

LATITUDE 39°22'30"

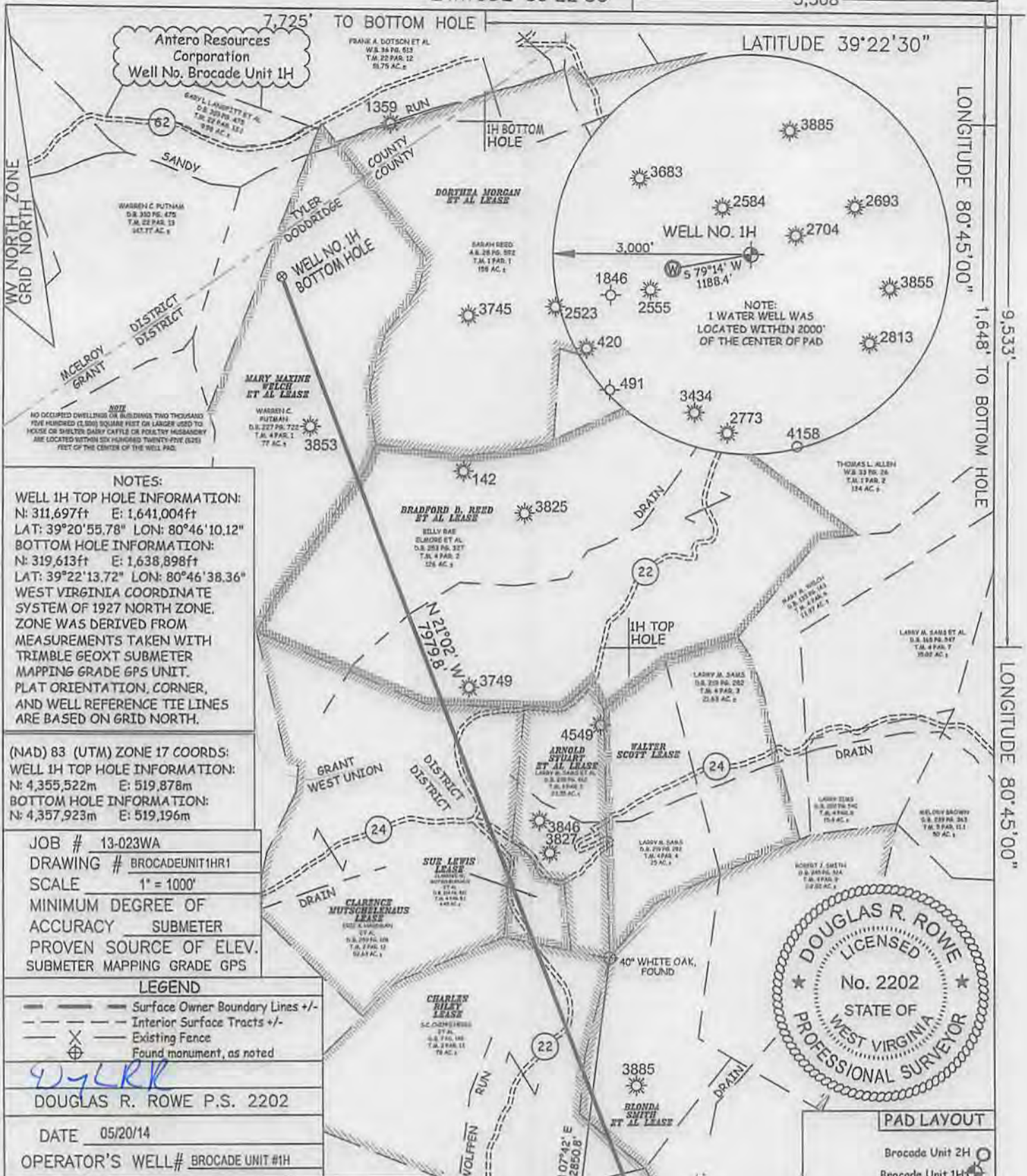
5,508'

