

LATITUDE 39°15'00" 1,935'

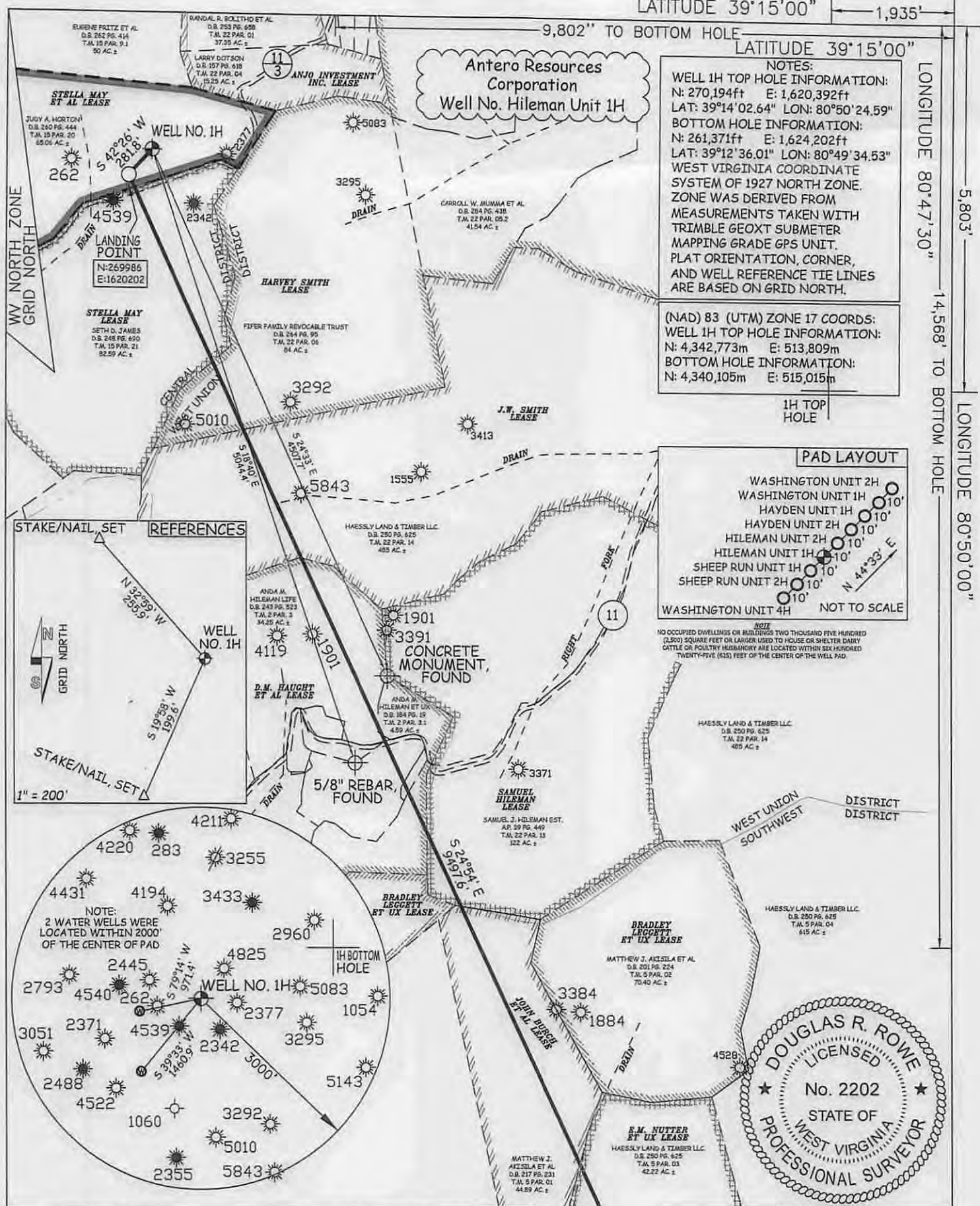
9,802" TO BOTTOM HOLE

LATITUDE 39°15'00"

