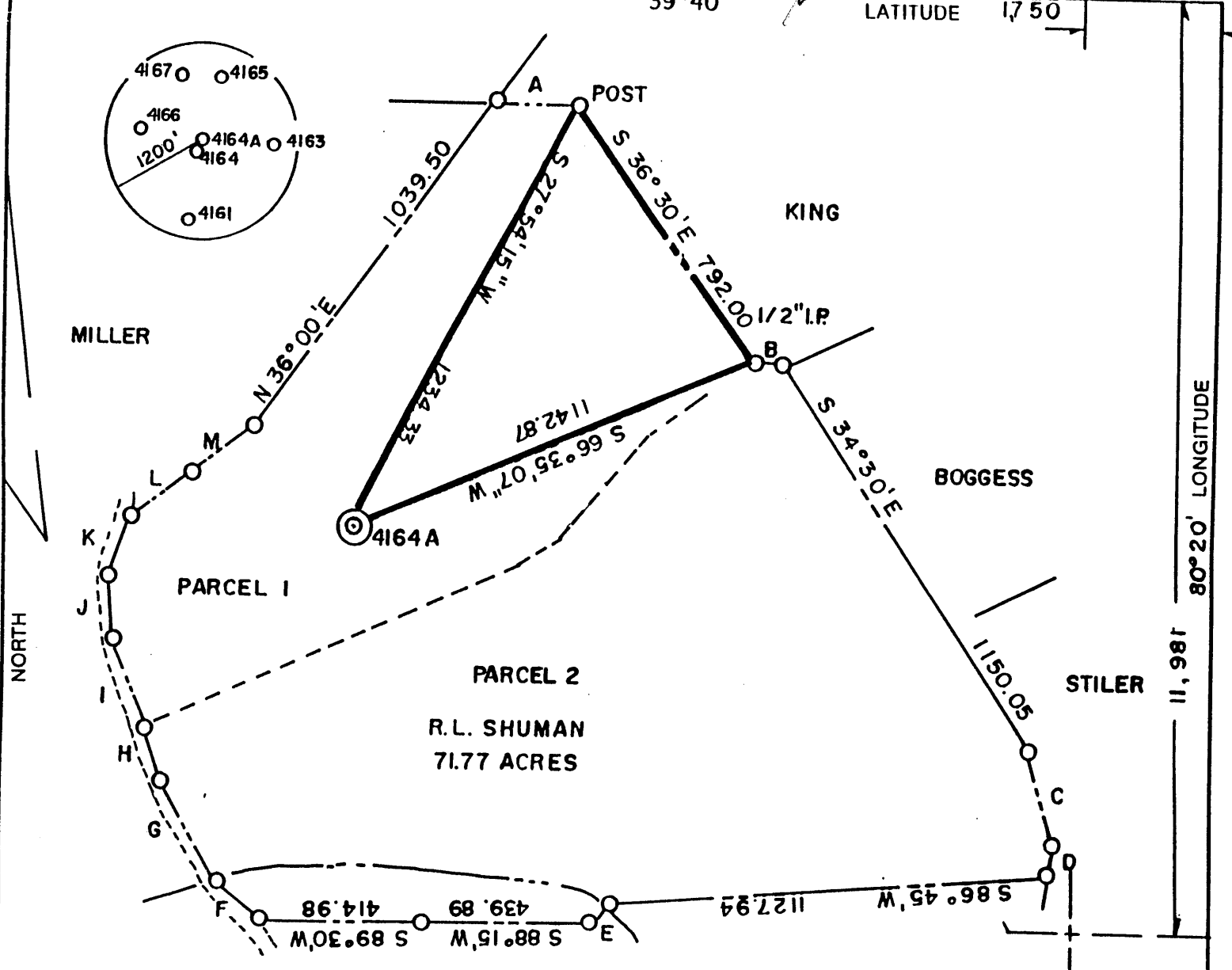
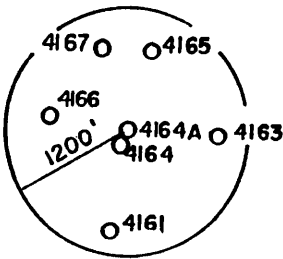


39°40'

LATITUDE 17 50



A = N 89°30'E	214.50
B = S 67°30'E	129.86
C = S 15°00'E	243.87
D = S 9°00'W	74.25
E = S 43°15'W	70.00
F = N 49°30'W	146.03
G = N 31°30'W	290.40

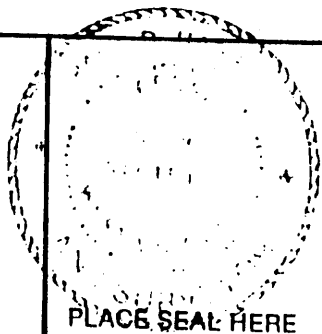
H = N 19°30'W	136.95
I = N 19°30'W	127.87
J = N 3°30'W	165.00
K = N 21°00'E	156.75
L = N 53°30'E	198.00
M = N 56°00'E	198.00

2.335
0.34W
Calc 15' loc

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

FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 400'
 MINIMUM DEGREE OF ACCURACY 1 IN 5000
 PROVEN SOURCE OF ELEVATION COMPANY SURVEY
 TIED INTO U.S.G.S. NETWORK

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 ENERGY.
 (SIGNED) Paul D. Parbert
 R.P.E. _____ L.L.S. 862



STATE OF WEST VIRGINIA
 DEPARTMENT OF ENERGY
 OIL AND GAS DIVISION



DATE 4 - 16, 19 91
 OPERATOR'S WELL NO. 4164 A
 API WELL NO. _____

WELL TYPE: OIL ___ GAS ___ LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION ___ STORAGE ___ DEEP ___ SHALLOW ABANDONED
 LOCATION: ELEVATION 1291.09 WATER SHED RANGE RUN
 DISTRICT BATTELLE STATE COUNTY PERMIT

QUADRANGLE WADESTOWN WV, PA Mannington C
 COUNTY MONONGALIA
 SURFACE OWNER R.L. SHUMAN
 OIL & GAS ROYALTY OWNER _____ ACREAGE 71.77

LEASE NO. _____ LEASE ACREAGE _____
 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 NONE ESTIMATED DEPTH _____
 WELL OPERATOR CONSOLIDATION COAL CO. DESIGNATED AGENT ROGER E. DUCK WORTH
 ADDRESS P.O. BOX 1314 MORGANTOWN WV. 26505 ADDRESS P.O. BOX 1314 MORGANTOWN WV. 26505

MAY 6 1991

COUNTY NAME PERMIT

