

LATITUDE 39°20'00"

8,711'

LATITUDE 39°20'00"

LONGITUDE 80°55'00"

6,365'

LONGITUDE 80°55'00"

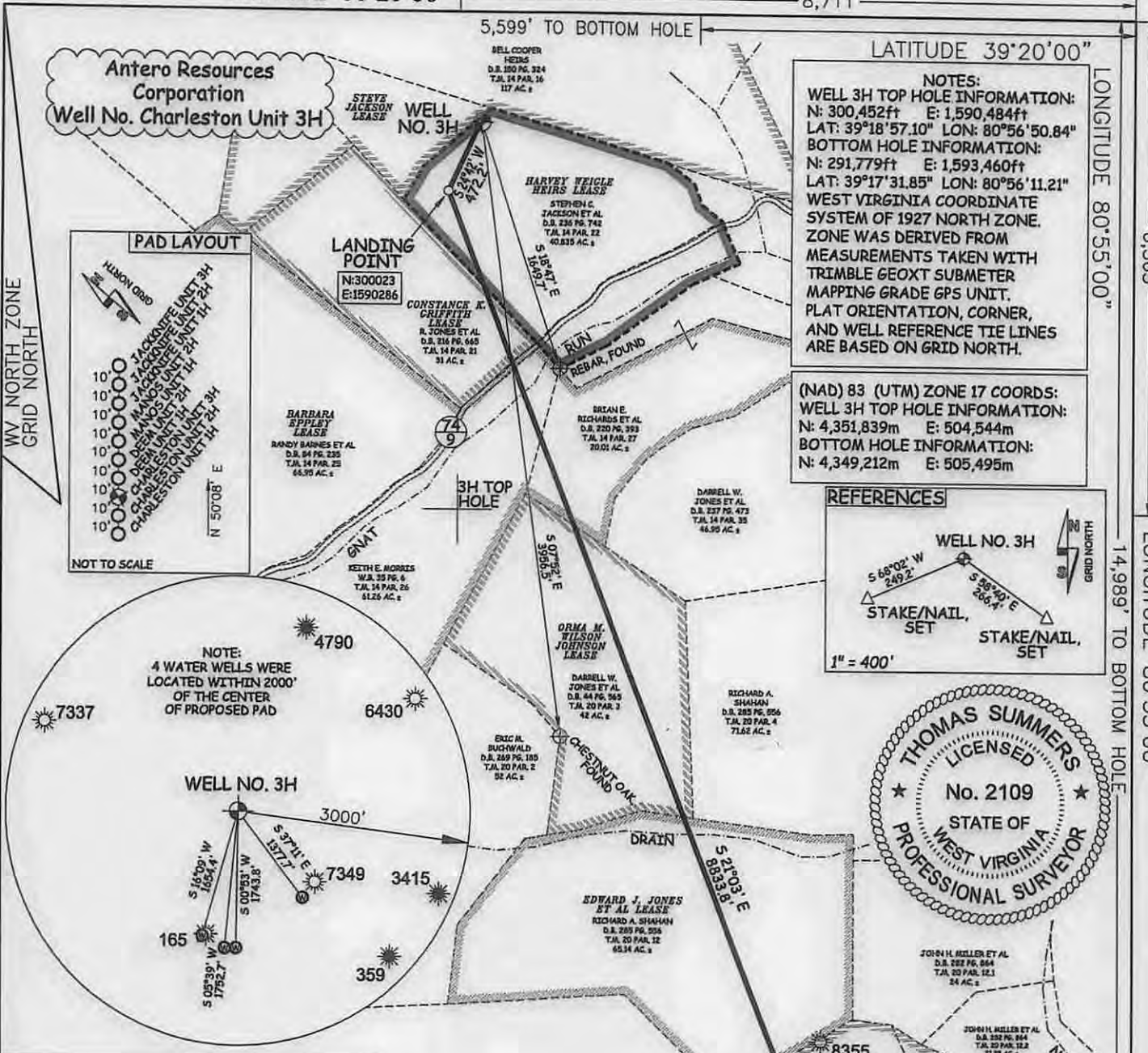
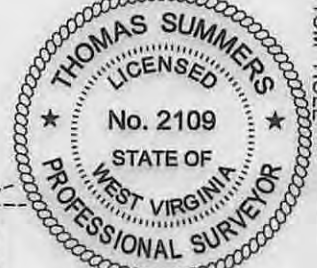
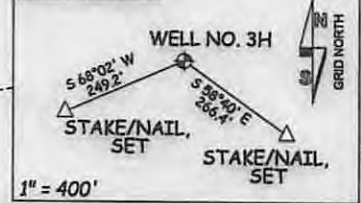
14,989' TO BOTTOM HOLE

COUNTY RITCHIE PERMIT

**NOTES:**  
**WELL 3H TOP HOLE INFORMATION:**  
 N: 300,452ft E: 1,590,484ft  
 LAT: 39°18'57.10" LON: 80°56'50.84"  
**BOTTOM HOLE INFORMATION:**  
 N: 291,779ft E: 1,593,460ft  
 LAT: 39°17'31.85" LON: 80°56'11.21"  
 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: 4,351,839m E: 504,544m  
**BOTTOM HOLE INFORMATION:**  
 N: 4,349,212m E: 505,495m

**REFERENCES**



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

THOMAS SUMMERS P.S. 2109

DATE 07/29/15

OPERATOR'S WELL # CHARLESTON UNIT #3H

JOB # 15-037WA  
 DRAWING # CHARLESTON3H  
 SCALE 1" = 1000'  
 MINIMUM DEGREE OF ACCURACY SUBMETER  
 PROVEN SOURCE OF ELEV. SUBMETER MAPPING GRADE GPS

