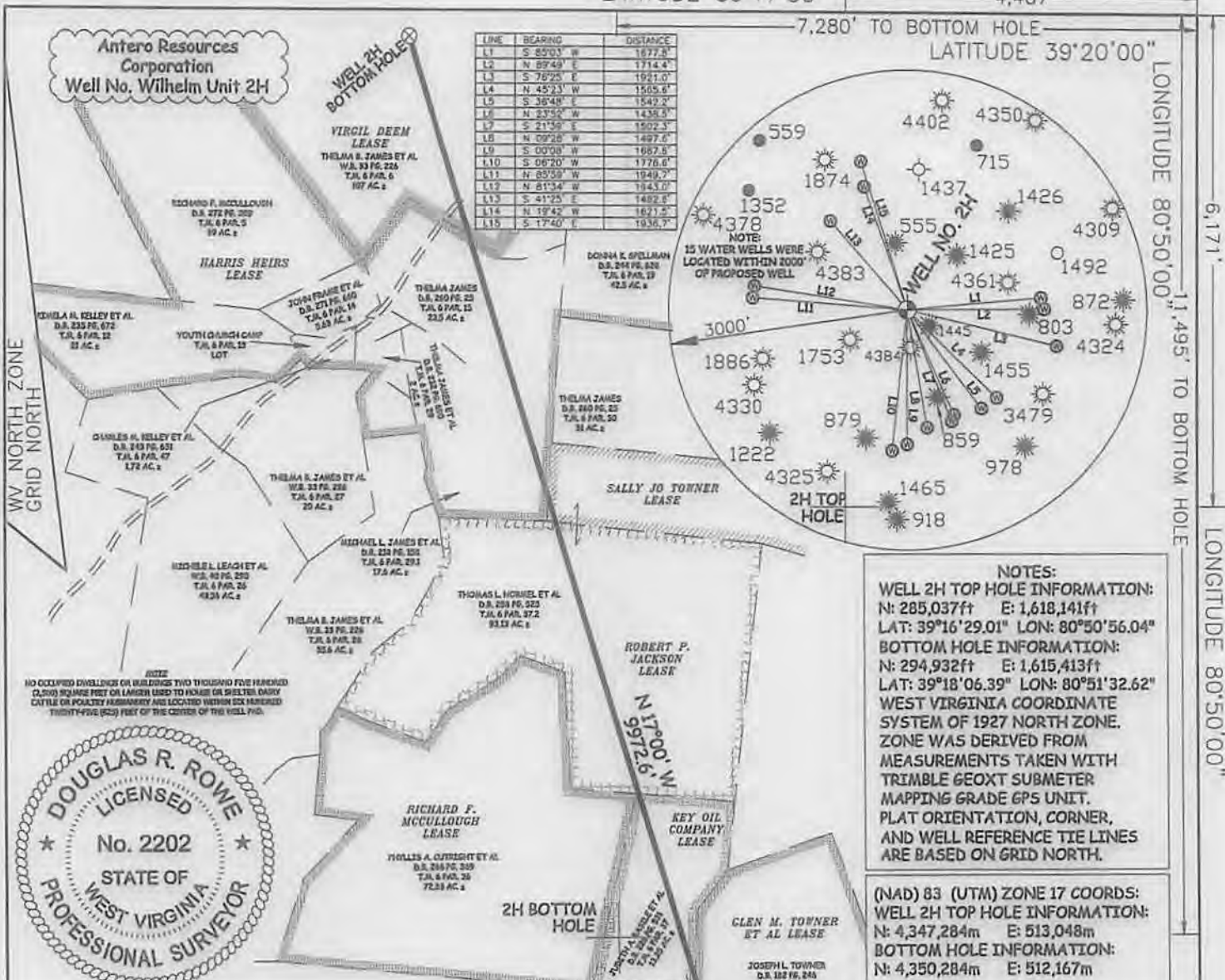
4,407'

LATITUDE 39°20'00"

LONGITUDE 80°50'00"

