

**PDC MOUNTAINEER, LLC
WELL NO. COALTRAIN 2HMA**

NOTES:
-FLAT ORIENTATION, CORNERS, AND WELL REFERENCES ARE BASED UPON THE GRID NORTH MERIDIAN FOR THE WV STATE PLANE COORDINATE SYSTEM, NORTH ZONE NAD 27. WELL LOCATION REFERENCE TIES ARE BASED UPON THE MAGNETIC MERIDIAN.

-THERE APPEARS TO BE NO WATER WELLS LOCATED WITHIN 1000' OF WELL 2HMA.

SURVEYORS NOTE

TOP HOLE AND LANDING POINT COORDINATES SHOWN ON THIS PLAT WERE OBTAINED FROM ACTUAL FIELD SURVEY AND INFORMATION PROVIDED BY OPERATOR. CURVE DATA, BEARING/DISTANCE CALCULATIONS CONNECTING TOP HOLE TO LANDING POINT COORDINATES WERE CALCULATED BY THIS SURVEYOR AND SHOWN ONLY FOR MATHEMATICAL CLOSURE PURPOSES. ACTUAL DOWNHOLE CALCULATIONS WILL BE COMPLETED BY THE DRILLING CONTRACTOR.

TH BH

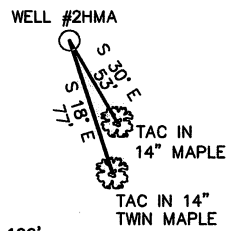
Denotes location of well on United States Topographic Map



Daniel L. Wheeler, P.S. 530

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 PRESCRIBED BY THE DIVISION OF ENVIRONMENTAL PROTECTION.

REFERENCES



7,554' TOP HOLE
7,529' BOTTOM HOLE
LATITUDE 39° 20' 00"

LONGITUDE 80° 05' 00"
9,816' BOTTOM HOLE
13,275' TOP HOLE

FILE NO. 050-4286
SCALE: 1"=1000'
MINIMUM DEGREE OF ACCURACY: 1 in 2500
PROVEN SOURCE OF ELEVATION: OPUS SURVEY GRADE GPS



DATE JANUARY 4, 2012
OPERATOR'S WELL NO. COALTRAIN NO. 2HMA
API WELL NO. 47-091-01201H
STATE WV COUNTY CLAY PERMIT 01201H

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL (IF "GAS"), PRODUCTION STORAGE DEEP SHALLOW
LOCATION: ELEVATION: 1273' WATER SHED: SAND LICK RUN OF SIMPSON CREEK
DISTRICT: COURTHOUSE COUNTY: TAYLOR
QUADRANGLE: GRAFTON 7.5' ACREAGE: 212.44 AC ±
SURFACE OWNER: PATRIOT MINING COMPANY, INC. LEASE ACREAGE: 390.48 AC ±
OIL & GAS ROYALTY OWNER: GLEN C. LAREW ET AL LEASE NO. _____
PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE
PERFORATE NEW FORMATION PLUG OFF OLD FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____



PLUG AND ABANDON _____ CLEAN OUT AND REPLUG _____
TARGET FORMATION: MARCELLUS SHALE ESTIMATED DEPTH: 7,760' TVD / 13,200' MD

WELL OPERATOR: PDC MOUNTAINEER, LLC DESIGNATED AGENT: JAMES A HAGA
ADDRESS: 120 GENESIS BOULEVARD BRIDGEPORT, WV 26330 ADDRESS: 120 GENESIS BOULEVARD BRIDGEPORT, WV 26330