LONGITUDE 80°47'30"

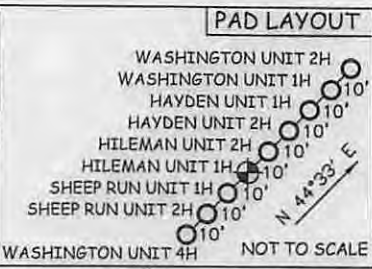
5,803' LONGITUDE 80°50'00"

14,568' TO BOTTOM HOLE

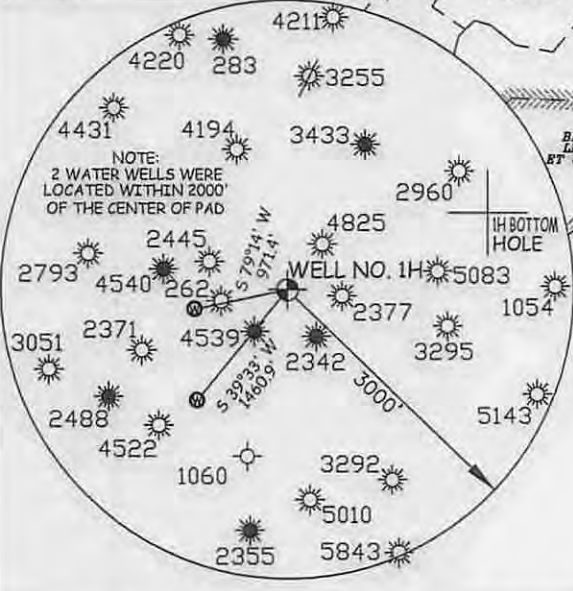
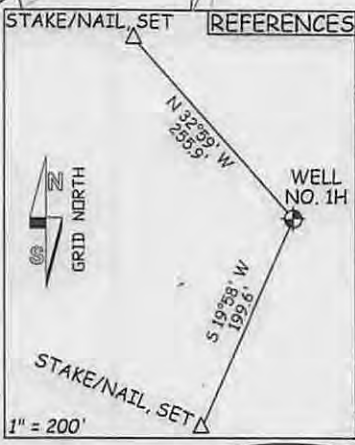


NOTES:
 WELL 1H TOP HOLE INFORMATION:
 N: 270,194ft E: 1,620,392ft
 LAT: 39°14'02.64" LON: 80°50'24.59"
 BOTTOM HOLE INFORMATION:
 N: 261,371ft E: 1,624,202ft
 LAT: 39°12'36.01" LON: 80°49'34.53"
 WEST VIRGINIA COORDINATE SYSTEM OF 1927 NORTH ZONE. ZONE WAS DERIVED FROM MEASUREMENTS TAKEN WITH TRIMBLE 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: 4,342,773m E: 513,809m
 BOTTOM HOLE INFORMATION:
 N: 4,340,105m E: 515,015m



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 HUSBANDRY ARE LOCATED WITHIN SIX HUNDRED TWENTY-FIVE (625) FEET OF THE CENTER OF THE WELL PAD.



JOB # 14-087WA
 DRAWING # HILEMAN1HR
 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.