LATITUDE 39°22'30"

LONGITUDE 80°45'00"

1,648'

LONGITUDE 80°45'00"



NOTES:
 WELL 1H TOP HOLE INFORMATION:
 N: 311,697ft E: 1,641,004ft
 LAT: 39°20'55.78" LON: 80°46'10.12"
 BOTTOM HOLE INFORMATION:
 N: 319,613ft E: 1,638,898ft
 LAT: 39°22'13.72" LON: 80°46'38.36"
 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: 4,355,522m E: 519,878m
 BOTTOM HOLE INFORMATION:
 N: 4,357,923m E: 519,196m

JOB # 13-023WA
 DRAWING # BROCADEUNIT1HR1
 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
 ⊕ Found monument, as noted

DOUGLAS R. ROWE P.S. 2202

DATE 05/20/14
 OPERATOR'S WELL # BROCADE UNIT #1H

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.

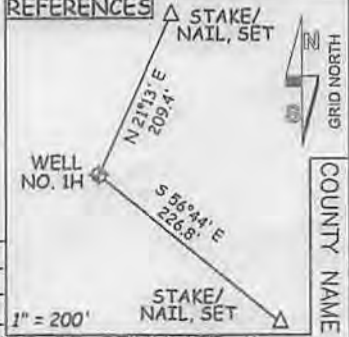
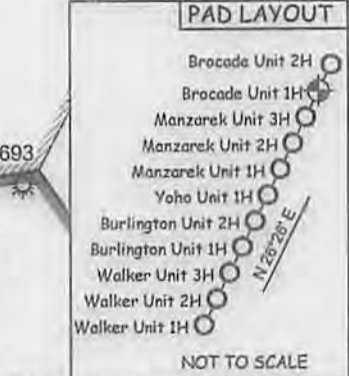


