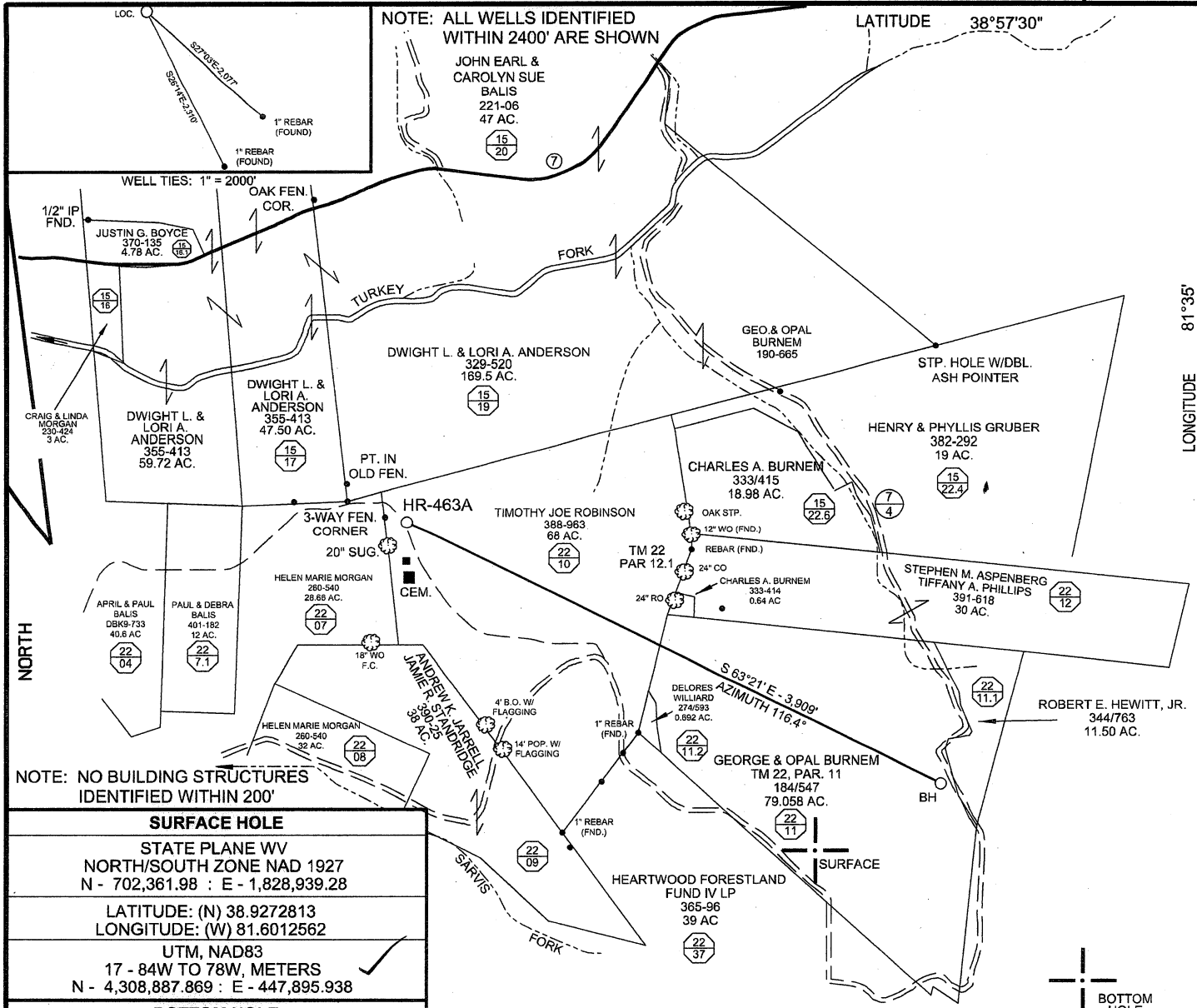


SURFACE ← 5,098' → BOTTOM HOLE ← 1,595' →



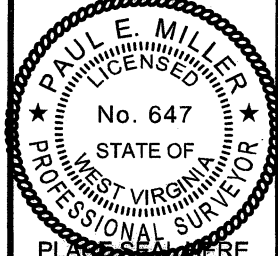
NOTE: NO BUILDING STRUCTURES IDENTIFIED WITHIN 200'

SURFACE HOLE	
STATE PLANE WV NORTH/SOUTH ZONE NAD 1927 N - 702,361.98 : E - 1,828,939.28	
LATITUDE: (N) 38.9272813 LONGITUDE: (W) 81.6012562	
UTM, NAD83 17 - 84W TO 78W, METERS N - 4,308,887.869 : E - 447,895.938	
BOTTOM HOLE	
STATE PLANE WV NORTH/SOUTH ZONE NAD 1927 N - 700,608.96 : E - 1,832,433.29	
LATITUDE: (N) 38.9225299 LONGITUDE: (W) 81.5889364	
UTM, NAD83 17 - 84W TO 78W, METERS N - 4,308,353.652 : E - 448,960.465	

