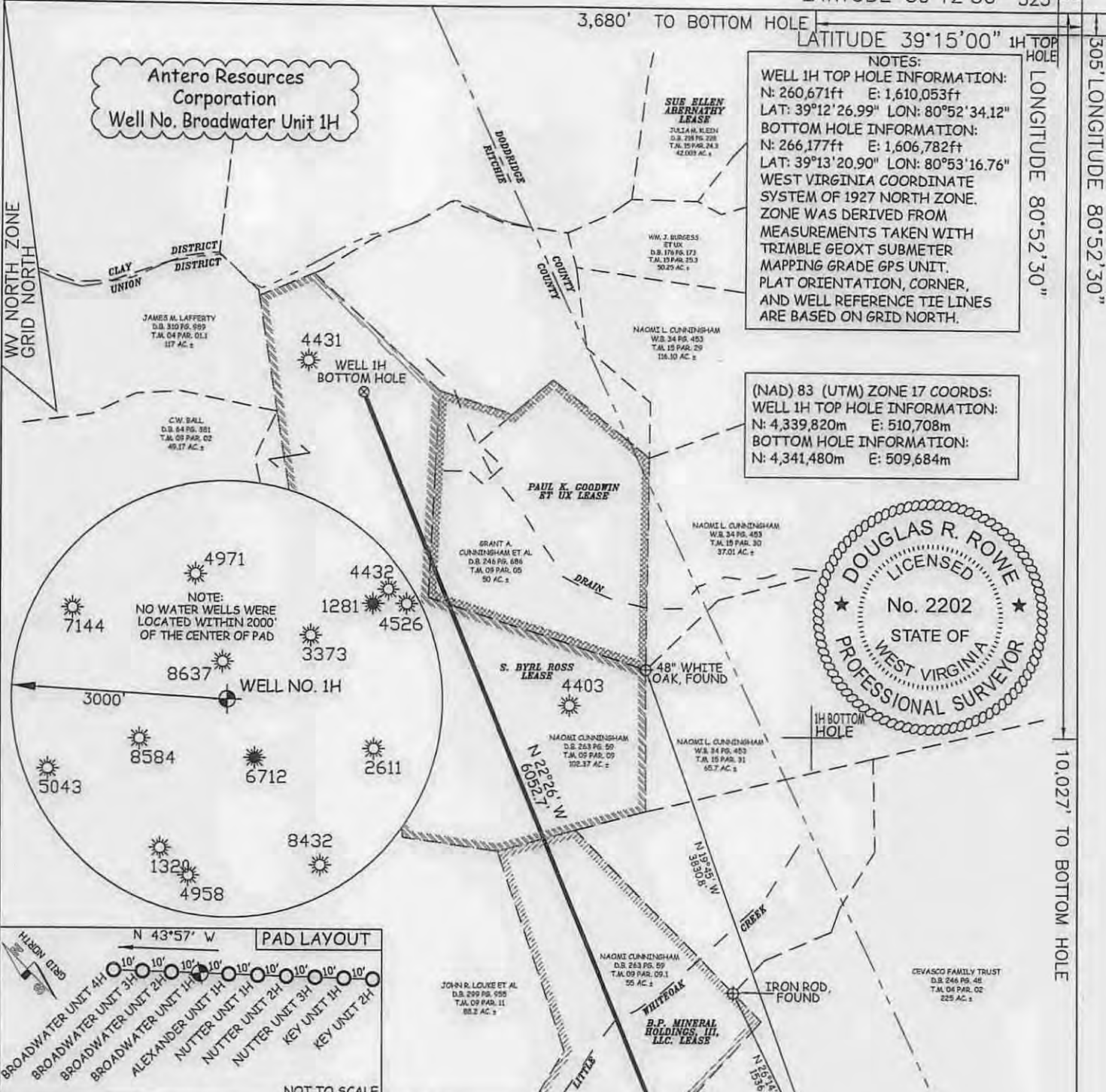


LATITUDE 39°12'30" 325'