STATE OF WEST VIRGINIA, DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS

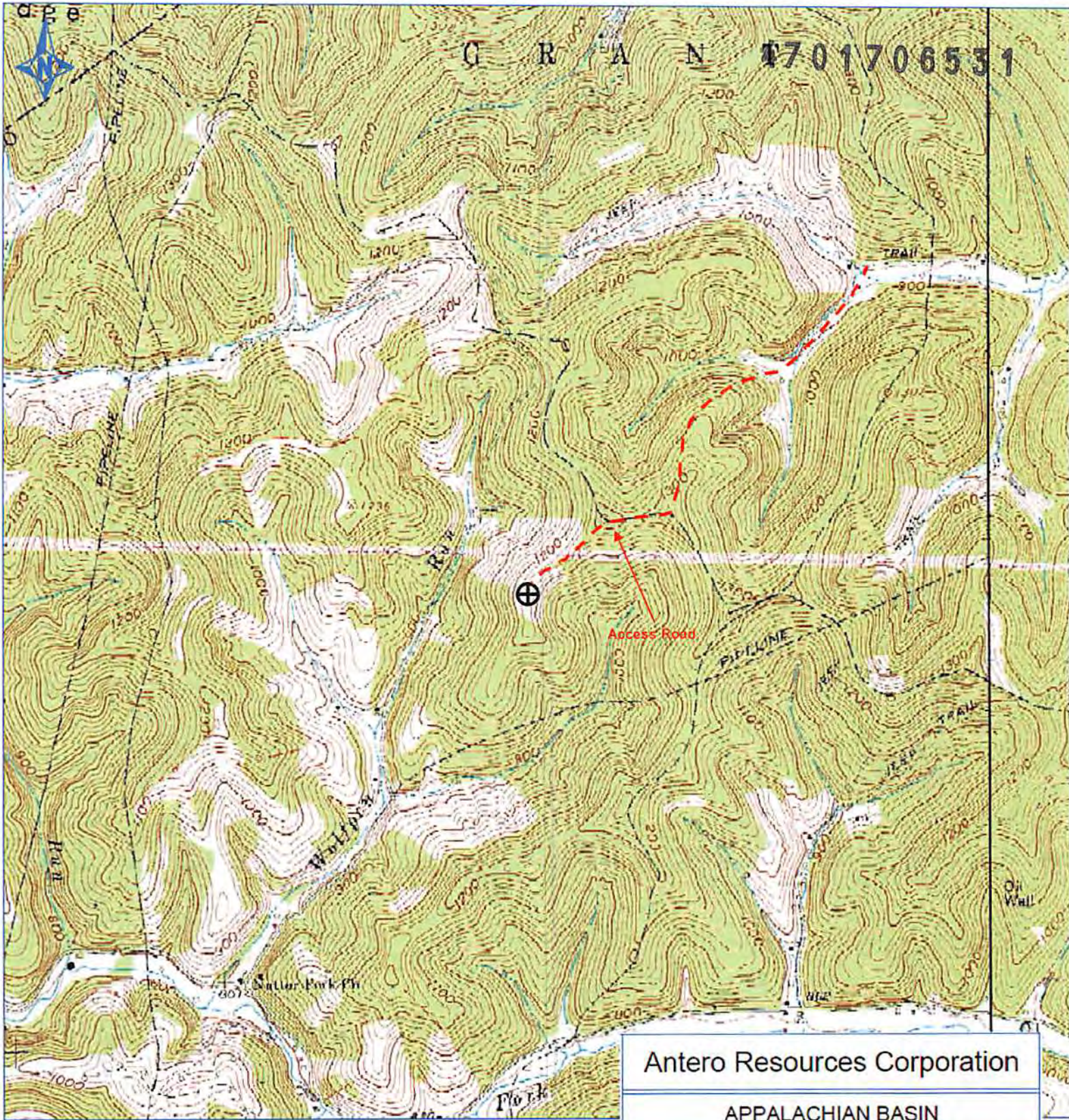
WILLOW LAND SURVEYING PLLC
 220 MASONIC AVE. PENNSBORO WEST VIRGINIA 26415

STATE OF WEST VIRGINIA DEPARTMENT OF ENERGY DIVISION OF OIL AND GAS
 API WELL # 47-017-06531
 STATE COUNTY PERMIT
 WELL TYPE: OIL GAS X LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS") PRODUCTION X STORAGE DEEP SHALLOW X
 LOCATION: ELEVATION 1,227 WATERSHED WOLFFPEN RUN
 QUADRANGLE WEST UNION 7.5 DISTRICT WEST UNION COUNTY DODDRIDGE
 SURFACE OWNER YVONNE R. FOSTER ACREAGE 125.48 ACRES +/-
 OIL & GAS ROYALTY OWNER FREEMAN PAUL SMITH ET AL; CHARLES RILEY; BLONDA SMITH ET AL; SUE LEWIS;
 CLARENCE MUTSCHELKNAUS; BRADFORD D. REED ET AL; MARY MAXINE WELCH ET AL
 LEASE ACREAGE 125 AC±; 78 AC±; 114 AC±; 4.45 AC±; 92.63 AC±; 126 AC±; 78.973 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)
 TARGET FORMATION MARCELLUS ESTIMATED DEPTH 7,200' TVD 16,200' MD
 WELL OPERATOR ANTERO RESOURCES CORP. DESIGNATED AGENT CT CORPORATION SYSTEM-DIANNA STAMPER
 ADDRESS 1615 WYNKOOP STREET ADDRESS 5400 D BIG TYLER ROAD
 FORM WW-6 DENVER, CO 80202 CHARLESTON, WV 25313



09/05/2014



Antero Resources Corporation	
APPALACHIAN BASIN	
Brocade Unit 1H	
Doddridge County	
RECEIVED	REMARKS
Office of Gas	Quadrangle: West Union Watershed: Wolfpen District: West Union
JUN 02 2014	
0 2,000 4,000 FEET	
WV Department of Environmental Protection	
May 20, 2014	