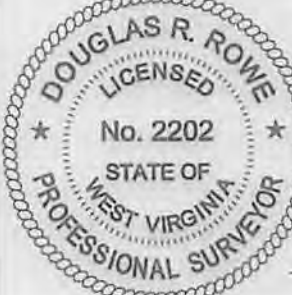
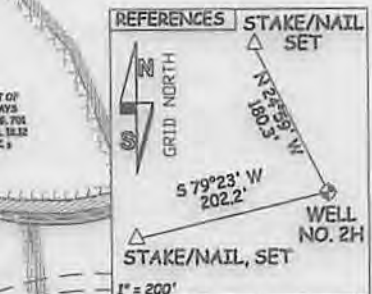
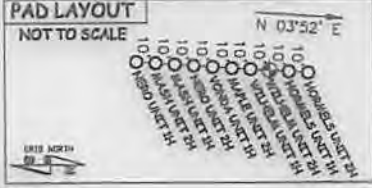
6,171'

LONGITUDE 80°50'00"



**NOTES:**  
**WELL 2H TOP HOLE INFORMATION:**  
 N: 285,037ft E: 1,618,141ft  
 LAT: 39°16'29.01" LON: 80°50'56.04"  
**BOTTOM HOLE INFORMATION:**  
 N: 294,932ft E: 1,615,413ft  
 LAT: 39°18'06.39" LON: 80°51'32.62"  
 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 2H TOP HOLE INFORMATION:**  
 N: 4,347,284m E: 513,048m  
**BOTTOM HOLE INFORMATION:**  
 N: 4,350,284m E: 512,167m



JOB # 12-103WA  
 DRAWING # WILHELM2HR1  
 SCALE 1" = 1000'  
 MINIMUM DEGREE OF ACCURACY SUBMETER  
 PROVEN SOURCE OF ELEV. SUBMETER MAPPING GRADE GPS

**LEGEND**  
 - - - Surface Owner Boundary Lines +/-  
 - - - Interior Surface Tracts +/-  
 X Existing Fence  
 Iron Rod, Found

DOUGLAS R. ROWE P.S. 2202

DATE 07/10/14  
 OPERATOR'S WELL # WILHELM UNIT #2H  
 API WELL # 47 - 017 - 06554  
 STATE COUNTY PERMIT

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.

