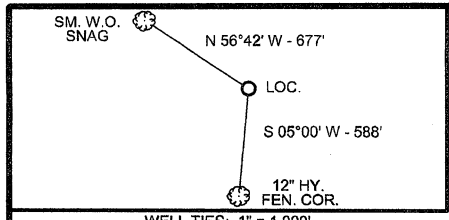


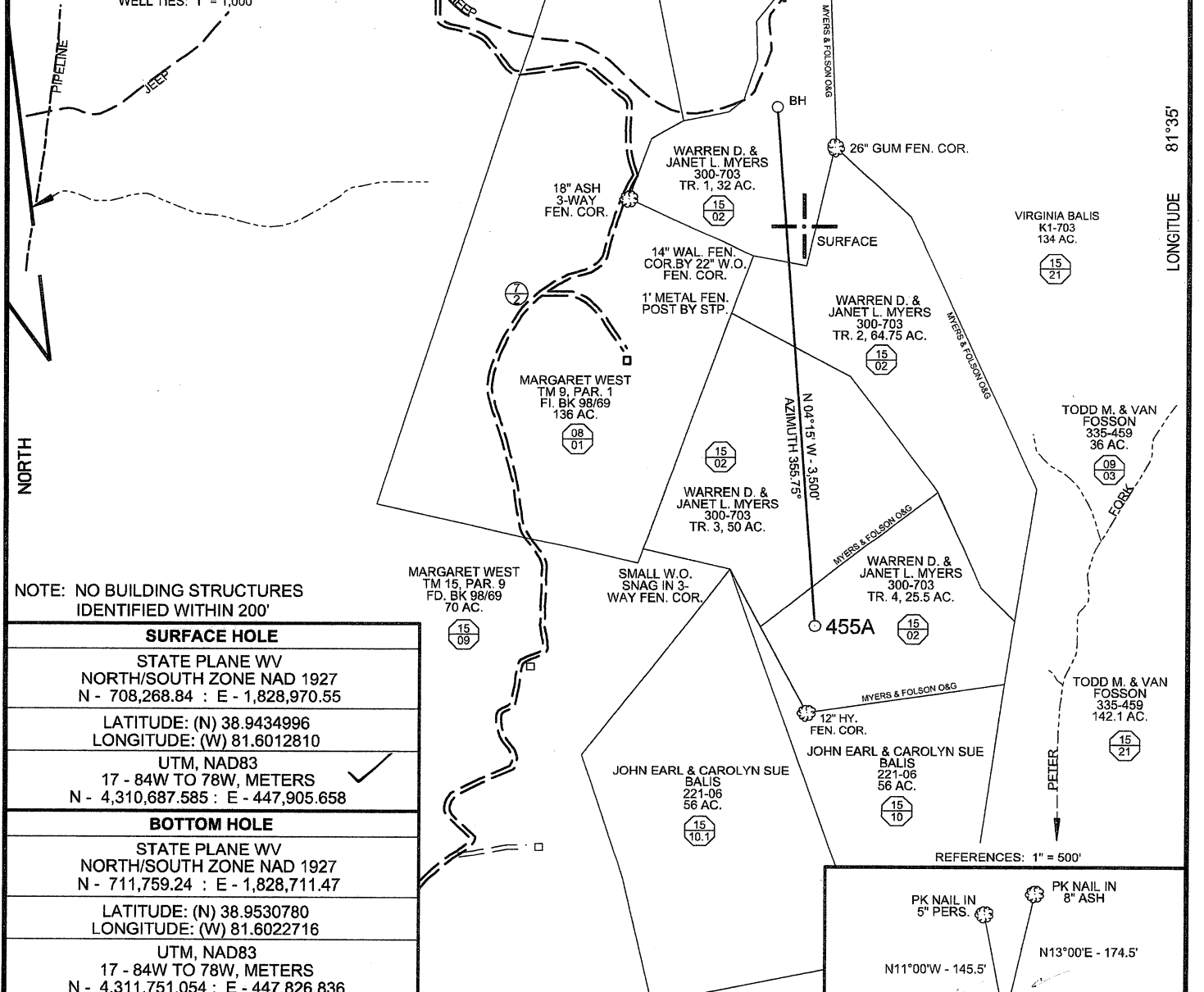
BOTTOM HOLE 5,377'

1,917'
5,406'
81°35'



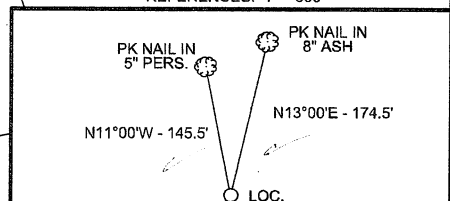
NOTE: ALL WELLS IDENTIFIED WITHIN 2400' ARE SHOWN

LATITUDE 38°57'30"



NOTE: NO BUILDING STRUCTURES IDENTIFIED WITHIN 200'

SURFACE HOLE	
STATE PLANE WV NORTH/SOUTH ZONE NAD 1927 N - 708,268.84 : E - 1,828,970.55	
LATITUDE: (N) 38.9434996 LONGITUDE: (W) 81.6012810	
UTM, NAD83 17 - 84W TO 78W, METERS N - 4,310,687.585 : E - 447,905.658	
BOTTOM HOLE	
STATE PLANE WV NORTH/SOUTH ZONE NAD 1927 N - 711,759.24 : E - 1,828,711.47	
LATITUDE: (N) 38.9530780 LONGITUDE: (W) 81.6022716	
UTM, NAD83 17 - 84W TO 78W, METERS N - 4,311,751.054 : E - 447,826.836	

