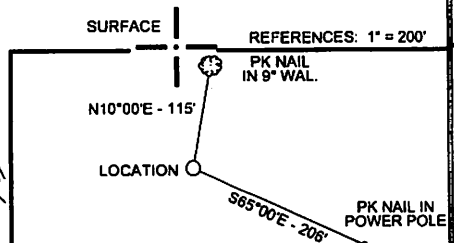


NOTE: NO BUILDING STRUCTURES IDENTIFIED WITHIN 200'

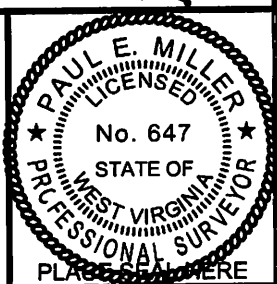
SURFACE HOLE	
STATE PLANE WV NORTH/SOUTH ZONE NAD 1927 N - 699,316.27 : E - 1,890,302.14	
LATITUDE: (N) 38.9198159 LONGITUDE: (W) 81.3855324	
UTM, NAD83 17 - 84W TO 78W, METERS N - 4,307,958.410 : E - 466,592.072	
BOTTOM HOLE	
STATE PLANE WV NORTH/SOUTH ZONE NAD 1927 N - 695,805.28 : E - 1,887,487.37	
LATITUDE: (N) 38.9101435 LONGITUDE: (W) 81.3953721	
UTM, NAD83 17 - 84W TO 78W, METERS N - 4,306,888.748 : E - 465,734.398	



FILE NO.	HR-478A.DGN
DRAWING NO.	HR-478
SCALE	1" = 1000'
MINIMUM DEGREE OF ACCURACY	1 : 200
PROVEN SOURCE OF ELEVATION	MAPPING GRADE GPS

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) Paul E. Miller  
R.P.E. \_\_\_\_\_ L.L.S. 647



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

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

DATE OCTOBER 29, 20 2012  
OPERATOR'S WELL NO. HR-478A  
API WELL NO. \_\_\_\_\_

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

LOCATION: ELEVATION 695' WATER SHED McCutcheon Run of Reedy Creek  
DISTRICT SPRING CREEK COUNTY WIRT  
QUADRANGLE REEDY, WV 7.5'

SURFACE OWNER OLEN ARCHER ACREAGE 124.5  
OIL & GAS ROYALTY OWNER McCutcheon, Bangarnet, Rudette, Nichols, Bangarnet LEASE ACREAGE 236.8  
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 LOWER HURON ESTIMATED DEPTH 8575' MD, 4335' TVD  
WELL OPERATOR HARD ROCK EXPLORATION, INC. DESIGNATED AGENT JAMES L. STEPHENS  
ADDRESS 1244 MARTINS BR. RD., CHARLESTON, WV 25312 ADDRESS SAME

**12/28/2012**

FORM WV-6

COUNTY NAME  
PERMIT