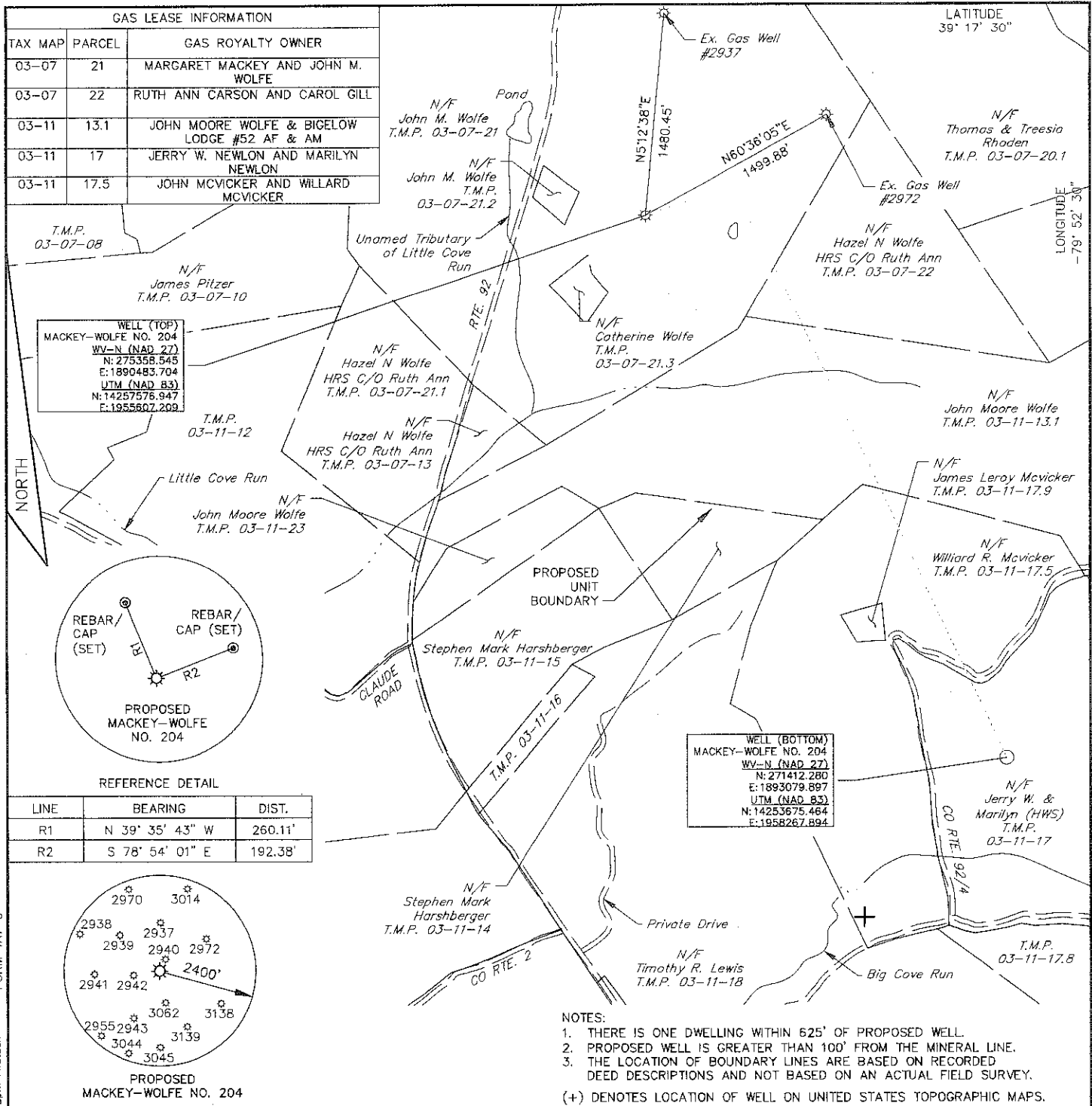


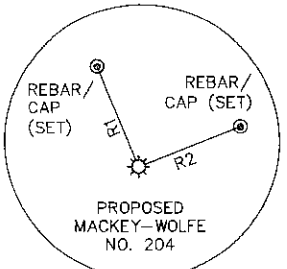
1-03268



| GAS LEASE INFORMATION |        |  |
|-----------------------|--------|--|
| TAX MAP               | PARCEL | GAS ROYALTY OWNER                            |
| 03-07                 | 21     | MARGARET MACKEY AND JOHN M. WOLFE            |
| 03-07                 | 22     | RUTH ANN CARSON AND CAROL GILL               |
| 03-11                 | 13.1   | JOHN MOORE WOLFE & BIGELOW LODGE #52 AF & AM |
| 03-11                 | 17     | JERRY W. NEWLON AND MARILYN NEWLON           |
| 03-11                 | 17.5   | JOHN MCVICKER AND WILLARD MCVICKER           |

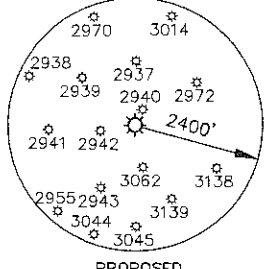
WELL (TOP)  
MACKEY-WOLFE NO. 204  
WV-N (NAD 27)  
N: 275358.545  
E: 1890483.704  
UTM (NAD 83)  
N: 14257576.947  
E: 1955807.209

WELL (BOTTOM)  
MACKEY-WOLFE NO. 204  
WV-N (NAD 27)  
N: 271412.280  
E: 1893079.897  
UTM (NAD 83)  
N: 14253675.464  
E: 1958267.894



REFERENCE DETAIL