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

FILE NO. HR-463A.DGN
 DRAWING NO. HR-463A
 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 OCTOBER 5, 20 11
 OPERATOR'S WELL NO. HR-463A
 API WELL NO. _____

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

LOCATION: ELEVATION 984' WATER SHED SARVIS FORK OF THE LEFT FORK OF SANDY CREEK
 DISTRICT RAVENSWOOD COUNTY JACKSON
 QUADRANGLE LIVERPOOL WV 7.5'

SURFACE OWNER TIMOTHY JOE ROBINSON ACREAGE 68
 OIL & GAS ROYALTY OWNER Paul Sheppard, Bush, Turner, Bush, Tarowsky, Robinson, Brown, Bradley, Young, Jarman EASE ACREAGE 147.058
 EASE NO. _____

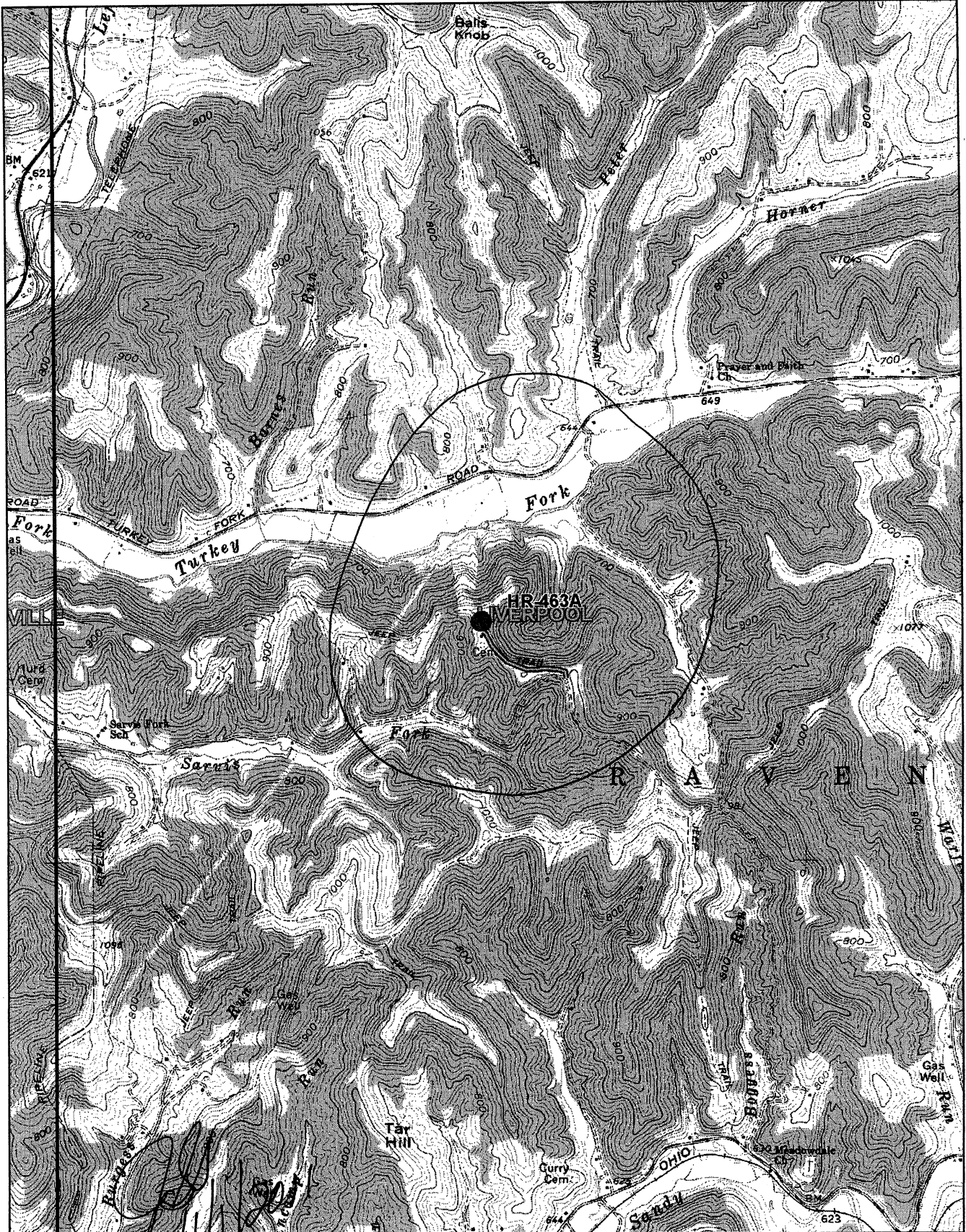
PROPOSED WORK: DRILL X CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE X PLUG OFF OLD FORMATION PERFORATE NEW FORMATION X OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

PLUG AND ABANDON CLEAN OUT AND REPLUG
 TARGET FORMATION LOWER HURON ESTIMATED DEPTH 8300' MD, 4520' 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

12/16/2011



DeLORME

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

