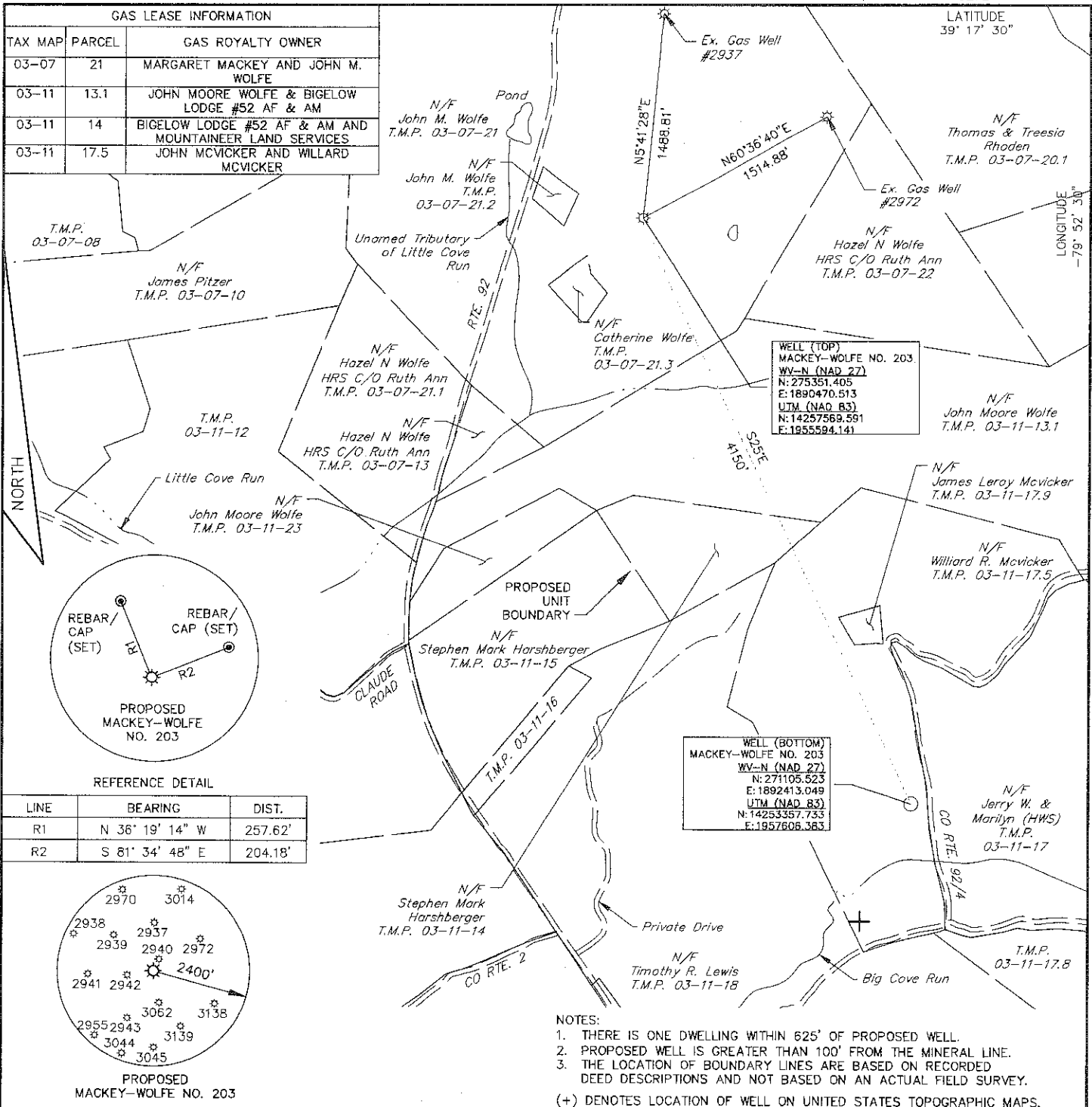


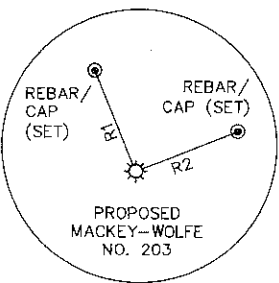
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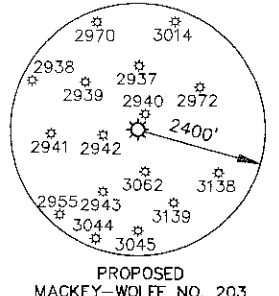
GAS LEASE INFORMATION		
TAX MAP	PARCEL	GAS ROYALTY OWNER
03-07	21	MARGARET MACKEY AND JOHN M. WOLFE
03-11	13.1	JOHN MOORE WOLFE & BIGELOW LODGE #52 AF & AM
03-11	14	BIGELOW LODGE #52 AF & AM AND MOUNTAINEER LAND SERVICES
03-11	17.5	JOHN MCVICKER AND WILLARD MCVICKER

WELL (TOP)  
 MACKEY-WOLFE NO. 203  
 WV-N (NAD 27)  
 N: 275351.405  
 E: 1890470.513  
 UTM (NAD 83)  
 N: 14257569.591  
 E: 1955594.141

WELL (BOTTOM)  
 MACKEY-WOLFE NO. 203  
 WV-N (NAD 27)  
 N: 271105.523  
 E: 1892413.049  
 UTM (NAD 83)  
 N: 14253357.733  
 E: 1957608.383



LINE	BEARING	DIST.
R1	N 36° 19' 14" W	257.62'
R2	S 81° 34' 48" E	204.18'



