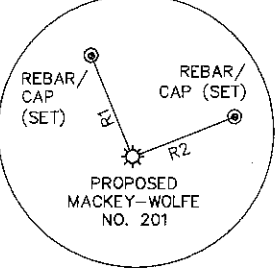
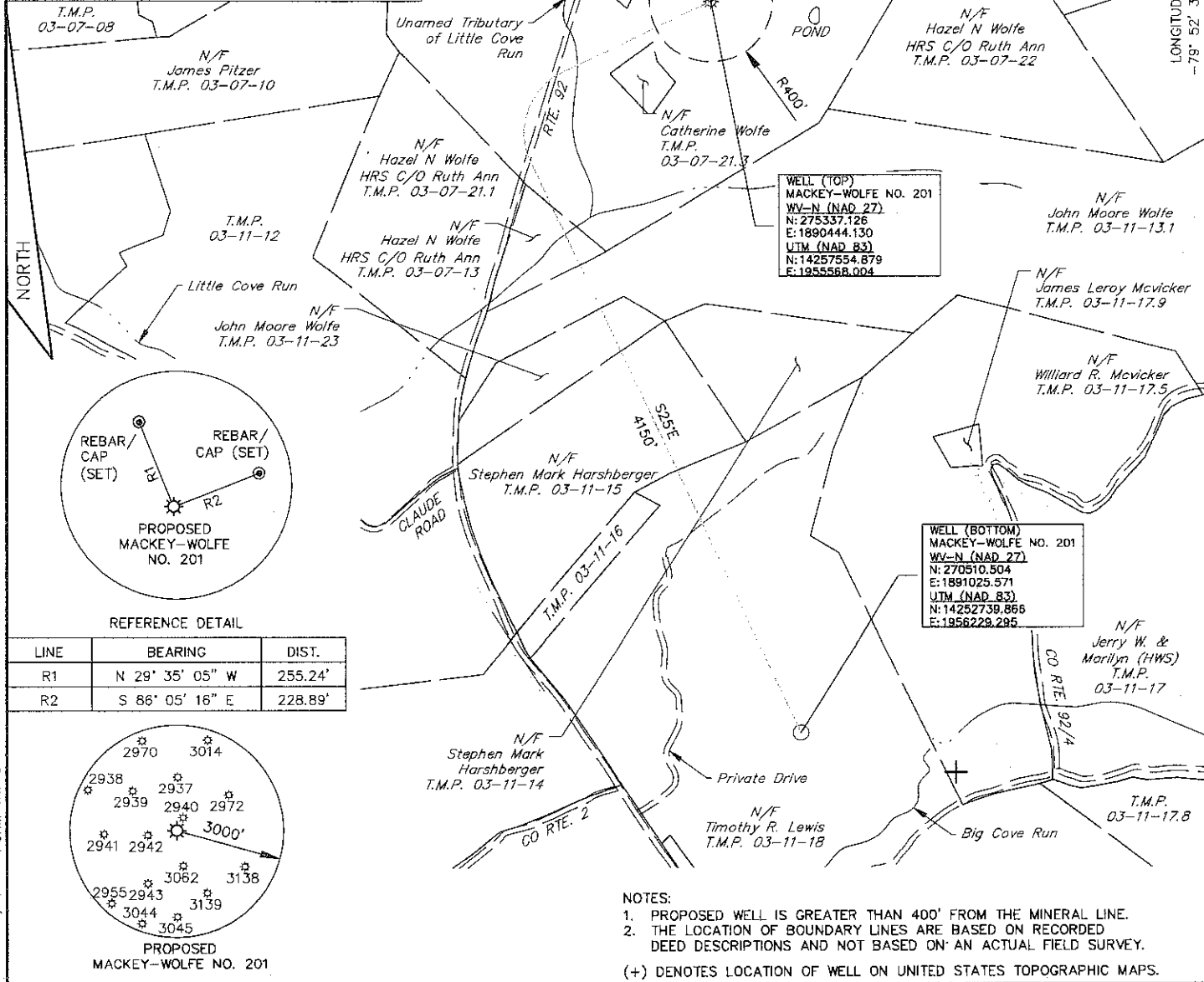
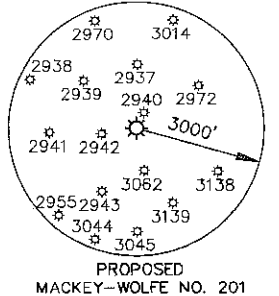