LATITUDE 39°15'00" 1H TOP HOLE

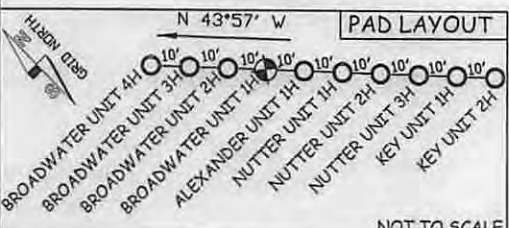
305' LONGITUDE 80°52'30"

10,027' TO BOTTOM HOLE



NOTES:  
 WELL 1H TOP HOLE INFORMATION:  
 N: 260,671ft E: 1,610,053ft  
 LAT: 39°12'26.99" LON: 80°52'34.12"  
 BOTTOM HOLE INFORMATION:  
 N: 266,177ft E: 1,606,782ft  
 LAT: 39°13'20.90" LON: 80°53'16.76"  
 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.

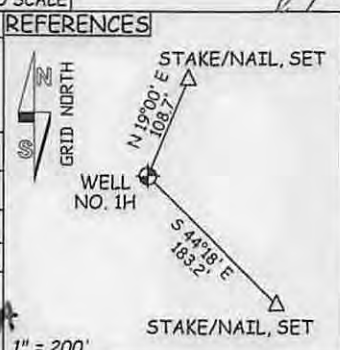
(NAD) 83 (UTM) ZONE 17 COORDS:  
 WELL 1H TOP HOLE INFORMATION:  
 N: 4,339,820m E: 510,708m  
 BOTTOM HOLE INFORMATION:  
 N: 4,341,480m E: 509,684m



**LEGEND**

- Surface Owner Boundary Lines +/-
- Interior Surface Tracts +/-
- X- Existing Fence
- ⊕ Iron Pipe, Found

DOUGLAS R. ROWE P.S. 2202  
 DATE 11/04/14  
 OPERATOR'S WELL# BROADWATER UNIT #1H  
 API WELL # 47 - 085 - 10186 N/A  
 STATE COUNTY PERMIT



JOB # 14-102WA  
 DRAWING # BROADWATER1H  
 SCALE 1" = 1000'  
 MINIMUM DEGREE OF ACCURACY SUBMETER  
 PROVEN SOURCE OF ELEV. SUBMETER MAPPING GRADE GPS



