

LATITUDE 39°15'00"

1,928'

9,157' TO BOTTOM HOLE

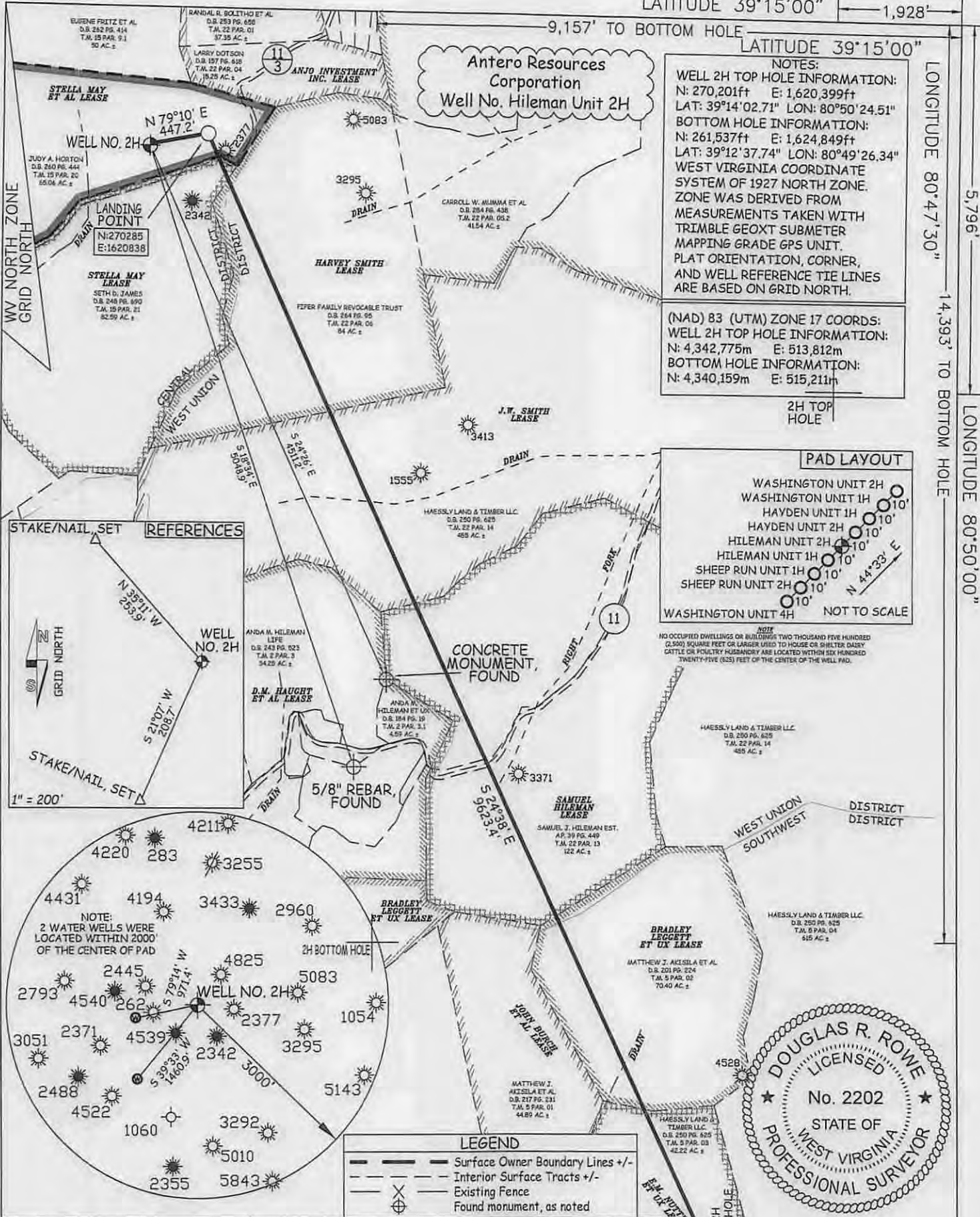
LATITUDE 39°15'00"

LONGITUDE 80°47'30"

5,796'

14,393' TO BOTTOM HOLE

LONGITUDE 80°50'00"