GAS LEASE INFORMATION		
TAX MAP	PARCEL	GAS ROYALTY OWNER
03-07	21	MARGARET MACKEY AND JOHN M. WOLFE
03-07	13	CATHERINE M. WOLFE AND DORWIN J. WOLFE
03-11	13.1	JOHN MOORE WOLFE & BIGELOW LODGE #52 AF & AM
03-11	23	BIGELOW LODGE #52 AF & AM
03-11	15	BIGELOW LODGE #52 AF & AM AND STEPHEN HARSHBERGER
03-11	18	TIMOTHY R. LEWIS



LINE	BEARING	DIST.
R1	N 29° 35' 05" W	255.24'
R2	S 86° 05' 16" E	228.89'



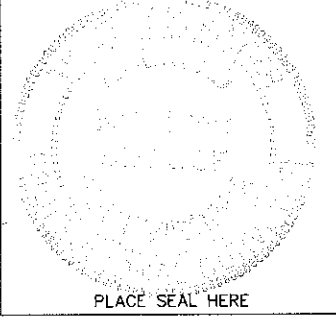
NOTES:  
 1. PROPOSED WELL IS GREATER THAN 400' FROM THE MINERAL LINE.  
 2. THE LOCATION OF BOUNDARY LINES ARE BASED ON RECORDED DEED DESCRIPTIONS AND NOT BASED ON AN ACTUAL FIELD SURVEY.  
 (+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.

File name: C:\Civil 3D Projects\006198\_0427\Plan Sets\PERMIT\0061980427\_2012\PLAT.dwg Layout: 201PLAT Feb 28, 2012 11:23am cfahey FORM WW-6



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 H. Nock*  
 R.P.E. \_\_\_\_\_ L.L.S. \_\_\_\_\_ 1969



FILE NO. R006198.0427  
 DRAWING NO. WELL NO. 201 PLAT  
 SCALE 1" = 1000'  
 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

