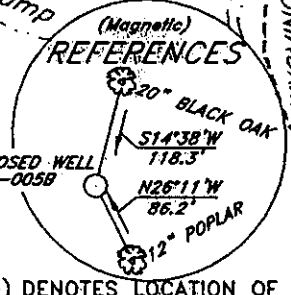


LATITUDE 37°45'00"
PROPOSED WELL COORDINATES
 N: 271533.07
 E: 1871582.20
 WV SOUTH ZONE
 NAD 27



BEARING CHART

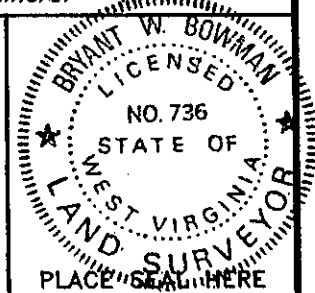
Well Number		Bearing	Distance
From	To		
2214	WPHC-005B	S36°55'34"E	1116.79'
WPHC-005B	WPHC-005A	S38°01'59"W	220.53'
WPHC-005A	WPHC-005C	S38°28'35"W	211.39'
WPHC-005C	1479	S75°56'12"E	2464.72'

PLUM CREEK TIMBER LANDS LP.
 Deed Book 408 Page 478
 P/O Tax Map 123 par. 8
 4301 ac. surface
WYOMING POCAHONTAS COAL CORP.
 4301 ac. mineral

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE NO. _____
 DRAWING NO. _____
 SCALE 1"=2000'
 MINIMUM DEGREE OF ACCURACY 1:280000
 PROVEN SOURCE OF ELEVATION GPS DISK NO. N
 2581.83'

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 DEPARTMENT OF ENVIRONMENTAL PROTECTION.
 (SIGNED) Bryant W. Bowman
 R.P.E. _____ L.L.S. 736



STATE OF WEST VIRGINIA
 DEPARTMENT OF ENVIRONMENTAL PROTECTION
 OIL AND GAS DIVISION

DATE MARCH 1, 2004
 OPERATOR'S WELL NO. WPHC-005B
 API WELL NO. 47-109-02401C
 STATE COUNTY PERMIT

WELL TYPE: OIL ___ GAS ___ LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION ___ STORAGE ___ DEEP ___ SHALLOW ___

LOCATION: ELEVATION 2338.82' WATERSHED TROUGH FORK OF LAUREL FORK
 DISTRICT SLAB FORK COUNTY WYOMING
 QUADRANGLE McGRAWS, WY

SURFACE OWNER PLUM CREEK TIMBER LANDS LP. ACREAGE 4301±
 OIL & GAS ROYALTY OWNER PENN VIRGINIA OIL & GAS CORPORATION LEASE ACREAGE 30000±
 LEASE NO. _____

PROPOSED WORK: DRILL CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR
 STIMULATE ___ PLUG OFF OLD FORMATION ___ PERFORATE NEW
 FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
 TARGET FORMATION COAL ESTIMATED DEPTH 1475

WELL OPERATOR PENN VIRGINIA OIL & GAS CORPORATION DESIGNATED AGENT MR. HARRY JEWEL
 ADDRESS 2550 EAST STONE DRIVE SUITE 110 ADDRESS PO BOX 460
 KINGSFORT, TN 37660 RAVENCLIFF, WV 25913

COUNTY NAME WYO PERMIT 2401C