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

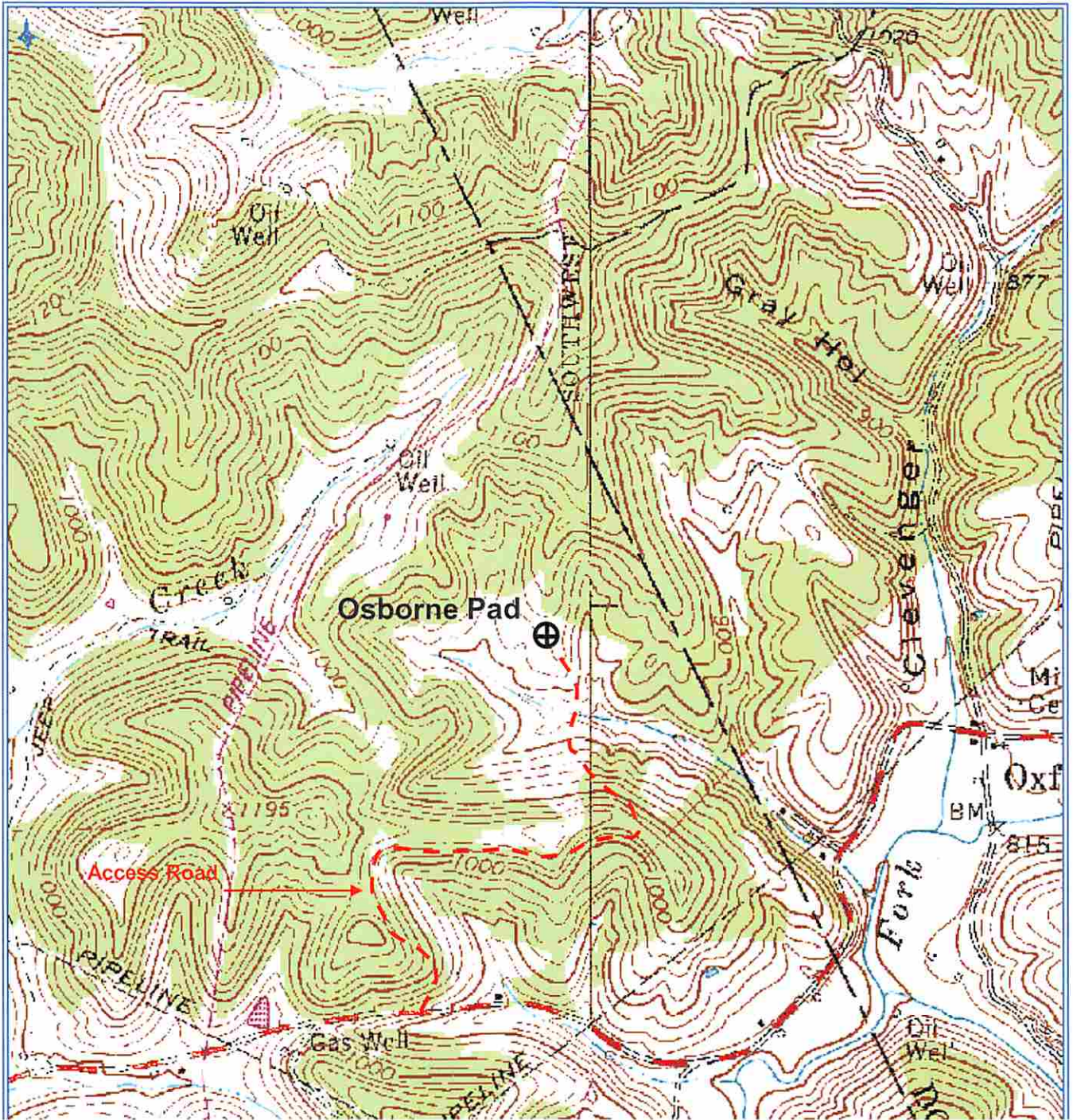
I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE RULES ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.

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 923' WATERSHED TRIBUTARY OF SOUTH FORK HUGHES RIVER  
 QUADRANGLE PULLMAN 7.5' DISTRICT UNION COUNTY RITCHIE

SURFACE OWNER MARVIN W. OSBOURNE ACREAGE 28.75 ACRES +/-  
 OIL & GAS ROYALTY OWNER LARRY G. BROADWATER; B.P. MINERAL HOLDINGS, III, LLC.; LEASE ACREAGE 98.75 ACRES±; 55 ACRES±; S. BYRL ROSS; PAUL K. GOODWIN ET UX 103 ACRES±; 50 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 6,700' TVD 13,300' MD  
 WELL OPERATOR ANTERO RESOURCES CORP. DESIGNATED AGENT DIANNA STAMPER  
 ADDRESS 1615 WYNKOOP STREET ADDRESS 5400 D BIG TYLER ROAD  
 FORM WW-6 DENVER, CO 80202 CHARLESTON, WV 25313

02/27/2015





**Antero Resources Corporation**

Appalachian Basin  
Broadwater Unit 1H  
Ritchie County

Quadrangle: Pullman  
Watershed: South Fork Hughes River  
District: Union  
Date: 11-12-14

RECEIVED  
Office of Oil and Gas

NOV 25 2014

WV Department of  
Environmental Protection