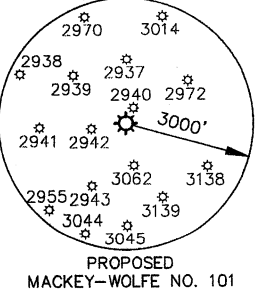


WELL (SURFACE)
 MACKEY-WOLFE NO. 101
 WV-N (NAD 27)
 N: 275329.713
 E: 1890430.563
 LAT: 39.255295
 LON: -79.886928
 UTM (NAD 83)
 N: 14257547.243
 E: 1955554.565

LINE	BEARING	DIST.
R1	N 26° 16' 05" W	255.36'
R2	S 87° 59' 24" E	241.70'



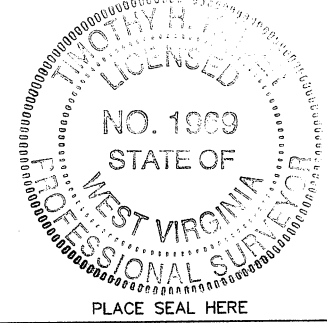
NOTES:
 1. THERE ARE NO DWELLINGS WITHIN 200' OF PROPOSED WELL.
 2. PROPOSED WELL IS GREATER THAN 100' FROM THE MINERAL LINE.
 3. THE LOCATION OF BOUNDARY LINES ARE BASED ON RECORDED DEED DESCRIPTIONS AND NOT BASED ON AN ACTUAL FIELD SURVEY.
 (+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.



240 Scott Avenue, Suite 1
 Morgantown, WV 26508
 (304) 284-9222
 Fax (304) 284-9223
 hrg@hrg-inc.com
 www.hrg-inc.com

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) *John Nock*
 R.P.E. _____ L.L.S. _____ 1969



FILE NO. R006198.0427
 DRAWING NO. WELL NO. 101 PLAT
 SCALE 1" = 2000'
 MINIMUM DEGREE OF ACCURACY 1 : 2500
 PROVEN SOURCE OF ELEVATION GPS (SURVEY GRADE)

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



DATE OCTOBER, 2011
 OPERATOR'S WELL NO. MACKEY-WOLFE NO. 101
 API WELL NO. _____

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION ___ STORAGE ___ DEEP X SHALLOW ___
 LOCATION: ELEVATION 1,624 WATERSHED: LITTLE COVE RUN
 DISTRICT: COVE COUNTY: BARBOUR
 QUADRANGLE: THORNTON, WV

