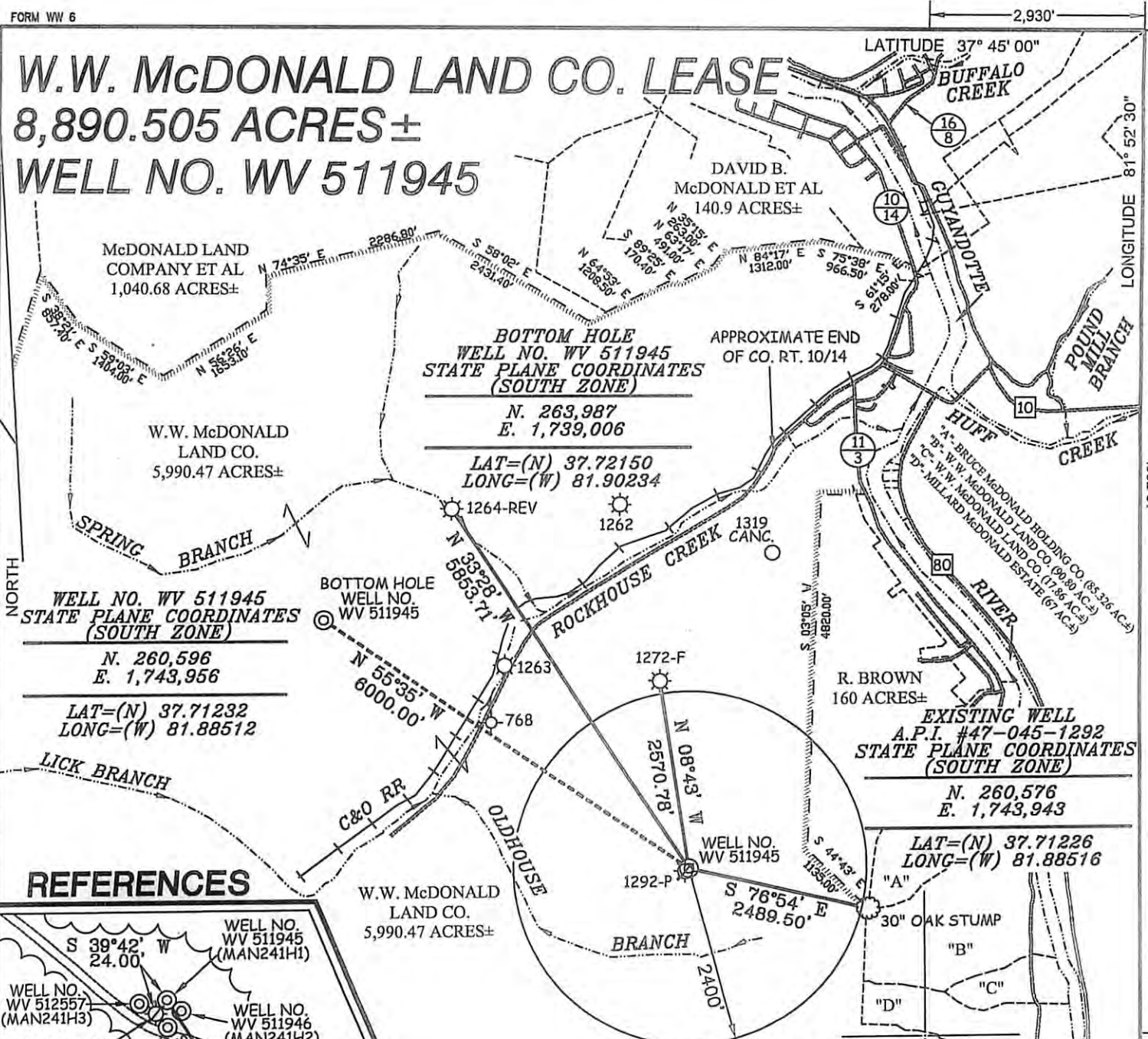


# W.W. McDONALD LAND CO. LEASE

## 8,890.505 ACRES±

### WELL NO. WV 511945

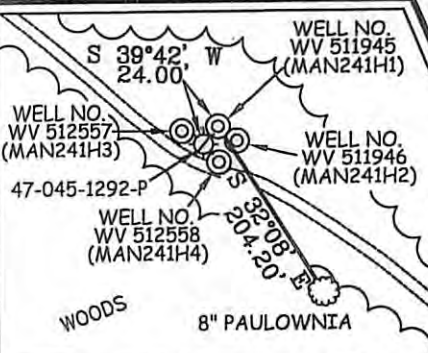


**WELL NO. WV 511945**  
**STATE PLANE COORDINATES**  
**(SOUTH ZONE)**  
 N. 260,596  
 E. 1,743,956  
 LAT=(N) 37.71232  
 LONG=(W) 81.88512

**BOTTOM HOLE**  
**WELL NO. WV 511945**  
**STATE PLANE COORDINATES**  
**(SOUTH ZONE)**  
 N. 263,987  
 E. 1,739,006  
 LAT=(N) 37.72150  
 LONG=(W) 81.90234

**EXISTING WELL**  
**A.P.I. #47-045-1292**  
**STATE PLANE COORDINATES**  
**(SOUTH ZONE)**  
 N. 260,576  
 E. 1,743,943  
 LAT=(N) 37.71226  
 LONG=(W) 81.88516

### REFERENCES



### NOTES ON SURVEY

1. TIES TO WELLS AND CORNERS ARE BASED ON GRID NORTH FOR THE WV STATE PLANE COORDINATE SYSTEM SOUTH ZONE NAD '27.
2. TIES TO REFERENCES ARE BASED ON MAGNETIC NORTH 04/17/09.
3. LEASE BOUNDARY SHOWN HEREON TAKEN FROM DEED BOOK 39 PAGE 143.
4. SURFACE OWNER AND ADJOINER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF LOGAN COUNTY IN JULY, 2008.
5. WELL LAT./LONG. (NAD'27) ESTABLISHED BY DGPS(SUBMETER MAPPING GRADE).
6. ORIGINAL PLAT DATED 05/27/09 REVISED 03/29/10 TO ROTATE & EXTEND HORIZONTAL LEG & CHANGE BOTTOM HOLE COORDINATES, ETC.

