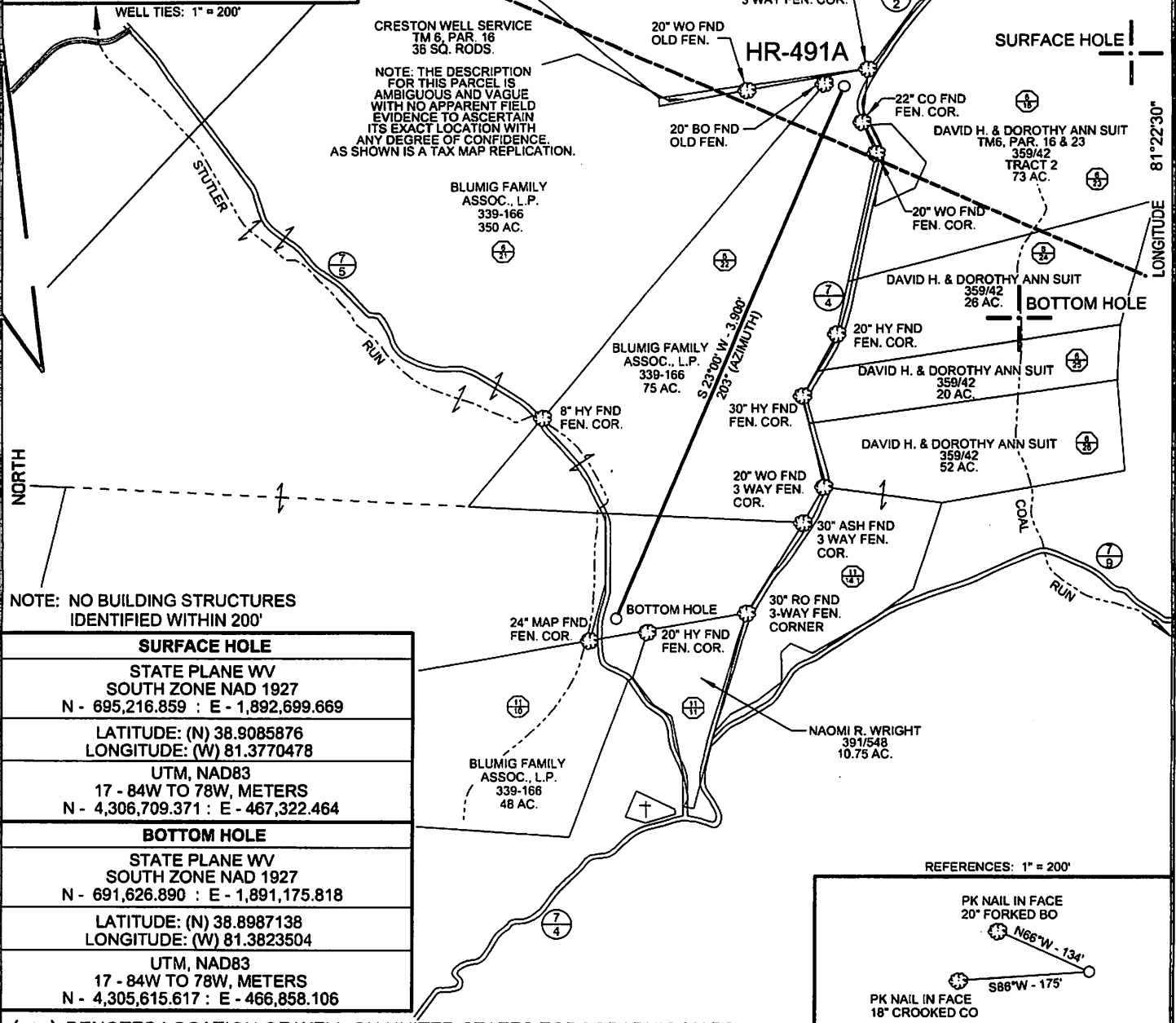
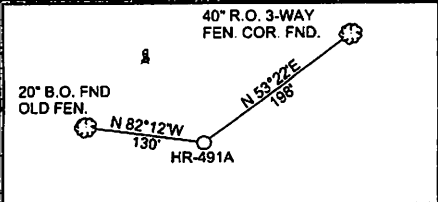


SURFACE HOLE 581' ← 2,089' →

NOTE: ALL WELLS IDENTIFIED WITHIN 2400' ARE SHOWN

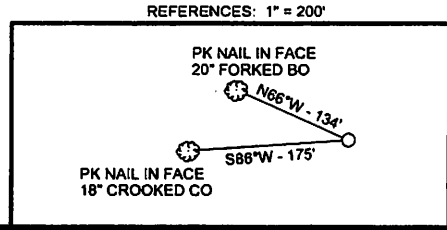
LATITUDE 38°55'00"



NOTE: THE DESCRIPTION FOR THIS PARCEL IS AMBIGUOUS AND VAGUE WITH NO APPARENT FIELD EVIDENCE TO ASCERTAIN ITS EXACT LOCATION WITH ANY DEGREE OF CONFIDENCE. AS SHOWN IS A TAX MAP REPLICATION.

NOTE: NO BUILDING STRUCTURES IDENTIFIED WITHIN 200'

SURFACE HOLE	
STATE PLANE WV SOUTH ZONE NAD 1927	N - 695,216.859 : E - 1,892,699.669
LATITUDE: (N) 38.9085876	LONGITUDE: (W) 81.3770478
UTM, NAD83	17 - 84W TO 78W, METERS
N - 4,306,709.371	E - 467,322.464
BOTTOM HOLE	
STATE PLANE WV SOUTH ZONE NAD 1927	N - 691,626.890 : E - 1,891,175.818
LATITUDE: (N) 38.8987138	LONGITUDE: (W) 81.3823504
UTM, NAD83	17 - 84W TO 78W, METERS
N - 4,305,615.617	E - 466,858.106

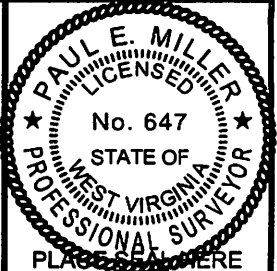


(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE NO. HR-491A.DGN
 DRAWING NO. HR-491A
 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.I.S. 647



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

DATE OCTOBER 18, 20 12
 OPERATOR'S WELL NO. HR-491A
 API WELL NO. 47 105 01365H
 STATE COUNTY PERMIT

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

LOCATION: ELEVATION 1,110' WATER SHED McCUTCHEON RUN OF REEDY CREEK
 DISTRICT SPRING CREEK COUNTY WIRT
 QUADRANGLE REEDY, WV 7.5'

SURFACE OWNER BLUMIG FAMILY ASSOCIATES, L.P. ACREAGE 75
 OIL & GAS ROYALTY OWNER Blumig Family Associates, L.P. LEASE ACREAGE 32.15
 LEASE NO. _____

PROPOSED WORK: DRILL CONVERT X 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 8395' MD; 4745' TUD
 WELL OPERATOR HARD ROCK EXPLORATION, INC. DESIGNATED AGENT JIM STEPHENS
 ADDRESS 1244 MARTIN'S BRANCH ROAD, CHARLESTON WV 25312 ADDRESS SAME

FORM WW-6

COUNTY NAME

PERMIT

12/28/2012