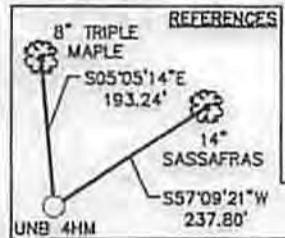
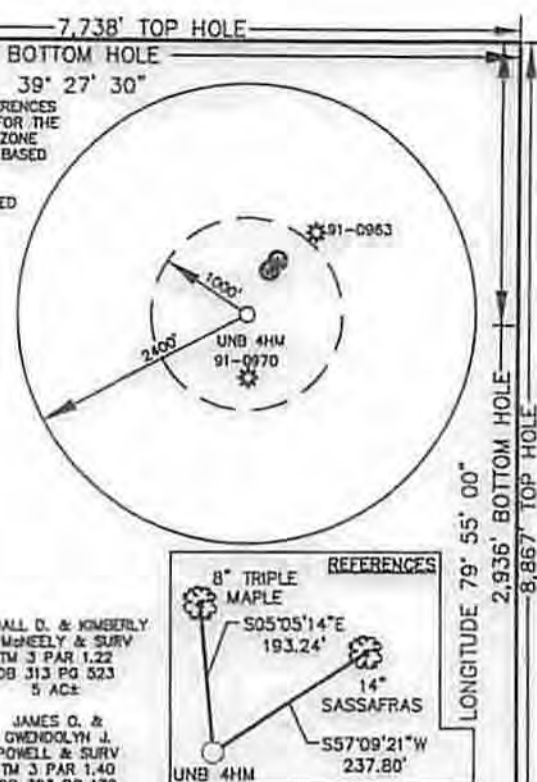


PDC MOUNTAINEER, LLC
WELL NO. UNB 4HM

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 4HM.
-BOTTOM HOLE 25' SOUTH OF LEASE LINE

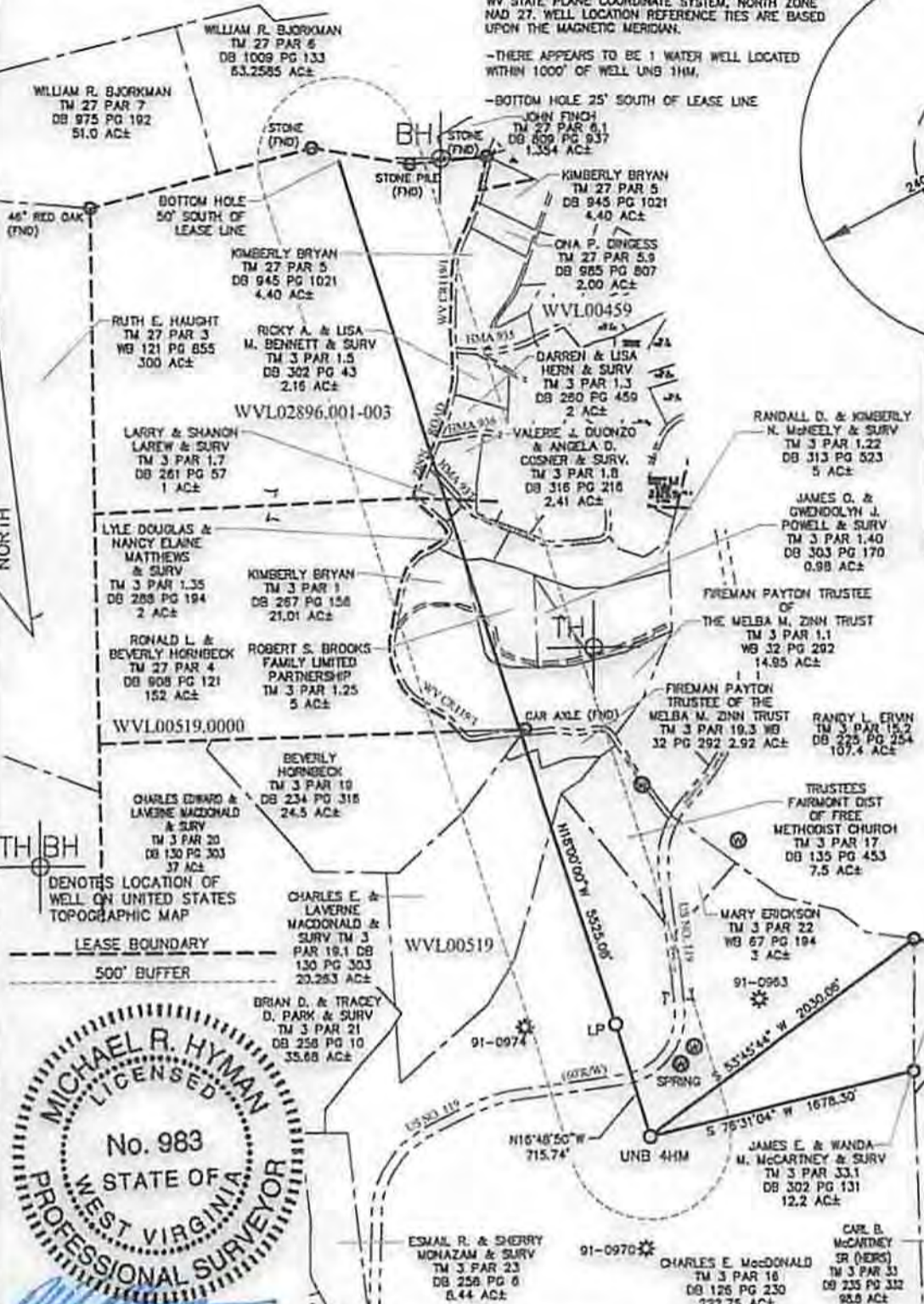
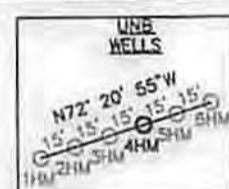
LATITUDE 39° 27' 30"