| LINE | BEARING         | DIST.   |
|------|-----------------|---------|
| R1   | N 39° 35' 43" W | 260.11' |
| R2   | S 78° 54' 01" E | 192.38' |



PROPOSED MACKEY-WOLFE NO. 204

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.

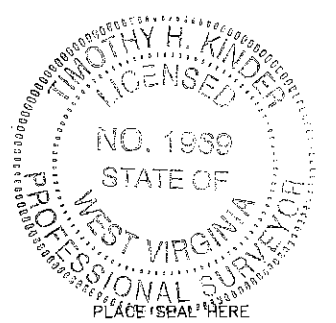
File name: C:\Civl\30\Projects\006198\_0427\Plan Sets\PERMIT\0061980427\_204PLAT.dwg Layout: 204PLAT Jan 18, 2012 - 6:02pm rwatson FORM WW-6



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Fax (304) 284-9223  
hrghrg@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) [Signature]  
R.P.E. \_\_\_\_\_ L.L.S. \_\_\_\_\_ 1969



FILE NO. RO06198.0427  
DRAWING NO. WELL NO. 204 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 DECEMBER, 2011  
OPERATOR'S WELL NO. MACKEY-WOLFE NO. 204  
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

47 - 01 - 3268 H6A  
STATE COUNTY PERMIT

SURFACE OWNER: MARGARET MACKEY & JOHN M. WOLFE ACREAGE: ±229  
OIL & GAS ROYALTY OWNER: SEE TABLE ABOVE LEASE ACREAGE: ±531.33  
LEASE NO. \_\_\_\_\_

