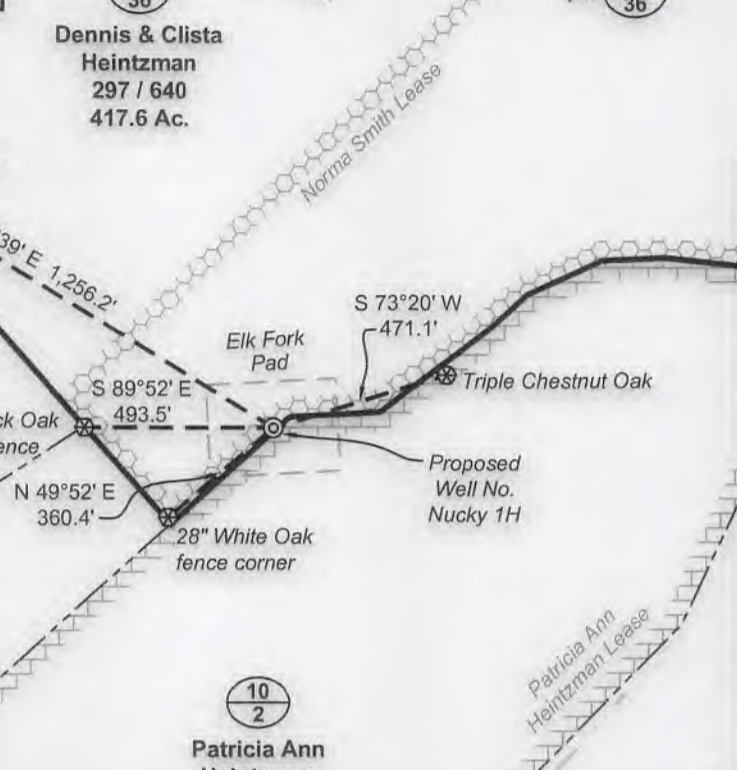
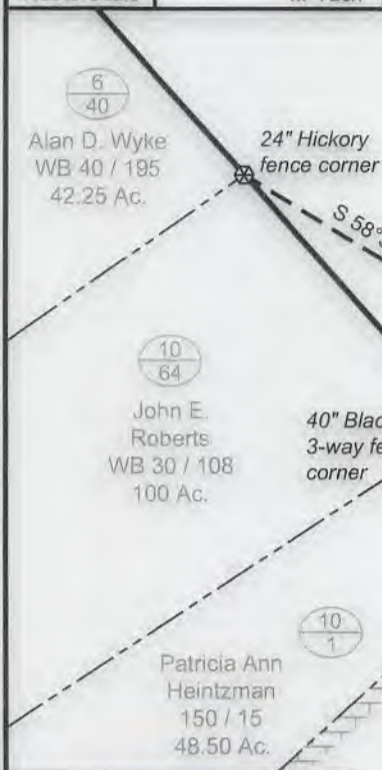


05/31/2019

Notes:
 West Virginia Coordinate System of 1927, North Zone based upon Differential GPS Measurements.
 Well No. Nucky 1H coordinates are
 N: 382,162.47'
 E: 1,613,260.11'
 Latitude: 39°32'28.16"
 Longitude: 80°52'16.94"
 UTM Zone 17, NAD 1983
 Top Hole Coordinates
 N: 4,376,848.509m
 E: 511,067.545m
 UTM Zone 17, NAD 1927
 Top Hole Coordinates
 N: 14,358,996.03'
 E: 1,676,679.53'
 Plat orientation and corner and well references are based upon the grid north meridian.
 Well location references are based upon the magnetic meridian.



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.

Bradley D. Miller
Bradley D. Miller, P.S. 2167

Note: 1 water wells and 4 springs were found within 2000' of proposed well. No occupied dwellings or buildings 2,500 square feet or larger used to house or shelter dairy cattle or poultry husbandry are located within 625' of the center of the well pad.

FILE NO: 50-54-E-19
 DRAWING NO: Nucky 1H Vertical Well Plat
 SCALE: 1" = 500'
 MINIMUM DEGREE OF ACCURACY: Submeter
 PROVEN SOURCE OF ELEVATION: WVDOT, Harrisville, WV

STATE OF WEST VIRGINIA
 DEPARTMENT OF ENVIRONMENTAL PROTECTION
OIL AND GAS DIVISION

DATE: March 28 2019
 OPERATOR'S WELL NO. Nucky 1H
 API WELL NO
 47 - 095 - 02611
 STATE COUNTY PERMIT

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF GAS) PRODUCTION: STORAGE DEEP SHALLOW
 LOCATION: ELEVATION: Proposed 1,126' Existing 1,140' WATERSHED: Outlet Middle Island Creek QUADRANGLE: Porters Falls
 DISTRICT: Ellsworth COUNTY: Tyler
 SURFACE OWNER: Dennis & Clista Heintzman ACREAGE: 417.6 76.25;
 ROYALTY OWNER: Norma Smith; Patricia Ann Heintzman LEASE NO: ACREAGE: 33.8125;
 PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY)
 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 7,000' TVD 7,000' MD

WELL OPERATOR: Antero Resources Corporation DESIGNATED AGENT: Dianna Stamper - CT Corporation System
 ADDRESS: 1615 Wynkoop Street ADDRESS: 5400 D Big Tyler Road
 Denver, CO 80202 Charleston, WV 25313