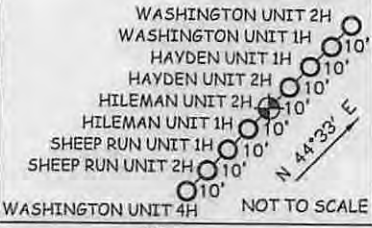


NOTES:  
 WELL 2H TOP HOLE INFORMATION:  
 N: 270,201ft E: 1,620,399ft  
 LAT: 39°14'02.71" LON: 80°50'24.51"  
 BOTTOM HOLE INFORMATION:  
 N: 261,537ft E: 1,624,849ft  
 LAT: 39°12'37.74" LON: 80°49'26.34"  
 WEST VIRGINIA COORDINATE SYSTEM OF 1927 NORTH ZONE. ZONE WAS DERIVED FROM MEASUREMENTS TAKEN 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: 4,342,775m E: 513,812m  
 BOTTOM HOLE INFORMATION:  
 N: 4,340,159m E: 515,211m

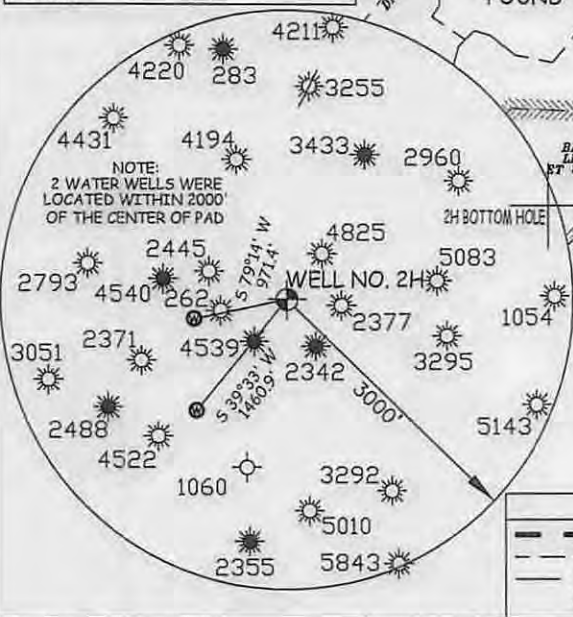
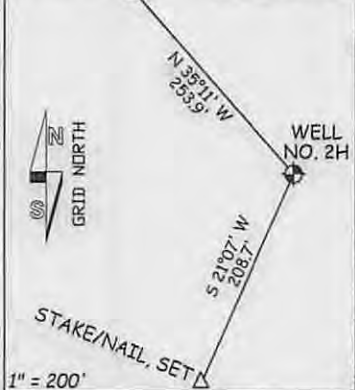
2H TOP HOLE

PAD LAYOUT



NOTE  
 NO OCCUPIED DWELLINGS OR BUILDINGS TWO THOUSAND FIVE HUNDRED (2,500) SQUARE FEET OR LARGER USED TO HOUSE OR SHELTER DAIRY CATTLE OR POULTRY RUMSANGRY ARE LOCATED WITHIN SIX HUNDRED TWENTY-FIVE (625) FEET OF THE CENTER OF THE WELL PAD.

STAKE/NAIL SET REFERENCES



JOB # 14-087WA  
 DRAWING # HILEMAN2HR  
 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.

