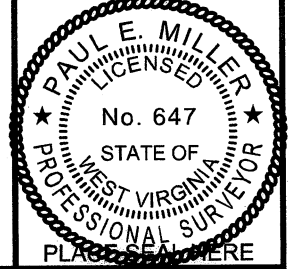


<b>SURFACE HOLE</b>	
STATE PLANE WV NORTH/SOUTH ZONE NAD 1927 N - 685,332.81 : E - 1,872,664.98	
LATITUDE: (N) 38.8812049 LONGITUDE: (W) 81.4472800	
UTM, NAD83 17 - 84W TO 78W, METERS N - 4,303,698.308 : E - 461,218.068	
<b>BOTTOM HOLE</b>	
STATE PLANE WV NORTH/SOUTH ZONE NAD 1927 N - 688,828.71 : E - 1,872,838.39	
LATITUDE: (N) 38.8908057 LONGITUDE: (W) 81.4467301	
UTM, NAD83 17 - 84W TO 78W, METERS N - 4,304,763.436 : E - 461,270.984	

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

FILE NO. HR-458A.DGN  
DRAWING NO. HR-458A  
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



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

DATE SEPTEMBER 21, 20 11  
OPERATOR'S WELL NO. HR-458A  
API WELL NO. 47 087 04713H

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

LOCATION: ELEVATION 970' WATER SHED MIDDLE FORK OF REEDY CREEK  
DISTRICT REEDY COUNTY ROANE  
QUADRANGLE REEDY, WV 7.5'

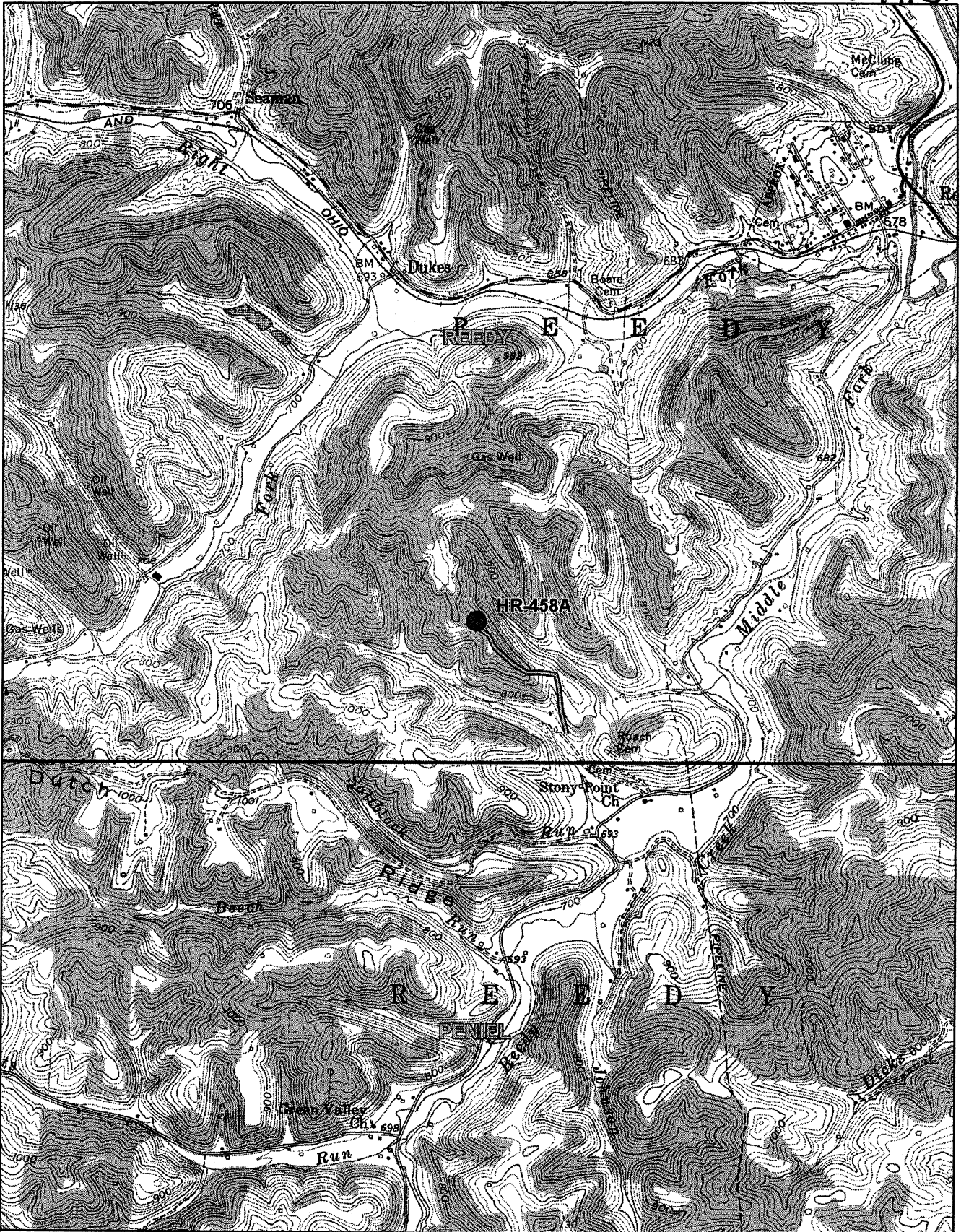
SURFACE OWNER JOHN E. TATTERSON ACREAGE 125  
OIL & GAS ROYALTY OWNER John Tatterson LEASE ACREAGE 125  
LEASE NO. \_\_\_\_\_

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 7950' MD; 4490' TVD  
WELL OPERATOR HARD ROCK EXPLORATION, INC. DESIGNATED AGENT JAMES L. STEPHENS  
ADDRESS 1244 MARTIN BR. RD., CHARLESTON, WV 25312 ADDRESS SAME

FORM WW-6

COUNTY NAME  
PERMIT



**DeLORME** Scale 1 : 25,000  
 1" = 2,083 ft

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 Zoom Level: 13-0 Datum: NAD27

0 200 400 600 800 1000 ft  
 0 200 400 600 800 1000 m

TN  
 MIN  
 7.2°W