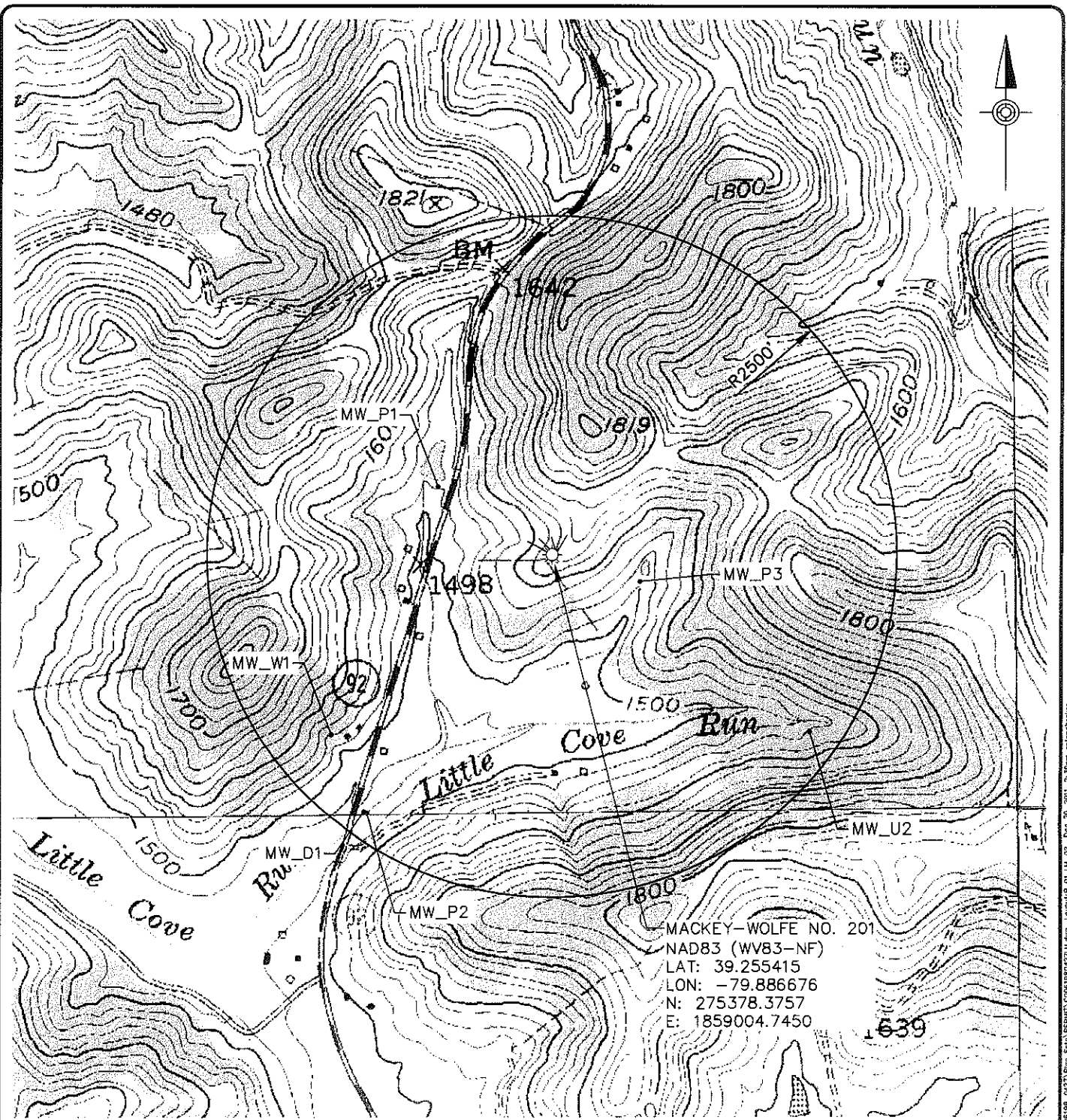


DATE FEBRUARY, 2012  
 OPERATOR'S WELL NO. MACKEY-WOLFE NO. 201  
 API WELL NO. \_\_\_\_\_

WELL TYPE: OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL   
 (IF "GAS,") PRODUCTION  STORAGE  DEEP  SHALLOW   
 LOCATION: ELEVATION 1,624 WATERSHED: LITTLE COVE RUN  
 DISTRICT: COVE COUNTY: BARBOUR  
 QUADRANGLE: THORNTON, WV  
 SURFACE OWNER: MARGARET MACKEY & JOHN M. WOLFE ACREAGE: ±229  
 OIL & GAS ROYALTY OWNER: SEE TABLE ABOVE LEASE ACREAGE: ±996  
 LEASE NO. \_\_\_\_\_  
 PROPOSED WORK: DRILL  CONVERT  DRILL DEEPER  REDRILL  FRACTURE OR STIMULATE   
 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: 7,826  
 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

08/03/2012

BARBOUR COUNTY PERMIT



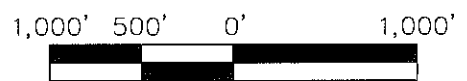
MACKEY-WOLFE NO. 201  
 NAD83 (WV83-NF)  
 LAT: 39.255415  
 LON: -79.886676  
 N: 275378.3757  
 E: 1859004.7450

File name: C:\Civil 3D Projects\006198\_0427\Plan Set\PERMIT\0061980427.LA.dwg Layout: 01 LM-02 Date: 30, 2011-2:35pm c:\msb\robert

**NOTES:**

1. USGS TOPOGRAPHIC MAP:  
 FELLOWSVILLE, WV 7.5' USGS QUADRANGLE
2. ALL COORDINATES SHOWN ARE IN WV STATE  
 PLANE-NORTH (NAD 83) WV83-NF.

**GRAPHIC SCALE**



SCALE: 1" = 1,000'

**HRG**  
 Herbert Rowland & Sarah, Inc.  
 Engineering & Related Services

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

**MACKEY-WOLFE NO. 201 WELL PAD  
 WATER SOURCE LOCATION MAP PLAN  
 FOR  
 MOUNTAINEER KEYSTONE, LLC**

COVE DISTRICT BARBOUR COUNTY WEST VIRGINIA

PROJ MGR. - THK
DESIGN - RMW
CADD - CES
CHECKED - RMW
SCALE - 1" = 1000'
DATE - NOV. 2011

DRAWING NO.  
**LM-02**  
 PROJECT 006198.0427