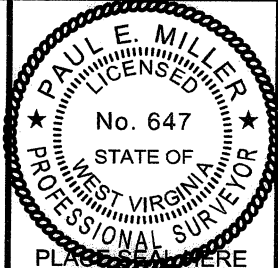


(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE NO.	HR-455A.DGN
DRAWING NO.	HR-455A
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 AUGUST 10, 20 11
OPERATOR'S WELL NO. HR-455A
API WELL NO. 47 035 03001H
STATE COUNTY PERMIT

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

LOCATION: ELEVATION 975' WATER SHED TURKEY FORK
DISTRICT RAVENSWOOD COUNTY JACKSON
QUADRANGLE LIVERPOOL, WV 7.5'

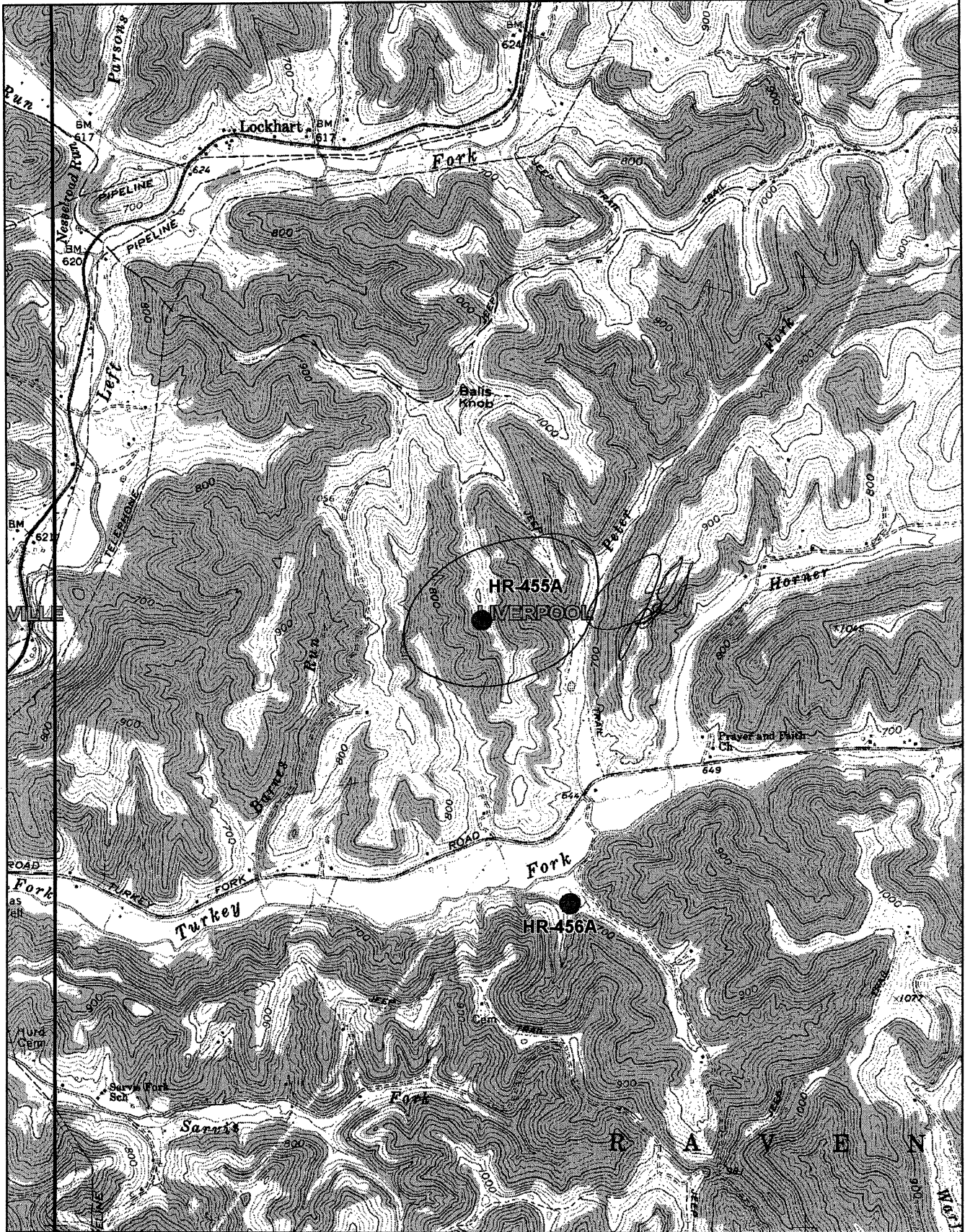
SURFACE OWNER WARREN D. & JANET L. MYERS ACREAGE TR. 4, 25.5
OIL & GAS ROYALTY OWNER WARREN D. & JANET L. MYERS et al LEASE ACREAGE 182
LEASE NO. _____

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 7920' MD; 4480' TUD
WELL OPERATOR HARD ROCK EXPLORATION, INC. DESIGNATED AGENT JAMES L. STEPHENS
ADDRESS 1244 MARTINS BR. RD., CHARLESTON, WV 25312 ADDRESS SAME

FORM WW-6

COUNTY NAME PERMIT



DELORME

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Zoom Level: 13-0 Datum: NAD27

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