WELL NO. 4HM TOP HOLE
STATE PLANE COORDINATES (NAD 27 NORTH ZONE)
N: 340463.5198
E: 1874579.1328
LAT: 39°26'02.7354"
LON: 79°56'37.7988"
UTM COORDINATES (NAD 83-METER)
N: 4365482.338
E: 590894.904

WELL NO. 4HM LAUNCH POINT
STATE PLANE COORDINATES (NAD 27 NORTH ZONE)
N: 341178.663
E: 1874372.095
LAT: 39°26'09.497"
LON: 79°56'40.481"
UTM COORDINATES (NAD 83-METER)
N: 4365690.032
E: 590828.350

WELL NO. 4HM BOTTOM HOLE
STATE PLANE COORDINATES (NAD 27 NORTH ZONE)
N: 346433.3258
E: 1872864.7511
LAT: 39°27'01.3465"
LON: 79°57'02.5771"
UTM COORDINATES (NAD 83-METER)
N: 4367282.324
E: 590281.520



MICHAEL R. HYMAN
LICENSED
No. 983
STATE OF WEST VIRGINIA
PROFESSIONAL SURVEYOR

Michael R. Hyman, P.S. 983
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	DATE OCTOBER 2013
SCALE: 1"=1000'	OPERATOR'S WELL NO. UNB NO. 4HM
MINIMUM DEGREE OF ACCURACY: 1 in 2500	API WELL NO. MOD
PROVEN SOURCE OF ELEVATION: OPUS SURVEY GRADE GPS	47 - 091 - 012.61 HGA
	STATE COUNTY PERMIT
CANCELLED	
WELL TYPE: OIL <input type="checkbox"/> GAS <input checked="" type="checkbox"/> LIQUID INJECTION <input type="checkbox"/> WASTE DISPOSAL <input type="checkbox"/> (IF "GAS"), PRODUCTION <input checked="" type="checkbox"/> STORAGE <input type="checkbox"/> DEEP <input type="checkbox"/> SHALLOW <input checked="" type="checkbox"/>	
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: 420.88 AC +	
OIL & GAS ROYALTY OWNER: UNION NAT'L BANK, TRUSTEE FOR CORE-MORRIS, ET AL LEASE NO. WVL00459	
PROPOSED WORK: DRILL <input checked="" type="checkbox"/> CONVERT <input type="checkbox"/> DRILL DEEPER <input type="checkbox"/> REDRILL <input type="checkbox"/> FRACTURE OR STIMULATE <input checked="" type="checkbox"/>	
PERFORATE NEW FORMATION <input type="checkbox"/> PLUG OFF OLD FORMATION <input type="checkbox"/> OTHER PHYSICAL CHANGE IN WELL (SPECIFY)	
PLUG AND ABANDON CLEAN OUT AND REPLUG	
TARGET FORMATION: MARCELLUS SHALE	ESTIMATED DEPTH: 7,830' TVD / 13,750' 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

USER: kpoth LAYOUT: WELLS (4) NORTH PLOT DATE/TIME: 10/7/2013 - 2:34pm CAD FILE: R:\030-1999 PDC Cemetery A Survey\030-1999 WELLS 9-3-13.dwg

08/15/2014