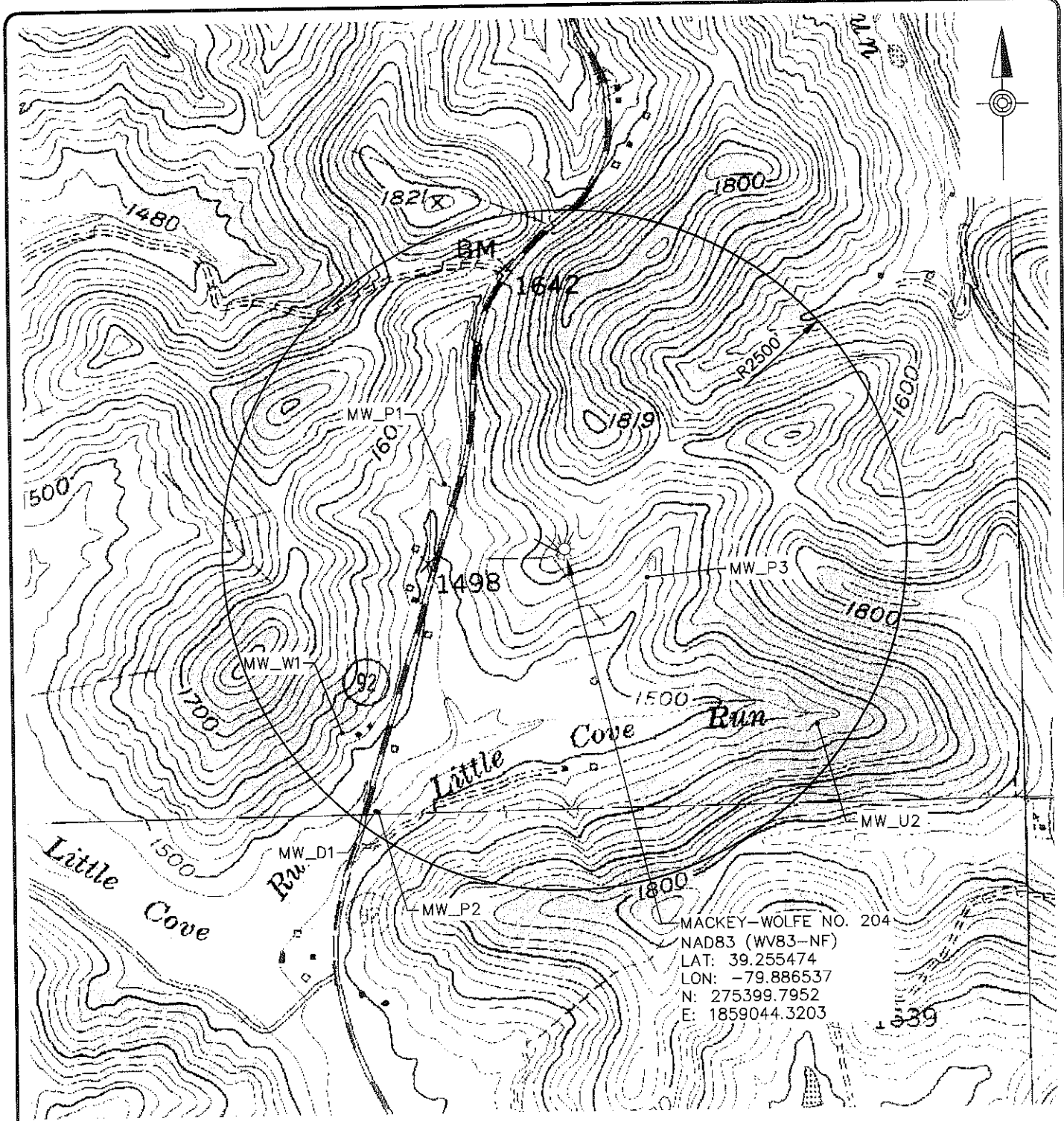
PROPOSED WORK: DRILL X CONVERT \_\_\_ DRILL DEEPER \_\_\_ REDRILL \_\_\_ FRACTURE OR STIMULATE X  
PLUG OFF OLD FORMATION \_\_\_ PERFORATE NEW FORMATION \_\_\_ PLUG AND ABANDON \_\_\_  
CLEAN OUT AND REPLUG \_\_\_ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_

TARGET FORMATION: MARCELLUS SHALE ESTIMATED DEPTH: XXXX  
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

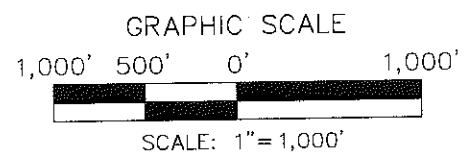
1-3268



MACKEY-WOLFE NO. 204  
 NAD83 (WV83-NF)  
 LAT: 39.255474  
 LON: -79.886537  
 N: 275399.7952  
 E: 1859044.3203

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



**HRG**  
 Herbert, Rowland & Grubic, Inc.  
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 hrq@hrq-inc.com  
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**MACKEY-WOLFE NO. 204 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-05**  
 PROJECT 006198.0427

File name: C:\Gis\3D Projects\006198\_0427\Plan Sets\PERMIT\006198\0427.Mxd Layout 6 of LM-05 Date 20-11-11 3:17pm estinetmole