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 DIVISION OF ENVIRONMENTAL PROTECTION.

P.S. 677

*Gregory A. Smith*



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.  
 DATE MARCH 29, 20 10  
 OPERATORS WELL NO. WV 511945  
 API WELL NO. 47-045-02280H  
 STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 2500 FILE NO. 3850P511945R (276-40)  
 SCALE 1" = 2000'  
 PROVEN SOURCE OF ELEVATION DGPS (SUBMETER MAPPING GRADE)

**STATE OF WEST VIRGINIA**  
 DIVISION OF ENVIRONMENTAL PROTECTION  
 OFFICE OF OIL AND GAS

WELL TYPE: OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL  IF "GAS" PRODUCTION  STORAGE  DEEP  SHALLOW

LOCATION: ELEVATION 1,700' WATERSHED OLDHOUSE BRANCH OF ROCKHOUSE CREEK  
 DISTRICT TRIADELPHIA COUNTY LOGAN QUADRANGLE MAN 7.5'  
 SURFACE OWNER W.W. McDONALD LAND COMPANY ACREAGE 5,990.47±  
 ROYALTY OWNER W.W. McDONALD LAND COMPANY LEASE ACREAGE 8,890.505±  
 LEASE NO. 080608

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 LOWER HURON  
 ESTIMATED DEPTH 5,400' (TOTAL VERTICAL DEPTH)

WELL OPERATOR EQT PRODUCTION COMPANY DESIGNATED AGENT REX C. RAY  
 ADDRESS 1710 PENNSYLVANIA AVENUE ADDRESS 1710 PENNSYLVANIA AVENUE  
CHARLESTON, WV 25302 CHARLESTON, WV 25302

11/16/2012