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 1,162' ORIGINAL - 1,127' AS-DRILLED WATERSHED NORTH FORK HUGHES RIVER

QUADRANGLE PENNSBORO 7.5' DISTRICT CLAY COUNTY RITCHIE

SURFACE OWNER STEPHEN C. JACKSON ET AL ACREAGE 40.835 ACRES +/-

OIL & GAS ROYALTY OWNER HARVEY WEIGLE HEIRS; CONSTANCE K. GRIFFITH; BARBARA EPPLEY; LEASE ACREAGE 51 ACRES +/-; 31 AC +/-; 200 ACRES +/-; ORMA M. WILSON JOHNSON; EDWARD J. JONES ET AL; CARLTON BOYCE ET UX 42 ACRES +/-; 73 ACRES +/-; 201 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 \_\_\_ ESTIMATED DEPTH 6,600' TVD 16,500' MD

TARGET FORMATION MARCELLUS

WELL OPERATOR ANTERO RESOURCES CORP. ADDRESS 1615 WYNKOOP STREET DENVER, CO 80202

API WELL # 47 - 085 - 10244  
 STATE COUNTY PERMIT

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.

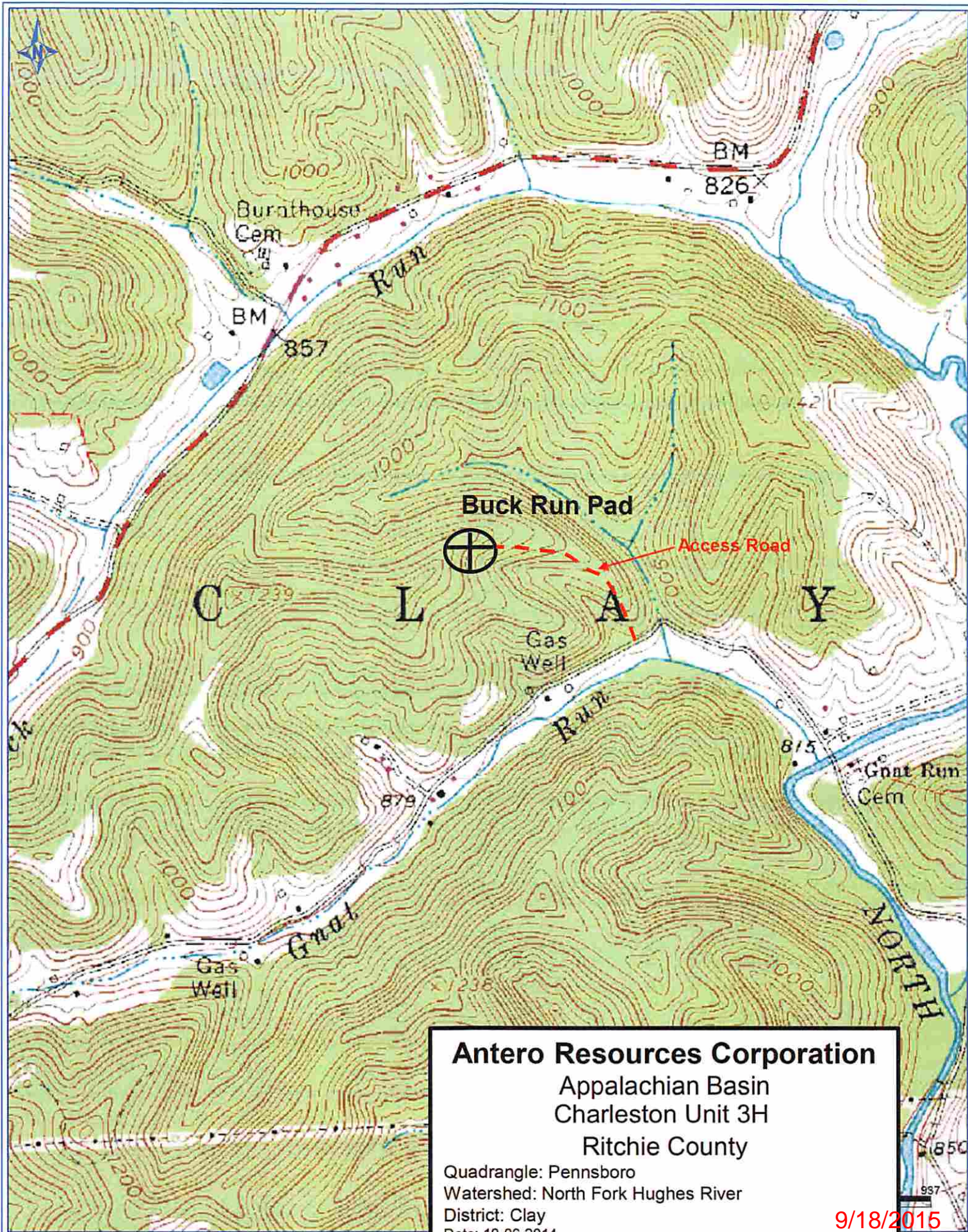


STATE OF WEST VIRGINIA, DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS  
 WILLOW LAND SURVEYING PLLC  
 P.O. BOX 17 PENNSBORO WEST VIRGINIA 26415

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.

9/18/2015





**Antero Resources Corporation**  
Appalachian Basin  
Charleston Unit 3H  
Ritchie County

Quadrangle: Pennsboro  
Watershed: North Fork Hughes River  
District: Clay  
Date: 10-06-2014

9/18/2015