

LATITUDE 39°12'30" 339'

2,333' TO BOTTOM HOLE
LATITUDE 39°15'00" 3H TOP HOLE

LONGITUDE 80°52'30"

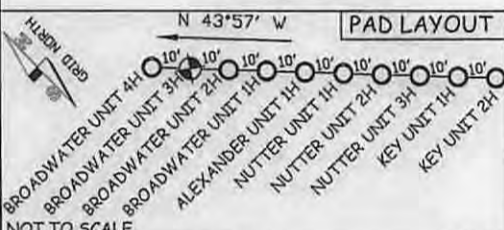
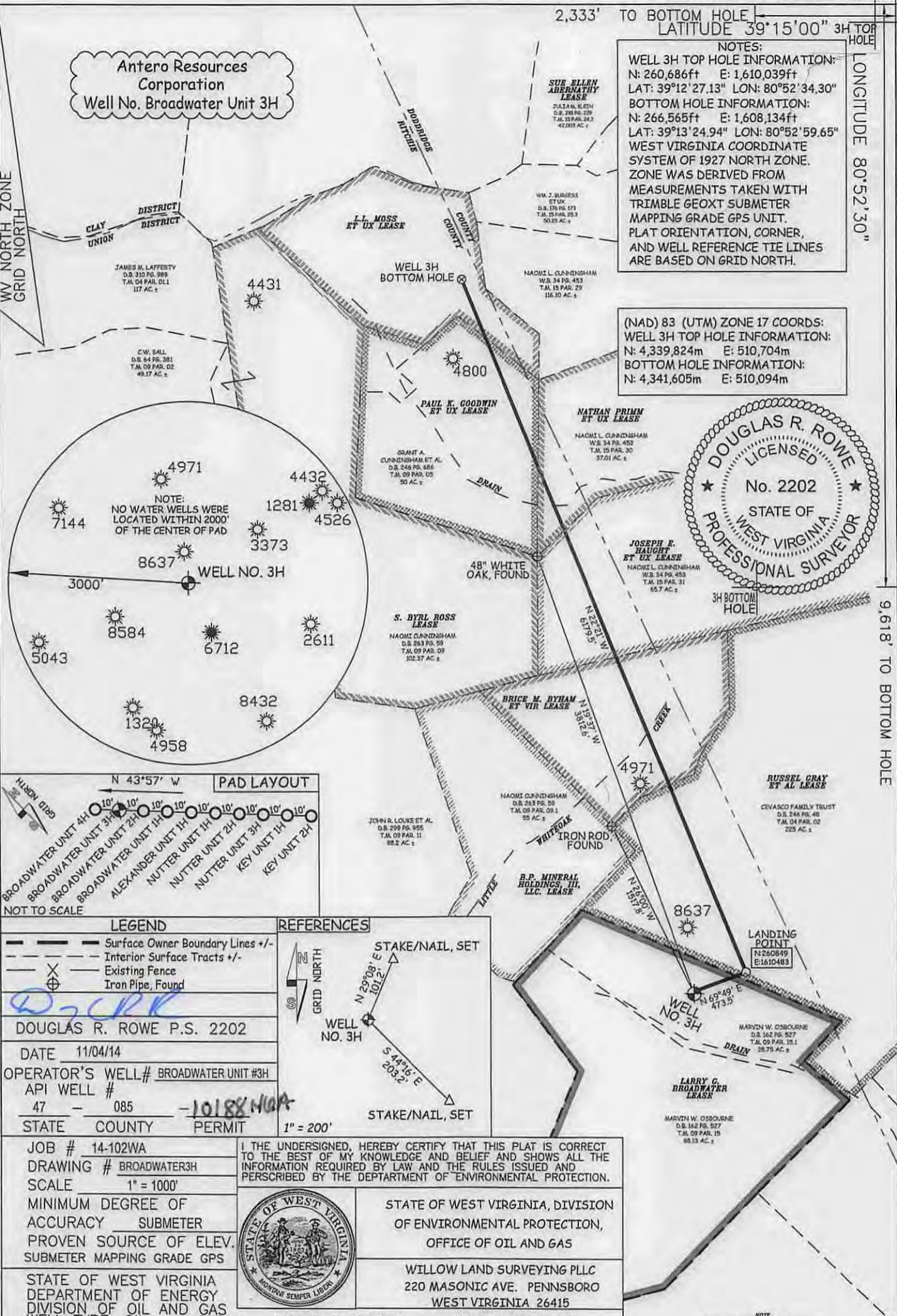
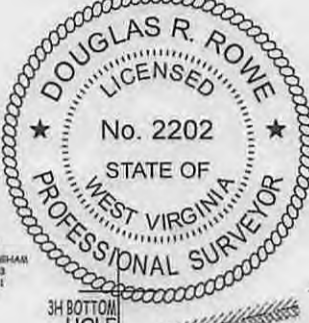
9,618' TO BOTTOM HOLE

COUNTY NAME PERMIT

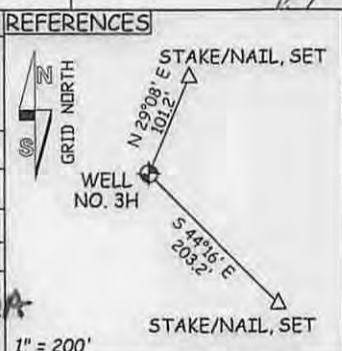
Antero Resources Corporation
Well No. Broadwater Unit 3H

NOTES:
 WELL 3H TOP HOLE INFORMATION:
 N: 260,686ft E: 1,610,039ft
 LAT: 39°12'27.13" LON: 80°52'34.30"
 BOTTOM HOLE INFORMATION:
 N: 266,565ft E: 1,608,134ft
 LAT: 39°13'24.94" LON: 80°52'59.65"
 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 3H TOP HOLE INFORMATION:
 N: 4,339,824m E: 510,704m
 BOTTOM HOLE INFORMATION:
 N: 4,341,605m E: 510,094m