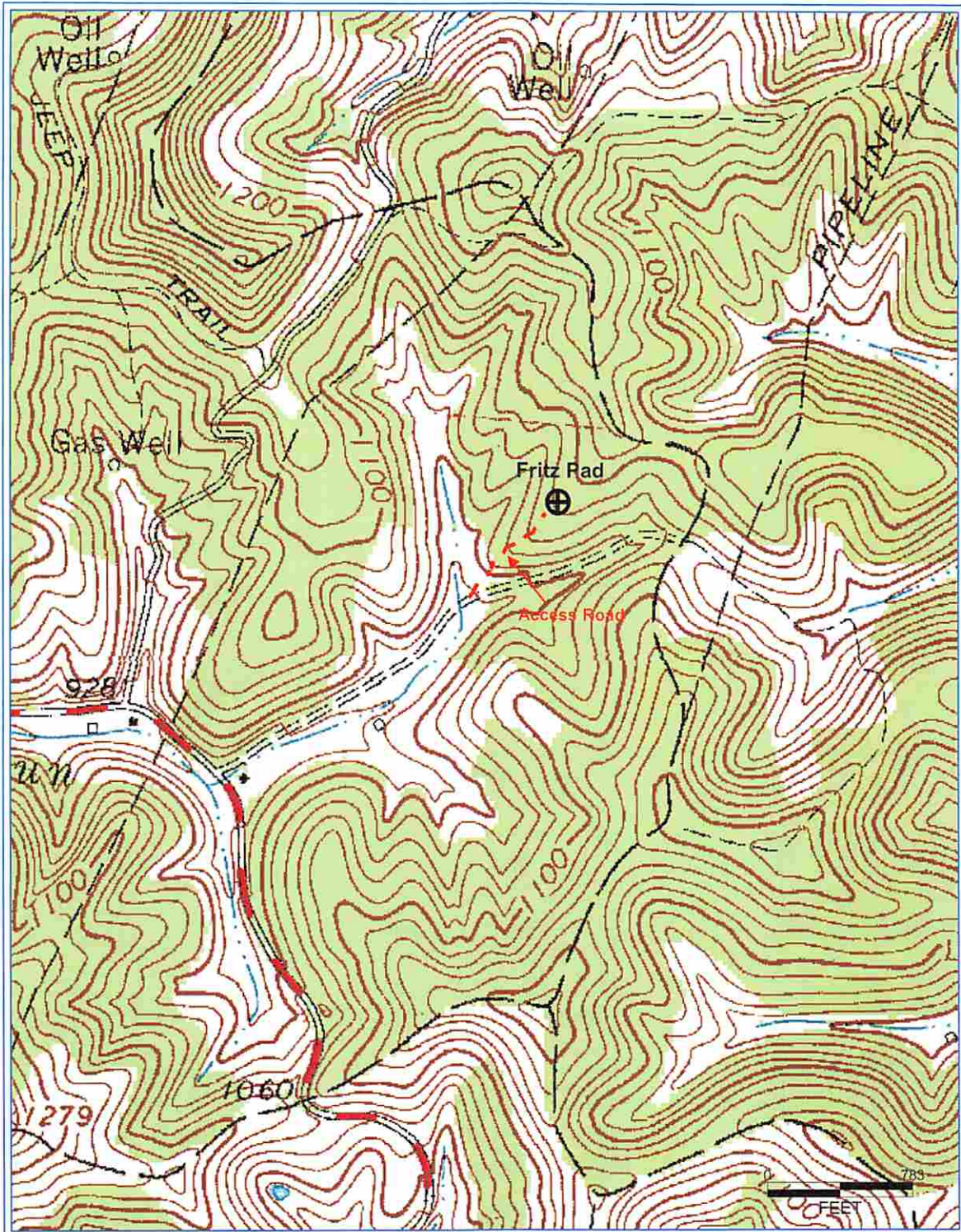


STATE OF WEST VIRGINIA, DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
 WILLOW LAND SURVEYING PLLC
 220 MASONIC AVE. PENNSBORO WEST VIRGINIA 26415

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

DOUGLAS R. ROWE P.S. 2202
 DATE 10/14/14
 OPERATOR'S WELL# HILEMAN UNIT #1H
 API WELL # 47 - 017 - 06659
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA DEPARTMENT 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 1,053' 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; D.M. HAUGHT ET AL; SAMUEL HILEMAN; JOHN BURCH ET AL; E.M. NUTTER ET UX 450 ACRES±; 486 ACRES±; 132 ACRES±; 122 ACRES±; 46 ACRES±; 42.36 ACRES±
 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 7,200' TVD 17,700' 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 1H
Doddridge County
Quadrangle: Oxford 7.5'
Watershed: Tributary of Cabin Run
District: Central
Date: 8-7-2013