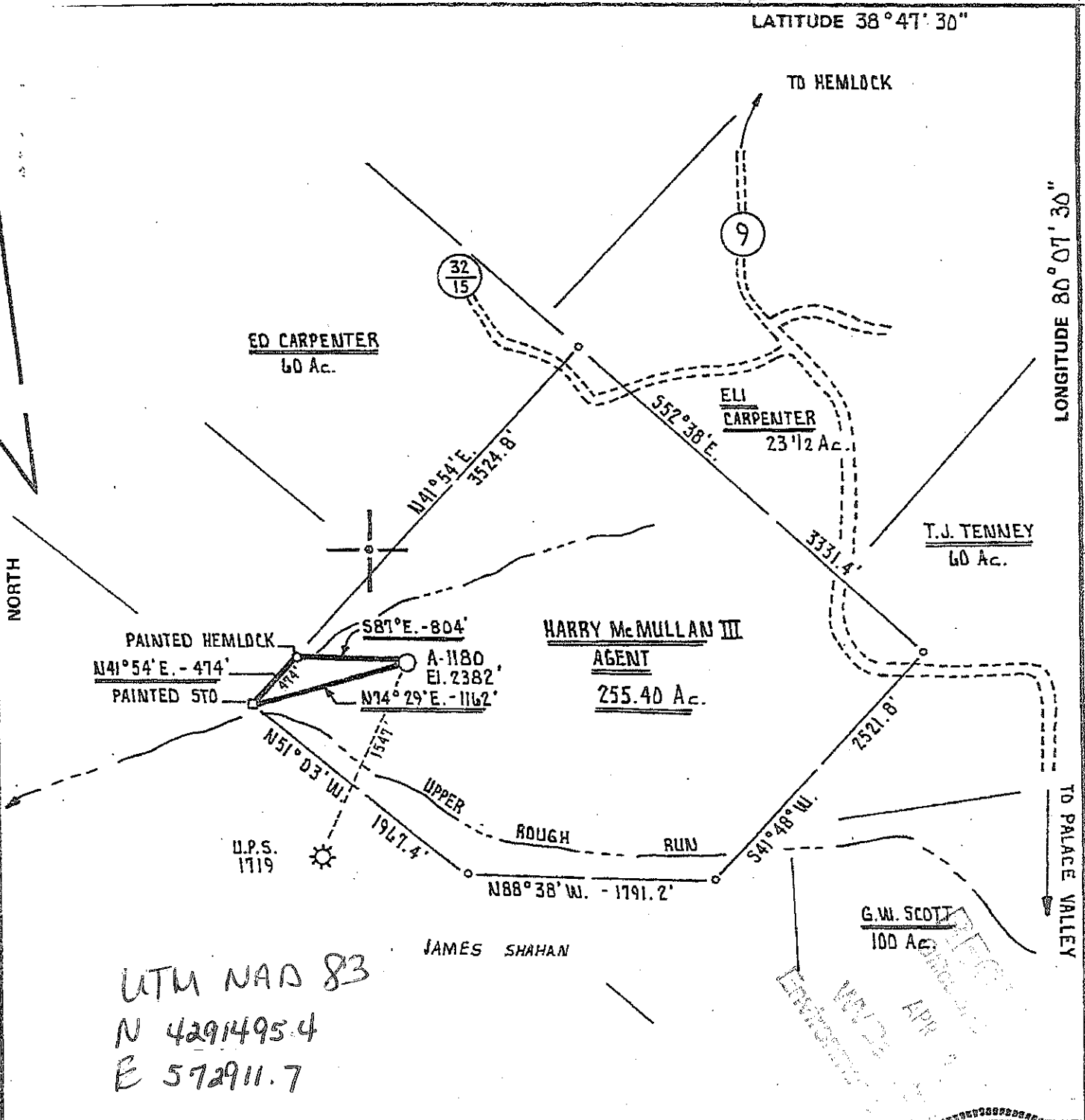


LATITUDE 38° 47' 30"

LONGITUDE 80° 07' 30"

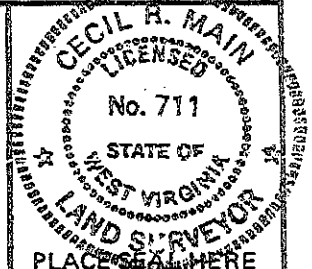
NORTH



UTM NAD 83
 N 4291495.4
 E 572911.7

FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY 1 PART IN 200
 PROVEN SOURCE OF ELEVATION BENCHMARK APPROX. 4,500' SE of LOCATION ELEV. 2547'

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 MINES.
 (SIGNED) Cecil R. Main
 R.P.E. _____ L.L.S. 711



STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION



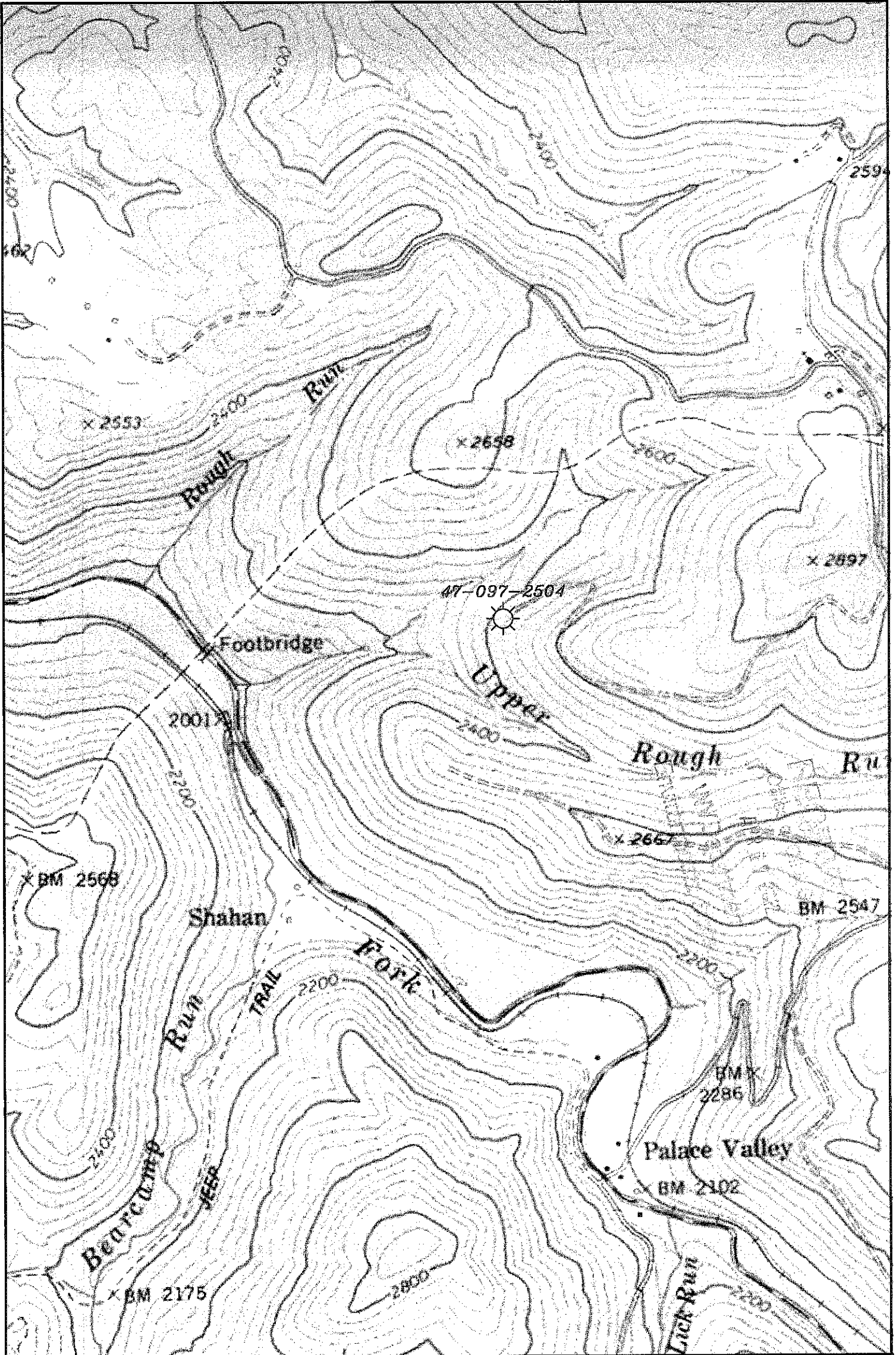
DATE SEPTEMBER 24th 19 82
 OPERATOR'S WELL NO. A-1180
 API WELL NO. 47 - 097 - 02504P
 STATE COUNTY PERMIT

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X
 LOCATION: ELEVATION 2382' WATER SHED UPPER ROUGH RUN
 DISTRICT WASHINGTON COUNTY UPSHUR
 QUADRANGLE ALTON 7.5'

SURFACE OWNER WESTVACO CORPORATION ACREAGE 255.40 Ac.
 OIL & GAS ROYALTY OWNER HARRY McMULLAN III AGENT LEASE ACREAGE 255.40 Ac.
 LEASE NO. _____

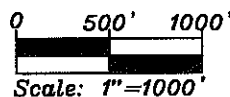
PROPOSED WORK: DRILL X CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE ___ PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
 TARGET FORMATION ELK ESTIMATED DEPTH 5100'
 WELL OPERATOR ALLEGHENY LAND and MINERAL CO. DESIGNATED AGENT DANIEL L. WHEELER
 ADDRESS P.O. BOX 1740 ADDRESS P.O. BOX 1740
CLARKSBURG, WEST VIRGINIA 26302-1740 CLARKSBURG, WEST VIRGINIA 26302-1740



WELL: A-1180
 PERMIT #: 47-097-2504
 QUAD: ALTON 7 1/2'
 DISTRICT: BANKS
 COUNTY: UPSHUR
 STATE: WEST VIRGINIA

GEOGRAPHIC NAD27
 Latitude: 38.769059
 Longitude: 80.160911
UTM NAD83 (Meters)
 4291495.4 N
 572911.7 E



Chesapeake
 ENERGY
 P.O. Box 18486 Oklahoma City, OK 73154-0486