

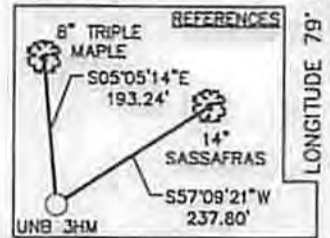
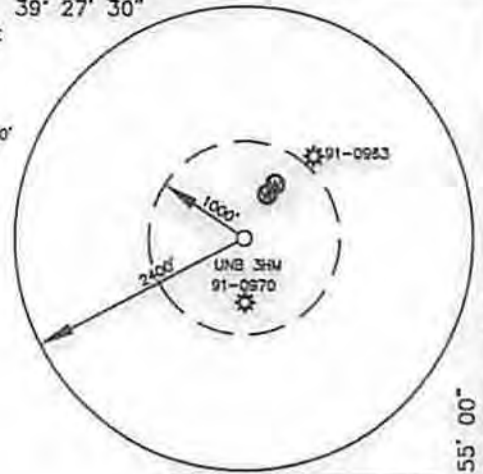
PDC MOUNTAINEER, LLC
WELL NO. UNB 3HM

7,752' TOP HOLE

10,663' BOTTOM HOLE

LATITUDE 39° 27' 30"

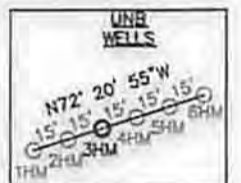
NOTES:
-PLAT ORIENTATION, CORNERS, AND WELL REFERENCES ARE BASED UPON THE GRID NORTH MERIDIAN FOR THE WV STATE PLANE COORDINATE SYSTEM, NORTH ZONE NAD 27. WELL LOCATION REFERENCE TIES ARE BASED UPON THE MAGNETIC MERIDIAN.
-THERE APPEARS TO BE 1 WATER WELL LOCATED WITHIN 1000' OF WELL UNB 3HM.



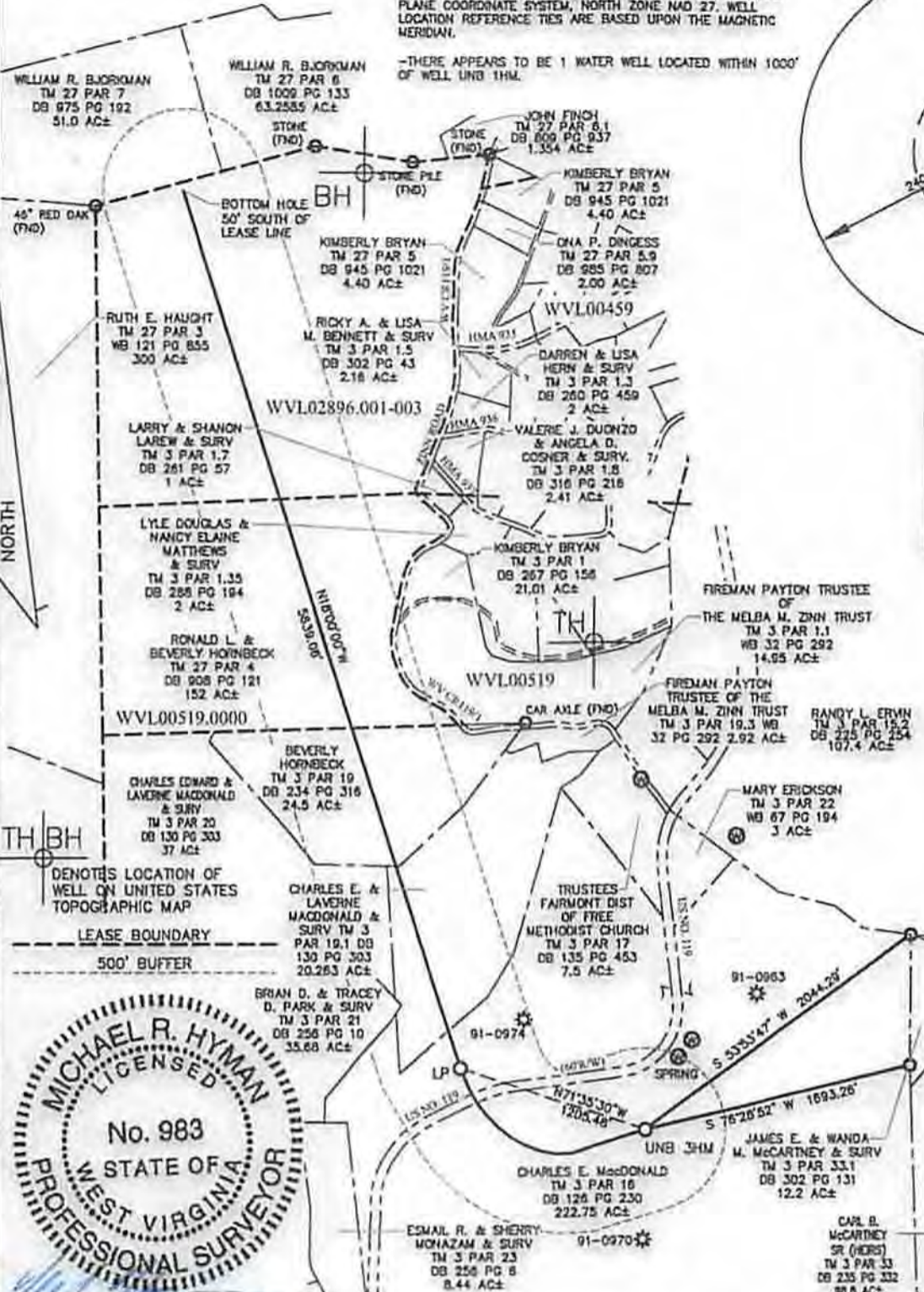
WELL NO. 3HM
TOP HOLE
STATE PLANE COORDINATES
(NAD 27 NORTH ZONE)
TM 3 PAR 1.1
WB 32 PG 292
14.65 AC±
LAT: 39°26'02.6898"
LON: 79°56'37.9807"
UTM COORDINATES
(NAD 83-METER)
N: 4365480.880
E: 590890.572

WELL NO. 3HM
LAUNCH POINT
STATE PLANE COORDINATES
(NAD 27 NORTH ZONE)
N: 340488.9714
E: 1873421.0350
LAT: 39°26'02.6898"
LON: 79°56'52.5856"
UTM COORDINATES
(NAD 83-METER)
N: 4365591.053
E: 590540.138

WELL NO. 3HM
BOTTOM HOLE
STATE PLANE COORDINATES
(NAD 27 NORTH ZONE)
N: 346232.7337
E: 1871878.4851
LAT: 39°26'59.3147"
LON: 79°57'15.1383"
UTM COORDINATES
(NAD 83-METER)
N: 4367216.200
E: 589882.024



CAD FILE: R:\030-1999 PDC Complet A\Surv\030-1999 WELLS 9-3-13.dwg
PLOT DATE/TIME: 10/7/2013 - 2:34pm
LAYOUT: WELLS (3)
USER: kpoath



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
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 OCTOBER, 2013
OPERATOR'S WELL NO. UNB NO. 3HM
API WELL NO. HGA
47 - 091 - 0960MD
STATE WV COUNTY BRIDGEPORT PERMIT CANCELLED

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: 419.51 AC +
OIL & GAS ROYALTY OWNER: UNION NAT'L BANK, TRUSTEE FOR CORE-MORRIS, ET. AL LEASE NO. WV1238102 - WV12389101

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 / 14,360' 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