NOTES:  
 1. THERE IS ONE DWELLING WITHIN 625' 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.

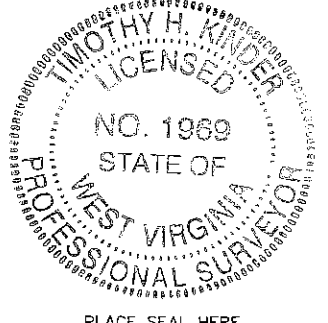
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 rwatson  
 Layout: 203PLAT.dwg  
 Projects: 006198\_0427  
 Plan Sets: PERMIT\_0061980427\_203PLAT.dwg  
 File name: C:\Civil\_3D\Projects\006198\_0427\Plan Sets\PERMIT\_0061980427\_203PLAT.dwg



240 Scott Avenue, Suite 1  
 Morgantown, WV 26508  
 (304) 284-9222  
 Fax (304) 284-9223  
 hr@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) *Timothy H. Kinder*  
 R.P.E. \_\_\_\_\_ L.L.S. \_\_\_\_\_ 1969



FILE NO. R006198.0427  
 DRAWING NO. WELL NO. 203 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 JANUARY, 2012  
 OPERATOR'S WELL NO. MACKEY-WOLFE NO. 203  
 API WELL NO. \_\_\_\_\_

