

PDC MOUNTAINEER, LLC
WELL NO. UNB 1HM

7,786' TOP HOLE

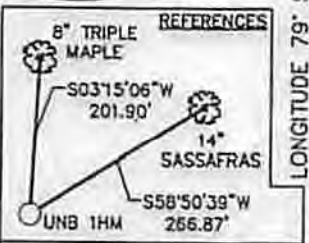
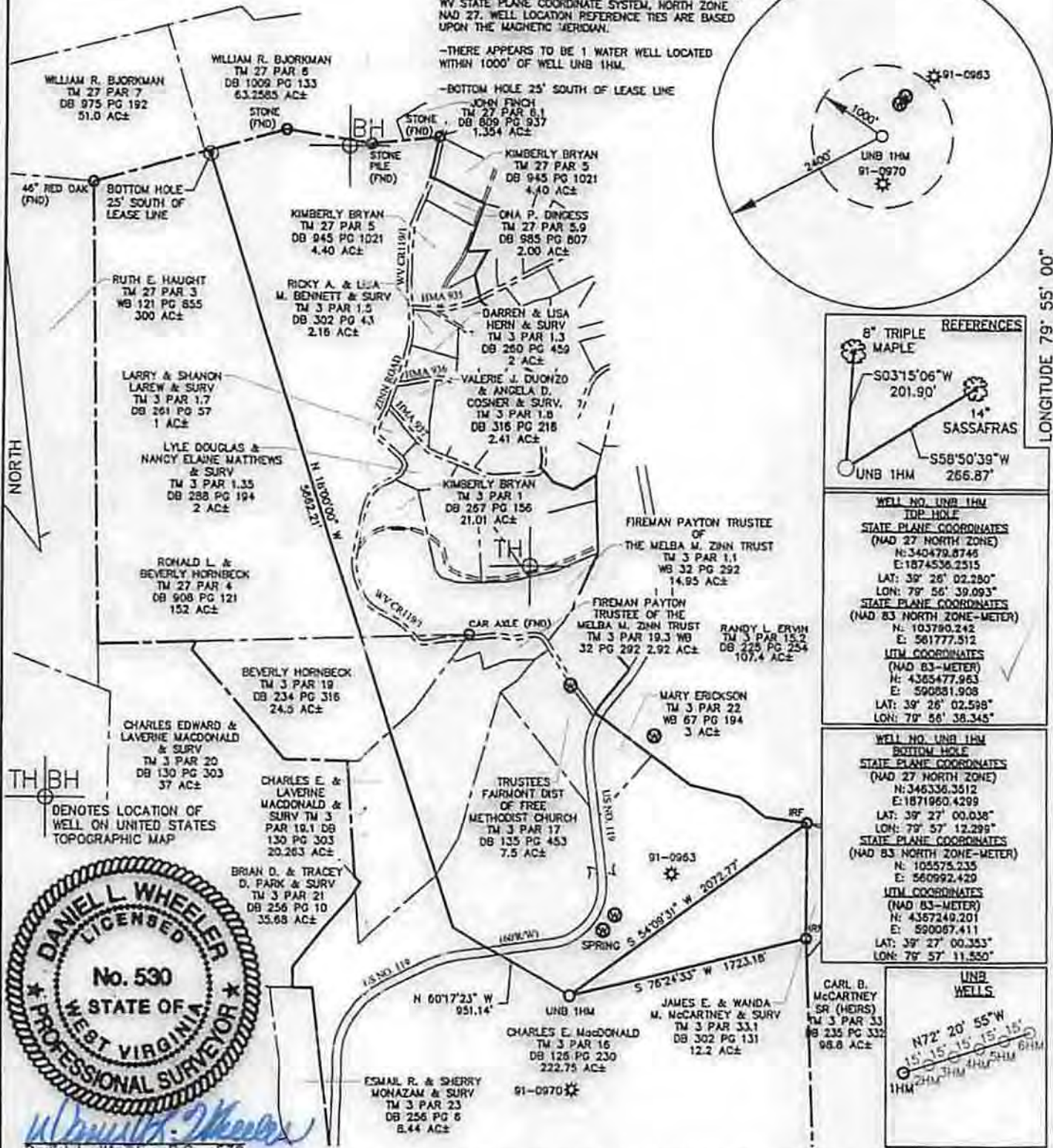
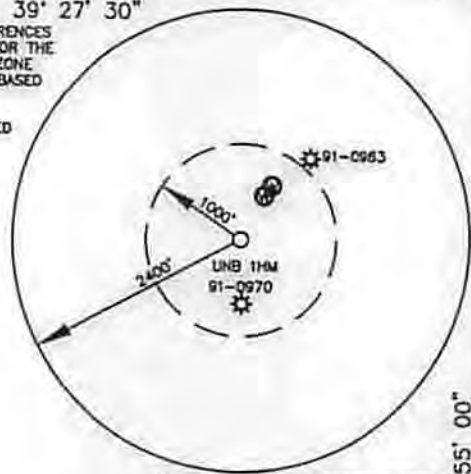
10,383' BOTTOM HOLE

