

BOTTOM 7,903'

LATITUDE 38°47'30"

NOTE: ALL WELLS IDENTIFIED WITHIN 2400' ARE SHOWN

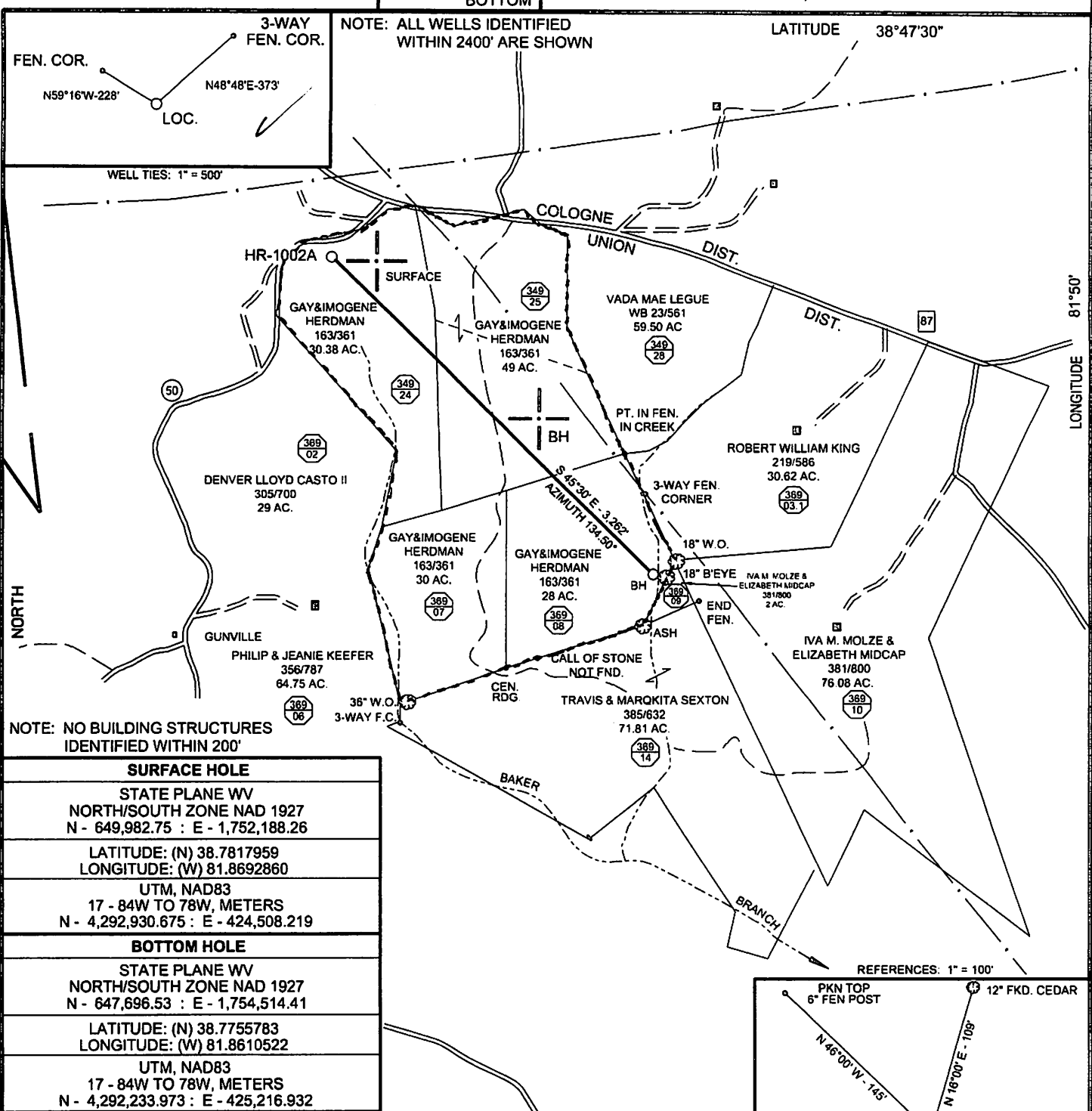
FEN. COR.

3-WAY FEN. COR.

N59°16'W-228'
N48°48'E-373'
LOC.

WELL TIES: 1" = 500'

5,870'
SURFACE
81°50'
LONGITUDE
BOTTOM



NOTE: NO BUILDING STRUCTURES IDENTIFIED WITHIN 200'

SURFACE HOLE

STATE PLANE WV
NORTH/SOUTH ZONE NAD 1927
N - 649,982.75 : E - 1,752,188.26

LATITUDE: (N) 38.7817959
LONGITUDE: (W) 81.8692860

UTM, NAD83
17 - 84W TO 78W, METERS
N - 4,292,930.675 : E - 424,508.219

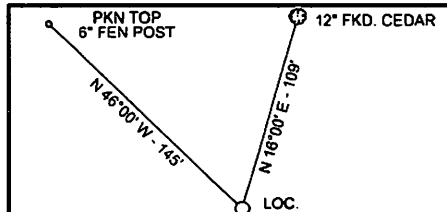
BOTTOM HOLE

STATE PLANE WV
NORTH/SOUTH ZONE NAD 1927
N - 647,696.53 : E - 1,754,514.41

LATITUDE: (N) 38.7755783
LONGITUDE: (W) 81.8610522

UTM, NAD83
17 - 84W TO 78W, METERS
N - 4,292,233.973 : E - 425,216.932

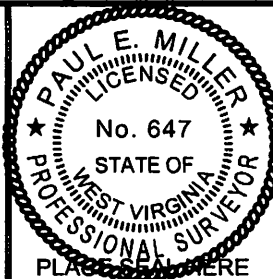
REFERENCES: 1" = 100'



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

FILE NO. HR-1002A.DGN
 DRAWING NO. HR-1002A
 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 12, 20 11
 OPERATOR'S WELL NO. HR-1002A
 API WELL NO.