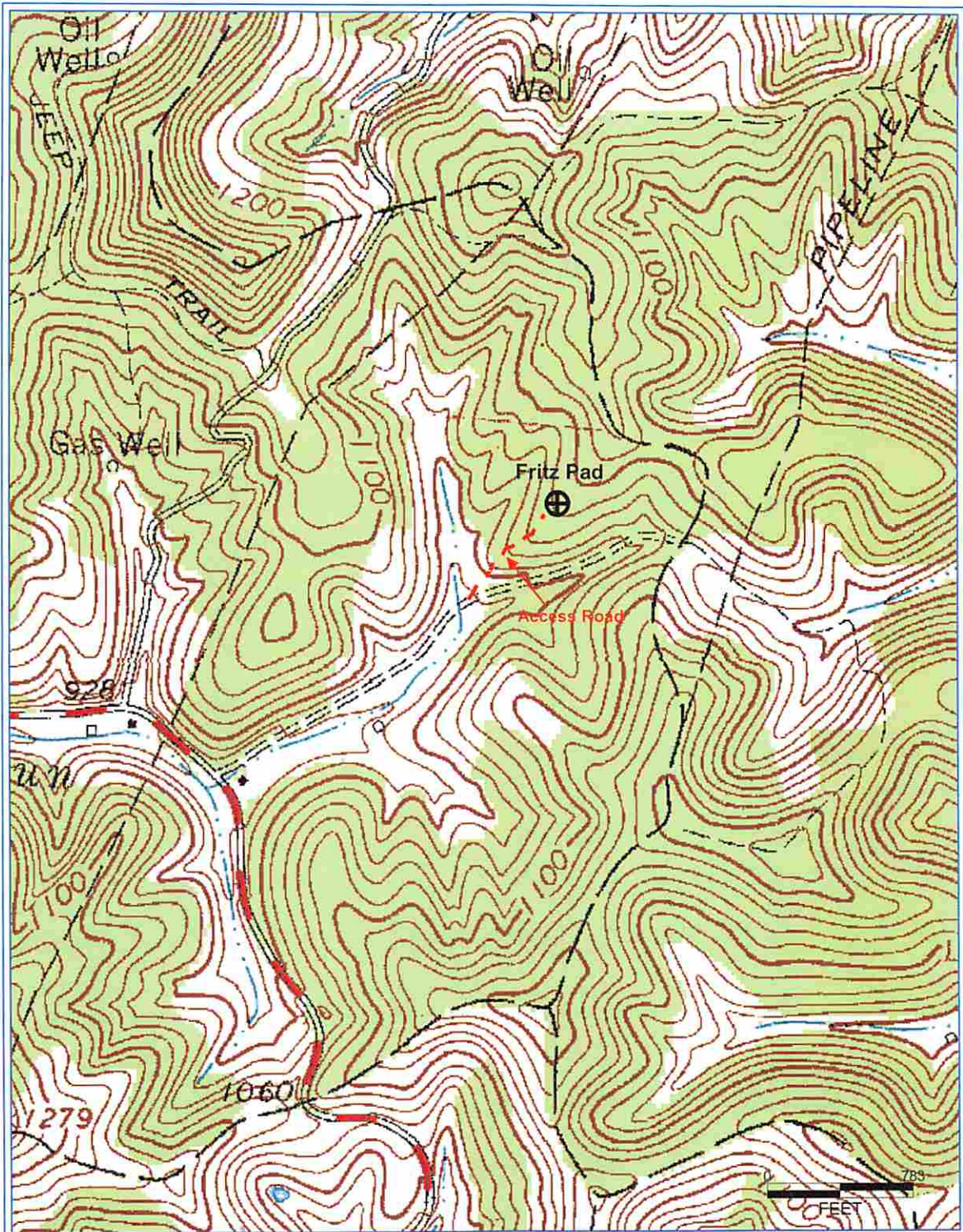


STATE OF WEST VIRGINIA, DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS  
 WILLOW LAND SURVEYING PLLC  
 220 MASONIC AVE. PENNSBORO WEST VIRGINIA 26415

DOUGLAS R. ROWE P.S. 2202

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

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 1,053' WATERSHED TRIBUTARY OF CABIN RUN  
 QUADRANGLE OXFORD 7.5 DISTRICT CENTRAL COUNTY DODDRIDGE  
 SURFACE OWNER JUDY A. HORTON ACREAGE 65.06 ACRES +/-  
 OIL & GAS ROYALTY OWNER STELLA MAY ET AL; STELLA MAY; HARVEY SMITH; J.W. SMITH; SAMUEL HILEMAN; BRADLEY LEGGETT ET UX; E.M. NUTTER ET UX LEASE ACREAGE 125.5 ACRES±; 83 ACRES±; 450 ACRES±; 486 ACRES±; 122 ACRES±; 70.4 ACRES±; 42.36 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 17,900' 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



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Received

OCT 24 2014

Office of Oil and Gas  
WV Dept. of Environmental Protection

**Antero Resources Corporation**  
Appalachian Basin  
Hileman Unit 2H  
Doddridge County  
Quadrangle: Oxford 7.5'  
Watershed: Tributary of Cabin Run  
District: Central  
Date: 8-7-2013