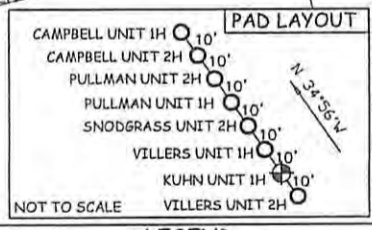
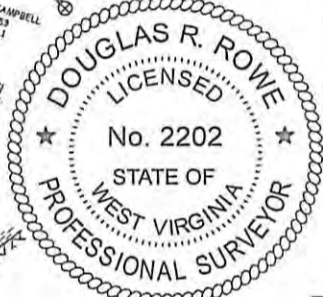
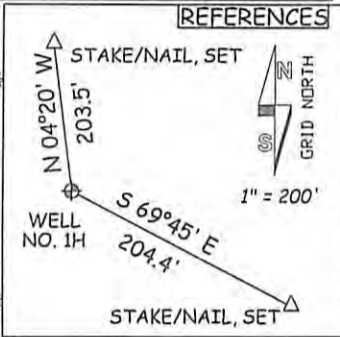


NOTES:
 WELL 1H TOP HOLE INFORMATION:
 N: 251,214ft E: 1,594,608ft
 LAT: 39°10'51.14\" N: 80°55'48.40\"
 BOTTOM HOLE INFORMATION:
 N: 246,927ft E: 1,599,667ft
 LAT: 39°10'09.56\" N: 80°54'43.31\"
 WEST VIRGINIA COORDINATE SYSTEM OF 1927 NORTH ZONE. ZONE WAS DERIVED FROM MEASUREMENTS TAKEN WITH TRIMBLE 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: 4,336,860m E: 506,051m
 BOTTOM HOLE INFORMATION:
 N: 4,335,580m E: 507,614m



JOB # 12-048WA
 DRAWING # KUHN1HR2
 SCALE 1\"/>

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 REGULATIONS 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

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

DOUGLAS R. ROWE P.S. 2202
 DATE 11/09/12
 OPERATOR'S WELL# KUHN UNIT 1H
 API WELL # 47 - 085 - 10002-116 A MW
 STATE COUNTY PERMIT

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 1,014' WATERSHED RIGHT FORK OF SLAB CREEK
 QUADRANGLE PULLMAN 7.5' DISTRICT UNION COUNTY RITCHIE
 SURFACE OWNER JOHN A. & LINDA J. CAMPBELL ACREAGE 120.25 ACRES +/-
 OIL & GAS ROYALTY OWNER FREEMAN CAMPBELL; O'NEILL FAMILY TRUST ET AL; G.M. HARRIS; LEASE ACREAGE 120.25 ACRES+; 300 ACRES+; 200 ACRES+; CREED KUHN ET UX; EMMA SNODGRASS 93 ACRES+; 65 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 6,800' TVD 13,500' MD
 WELL OPERATOR ANTERO RESOURCES APPALACHIAN CORP. DESIGNATED AGENT DIANNA STAMPER
 ADDRESS 1625 17TH STREET ADDRESS 5400 D BIG TYLER ROAD
 DENVER, CO 80202 CHARLESTON, WV 25313

02/01/2013