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS,") PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION 938' WATER SHED BAKER BRANCH OF THIRTEENMILE CREEK
 DISTRICT UNION COUNTY MASON
 QUADRANGLE COTTAGEVILLE, WV 7.5'

SURFACE OWNER GAY R. & IMOGENE HERDMAN ACREAGE 30.38
 OIL & GAS ROYALTY OWNER Hartley; Herdman LEASE ACREAGE 137.38
 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) _____

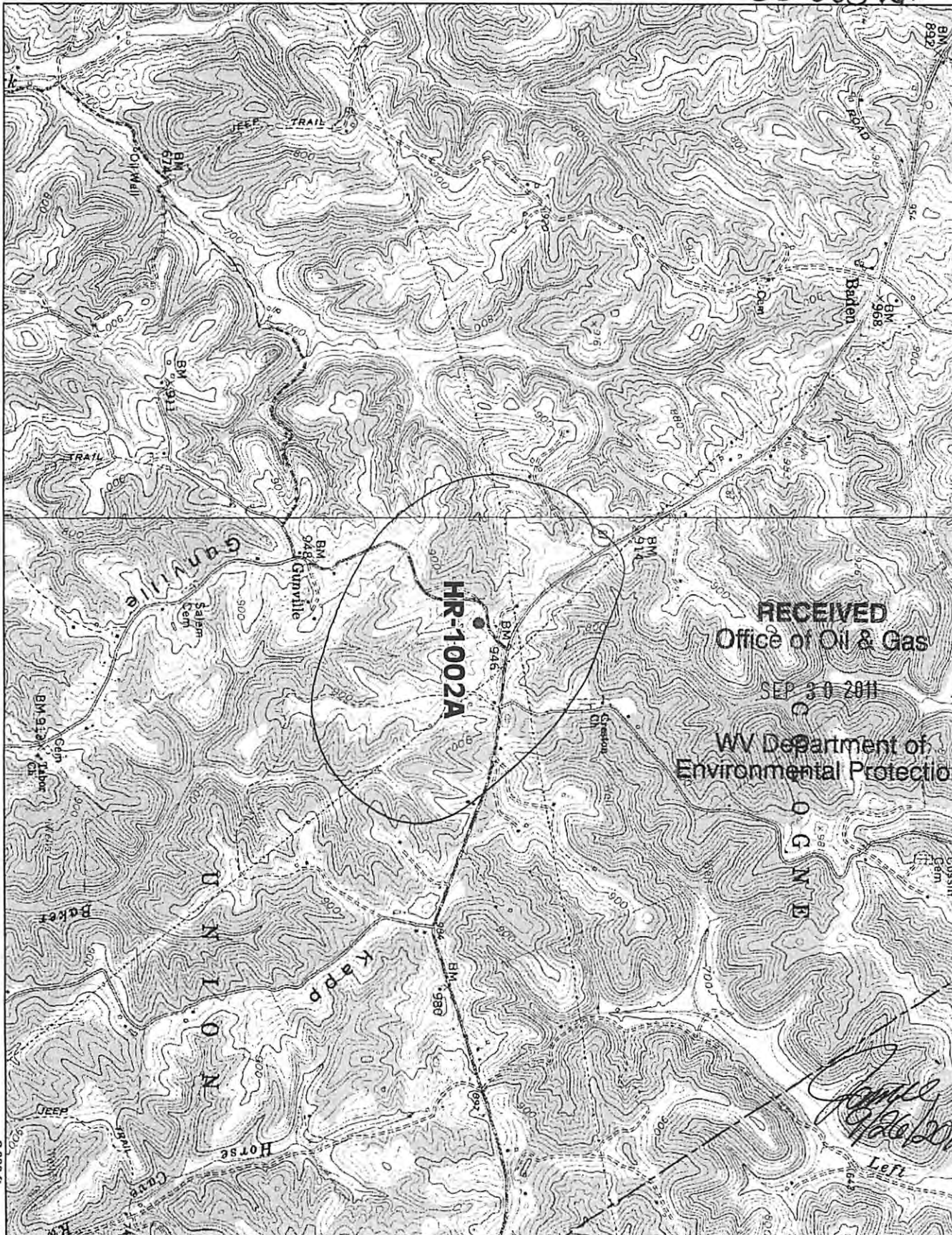
PLUG AND ABANDON CLEAN OUT AND REPLUG
 TARGET FORMATION LOWER HURON ESTIMATED DEPTH 7105' MD; 3950' TVD
 WELL OPERATOR HARD ROCK EXPLORATION, INC. DESIGNATED AGENT JAMES L. STEPHENS
 ADDRESS 1244 MARTIN BR. RD., CHARLESTON, WV 25312 ADDRESS SAME

FORM WW-6

COUNTY NAME

PERMIT

53-00546H



RECEIVED
 Office of Oil & Gas
 SEP 30 2011
 WV Department of
 Environmental Protection

O G N E

James
 9/26/2011
 Left

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 Scale: 1 : 24,000 Zoom Level: 13-0 Datum: NAD27 Map Rotation: 0° Magnetic Declination: 6.9°W

2,000 ft