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

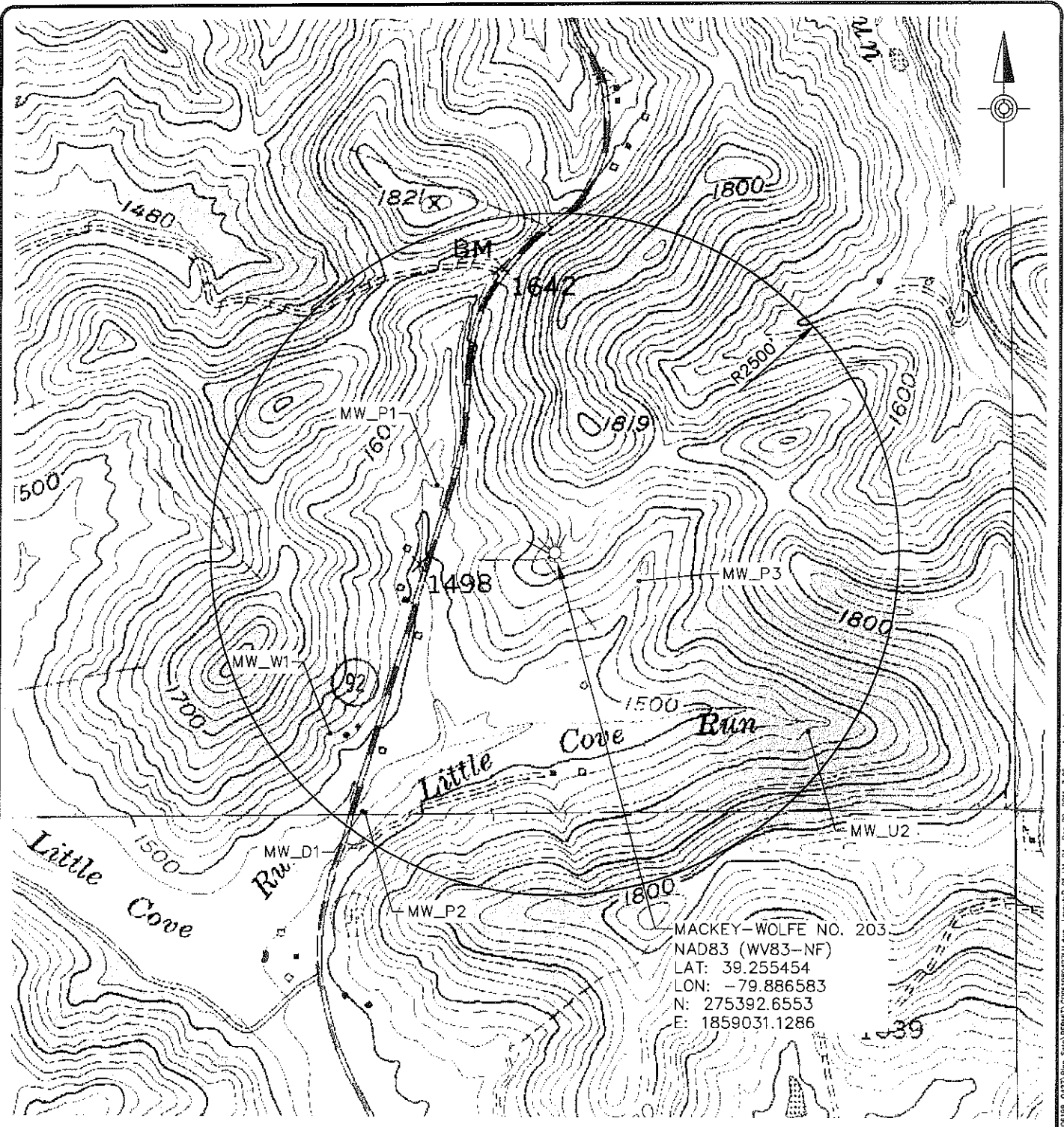
47 - 01 - 3267 6HA  
 STATE COUNTY PERMIT

TARGET FORMATION: MARCELLUS SHALE ESTIMATED DEPTH: 7,785, 12,950  
 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

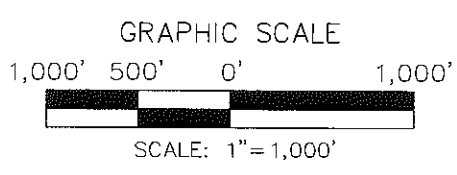
BARBOUR COUNTY PERMIT

07/06/2012

1-3267



- 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



File name: G:\Chir\_3D Projects\006198\_0427\Pen Sta\PERMIT\0061980427\LM-04.dwg Layer: B 01 LM-04 Dec 20, 2011 3:05pm catherine

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

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 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-04**  
 PROJECT 006198.0427

07/06/2012