47 - 001 - 03264
 STATE COUNTY PERMIT

SURFACE OWNER: JOHN M. WOLFE ACREAGE: ±229
 OIL & GAS ROYALTY OWNER: JOHN M. WOLFE & MARGARET MACKEY LEASE ACREAGE: ±229

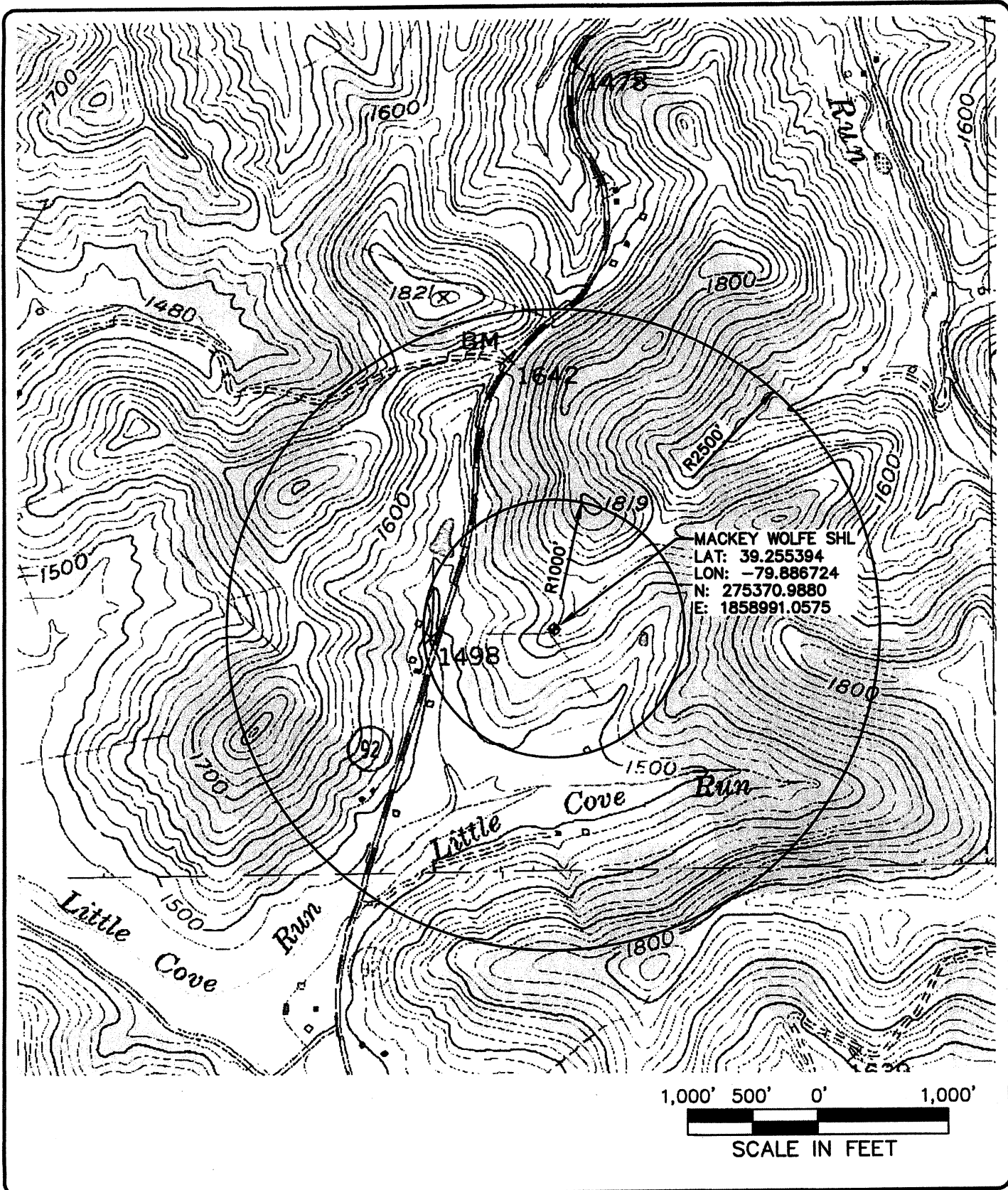
LEASE NO. _____
 PROPOSED WORK: DRILL X CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE X
 PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ PLUG AND ABANDON ___
 CLEAN OUT AND REPLUG ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

TARGET FORMATION: MARCELLUS SHALE ESTIMATED DEPTH: 8200'
 WELL OPERATOR: MOUNTAINEER-KEYSTONE LLC DESIGNATED AGENT: JOHN NOCK
 ADDRESS: 1111 VAN VOORHIS RD., SUITE G ADDRESS: 1111 VAN VOORHIS RD., SUITE G
MORGANTOWN, WV 26505 MORGANTOWN, WV 26505

File name: C:\Civil 3D Projects\006198_0427\Plan Sets\PERMIT\0061980427_PLAT.dwg Layout: PLAT Oct 25, 2011 10:52am rwatson FORM WV-6

01/20/2012

1-032604



File name: P:\0001\0001196_0427\0001196_0427-11.dwg Layout11.dwg Oct 04, 2011 10:33am dshay

HRG
 Human Resources & Related Services
 200 West Kensington Drive, Suite 400
 Cranberry Township, PA 16066
 (724) 779-6777
 Fax (724) 779-4711
 hr@hr-inc.com
 www.hr-inc.com

**MACKEY WOLFE WELL PAD
 TOPOGRAPHIC LOCATION MAP
 FOR
 MOUNTAINEER KEYSTONE, LLC**

COVE DISTRICT BARBOUR COUNTY WEST VIRGINIA

PROJ. MGR. - RMV
DESIGN - CAB
CADD - CAB
CHECKED - RMV
SCALE - 1" = 1000'
DATE - OCT. 2011

DRAWING NO.
LM-01
 PROJECT 006196.0427