

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

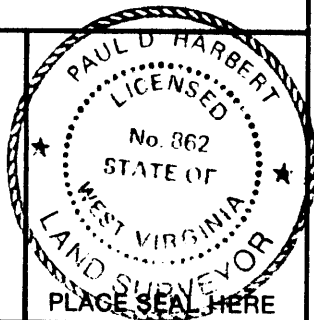
H = N 19° 30' W	136.95
I = N 19° 30' W	127.87
J = N 3° 30' W	165.00
K = N 21° 00' E	156.75
L = N 53° 30' E	198.00
M = N 56° 00' E	198.00

calc { 2.415  
15' loc  
0.08W

(+) 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. Harbert  
 R.P.E. \_\_\_\_\_ L.L.S. 862



**STATE OF WEST VIRGINIA**  
 DEPARTMENT OF ENERGY  
 OIL AND GAS DIVISION



DATE 12-21, 19 90  
 OPERATOR'S WELL NO. 4162A  
 API WELL NO. \_\_\_\_\_

WELL TYPE: OIL \_\_\_ GAS \_\_\_ LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
 (IF "GAS,") PRODUCTION \_\_\_ STORAGE \_\_\_ DEEP \_\_\_ SHALLOW \_\_\_ ABANDONED X  
 LOCATION: ELEVATION 1365.72 WATERSHED RANGE RUN

DISTRICT BATTELLE COUNTY MONONGALIA  
 QUADRANGLE WADESTOWN WV, PA Mannington C

SURFACE OWNER R.L. SHUMAN ACREAGE 71.77  
 OIL & GAS ROYALTY OWNER \_\_\_\_\_ LEASE ACREAGE \_\_\_\_\_

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 X CLEAN OUT AND REPLUG \_\_\_  
 TARGET FORMATION NONE ESTIMATED DEPTH \_\_\_\_\_

WELL OPERATOR CONSOLIDATION COAL CO. DESIGNATED AGENT ROGER E. DUCKWORTH  
 ADDRESS P.O. BOX 1314 MORGANTOWN WV 26505 ADDRESS P.O. BOX 1314 MORGANTOWN W.V. 26505

FORM WW-6  
 HALLS INC. 068065

COUNTY NAME PERMIT