LEGEND		
	Surface Owner Boundary Lines +/-	
	Interior Surface Tracts +/-	
	Existing Fence	
	Iron Pipe, Found	
DOUGLAS R. ROWE P.S. 2202		
DATE 11/04/14		
OPERATOR'S WELL # BROADWATER UNIT #3H		
API WELL # 47 - 085 - 10188 WA		
STATE	COUNTY	PERMIT



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
WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
(IF "GAS") PRODUCTION STORAGE DEEP SHALLOW
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; RUSSEL GRAY ET AL. LEASE ACREAGE 98.75 ACRES±; 225 ACRES±;
BRICE M. BYHAM ET VIR; JOSEPH E. HAUGHT ET UX; NATHAN PRIMM ET UX; PAUL K. GOODWIN ET UX; L.L. MOSS ET UX 41 ACRES±; 66 ACRES±; 37 ACRES±; 50 ACRES±; 54 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

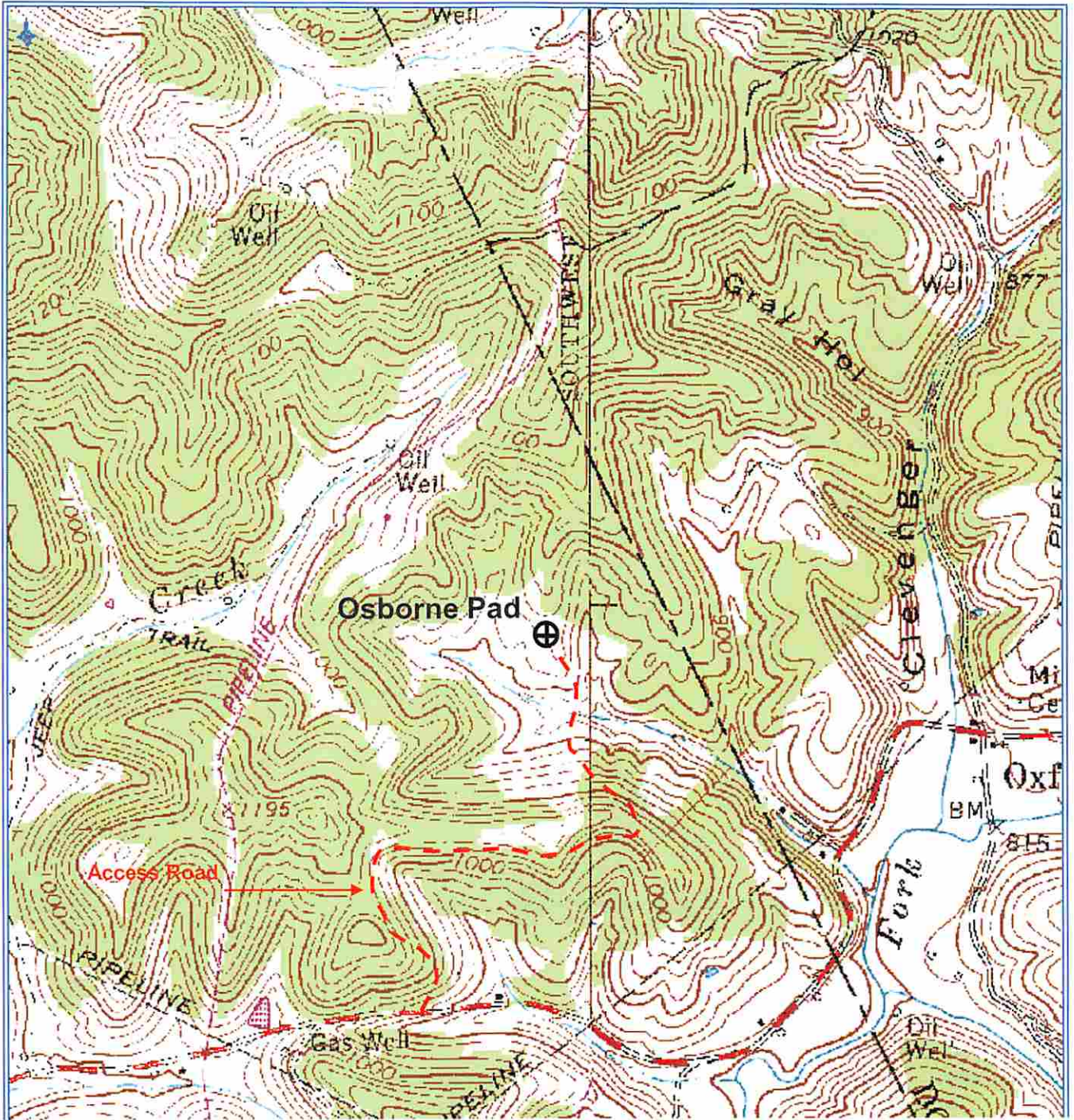
TARGET FORMATION MARCELLUS ESTIMATED DEPTH 6,700' TVD 13,300' MD

DIANNA STAMPER
CT CORPORATION SYSTEM
5400 D BIG TYLER ROAD
CHARLESTON, WV 25313

WELL OPERATOR ANTERO RESOURCES CORP. DESIGNATED AGENT
ADDRESS 1615 WYNKOOP STREET ADDRESS 5400 D BIG TYLER ROAD
FORM WW-6 DENVER, CO 80202

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.

02/27/2015



Antero Resources Corporation
Appalachian Basin
Broadwater Unit 3H
Ritchie County
Quadrangle: Pullman
Watershed: South Fork Hughes River
District: Union
Date: 11-12-14