LATITUDE 39° 27' 30"

NOTES:
-PLAT 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.

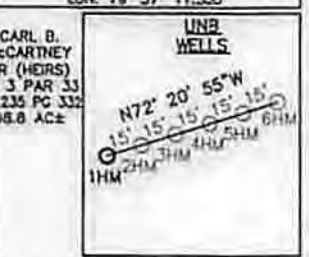
-THERE APPEARS TO BE 1 WATER WELL LOCATED WITHIN 1000' OF WELL UNB 1HM.

-BOTTOM HOLE 25' SOUTH OF LEASE LINE



WELL NO. UNB 1HM	TOP HOLE
STATE PLANE COORDINATES (NAD 27 NORTH ZONE)	
N: 340479.8745	E: 1874536.2515
LAT: 39° 28' 02.280"	
LON: 79° 56' 39.093"	
STATE PLANE COORDINATES (NAD 83 NORTH ZONE-METER)	
N: 103780.242	E: 561777.512
UTM COORDINATES (NAD 83-METER)	
N: 4365477.963	E: 590881.908
LAT: 39° 28' 02.598"	
LON: 79° 56' 38.345"	

WELL NO. UNB 1HM	BOTTOM HOLE
STATE PLANE COORDINATES (NAD 27 NORTH ZONE)	
N: 346336.3512	E: 1871960.4299
LAT: 39° 27' 00.038"	
LON: 79° 57' 12.299"	
STATE PLANE COORDINATES (NAD 83 NORTH ZONE-METER)	
N: 105575.235	E: 560992.429
UTM COORDINATES (NAD 83-METER)	
N: 4367249.201	E: 590887.411
LAT: 39° 27' 00.353"	
LON: 79° 57' 11.550"	



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.

FILE NO. 030-1999
SCALE: 1"=1000'
MINIMUM DEGREE OF ACCURACY: 1 in 2500
PROVEN SOURCE OF ELEVATION: OPUS SURVEY GRADE GPS

STATE OF WEST VIRGINIA
DIVISION OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL & GAS

DATE NOVEMBER 30, 2011
OPERATOR'S WELL NO. UNB NO. 1HM
API WELL NO. ~~47-091-01258 H~~
STATE COUNTY PERMIT

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL (IF "GAS"), PRODUCTION STORAGE DEEP SHALLOW
LOCATION: ELEVATION: 1878' WATER SHED: WHITE DAY CREEK
DISTRICT: FETTERMAN COUNTY: TAYLOR
QUADRANGLE: GLADESVILLE 7.5' ACREAGE: 222.75 AC±
SURFACE OWNER: CHARLES E. MacDONALD LEASE ACREAGE: 472.01 AC +
OIL & GAS ROYALTY OWNER: UNION NAT'L BANK, TRUSTEE FOR CORE-MORRIS, 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: 7,830' TVD / 14,500' MD

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

08/15/2014