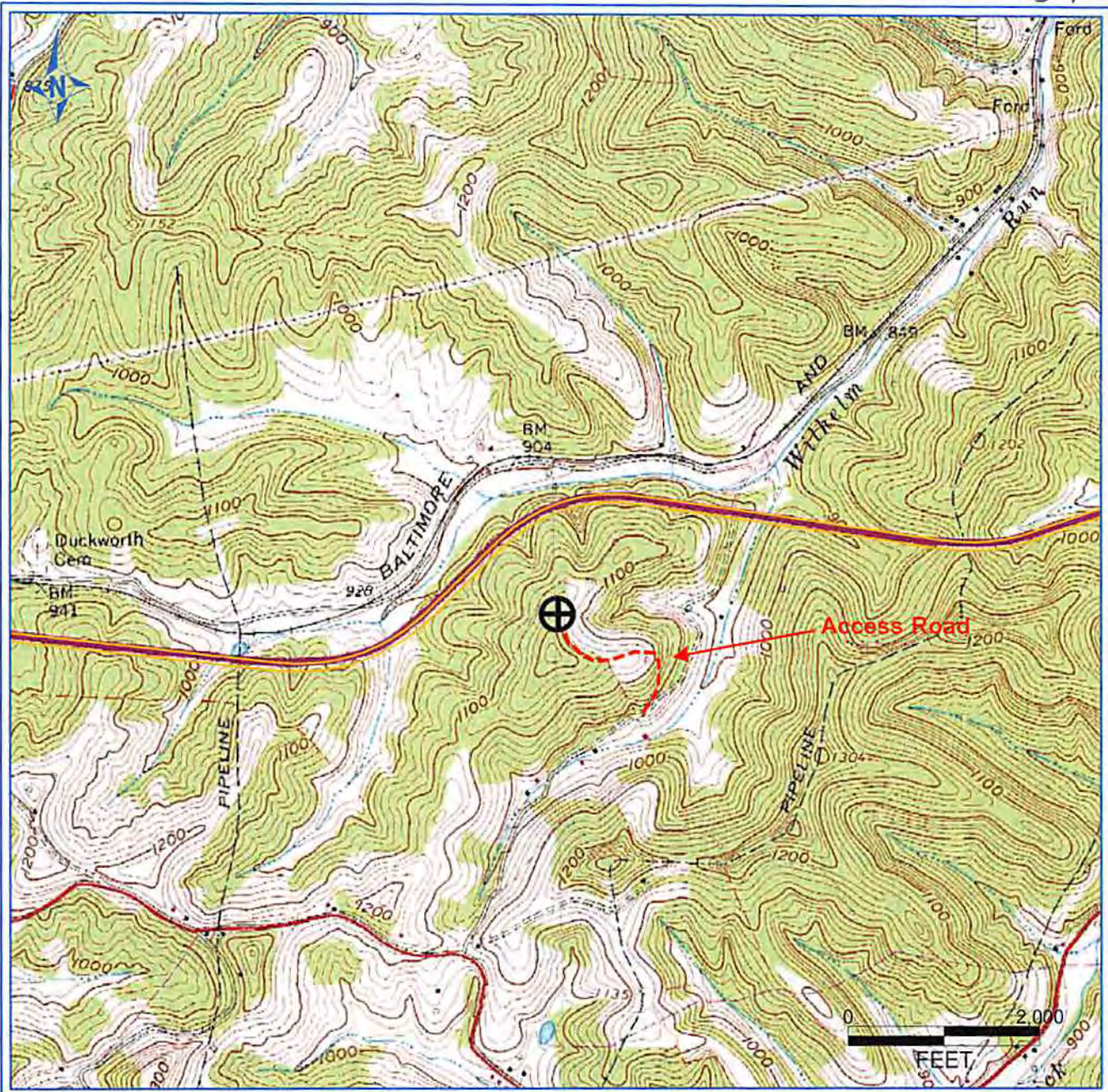


STATE OF WEST VIRGINIA, DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS  
 WILLOW LAND SURVEYING PLLC  
 220 MASONIC AVE. PENNSBORO WEST VIRGINIA 26415

STATE OF WEST VIRGINIA DEPT. 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 1,164' WATERSHED TRIBUTARY OF WILHELM RUN  
 QUADRANGLE WEST UNION 7.5' DISTRICT CENTRAL COUNTY DODDRIDGE  
 SURFACE OWNER MARY F. BROWN ACREAGE 49.43 ACRES +/-  
 OIL & GAS ROYALTY OWNER MARY F. BROWN; EDNA R. BRITTON ET AL.; PATRICK A. WRIGHT; WYSRA; THELMA PRIMM ET AL.; LEASE ACREAGE 55.85 AC.; 95 AC.; 222 AC.; 301.19 ACRES.; 76.04 AC.; GLEN TOWNER ET AL.; KEY OIL COMPANY; RICHARD F. MCCULLOUGH; ROBERT P. JACKSON; SALLY JO TOWNER; HARRIS HEIRS; VIRGIL DEEM 68.23 AC.; 17 AC.; 72.83 AC.; 94 AC.; 22.9 AC.; 107 AC.; 107 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 7,100' TVD 18,300' MD  
 WELL OPERATOR ANTERO RESOURCES CORP. DESIGNATED AGENT DIANNA STAMPER  
 ADDRESS 1615 WYNKOOP STREET ADDRESS 5400 D BIG TYLER ROAD  
 DENVER, CO 80202 CHARLESTON, WV 25313

09/26/2014

17-06554



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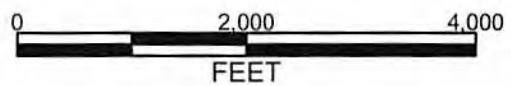
RECEIVED  
 Office of Oil and Gas  
 JUL 14 2014  
 WV Department of  
 Environmental Protection

### Antero Resources Corporation

APPALACHIAN BASIN

Wilhelm Unit 2H

Doddridge County



REMARKS

QUADRANGLE: WEST UNION  
 WATERSHED: TRIB. OF WILHELM RUN  
 DISTRICT: CENTRAL

Date: 11/29/2012