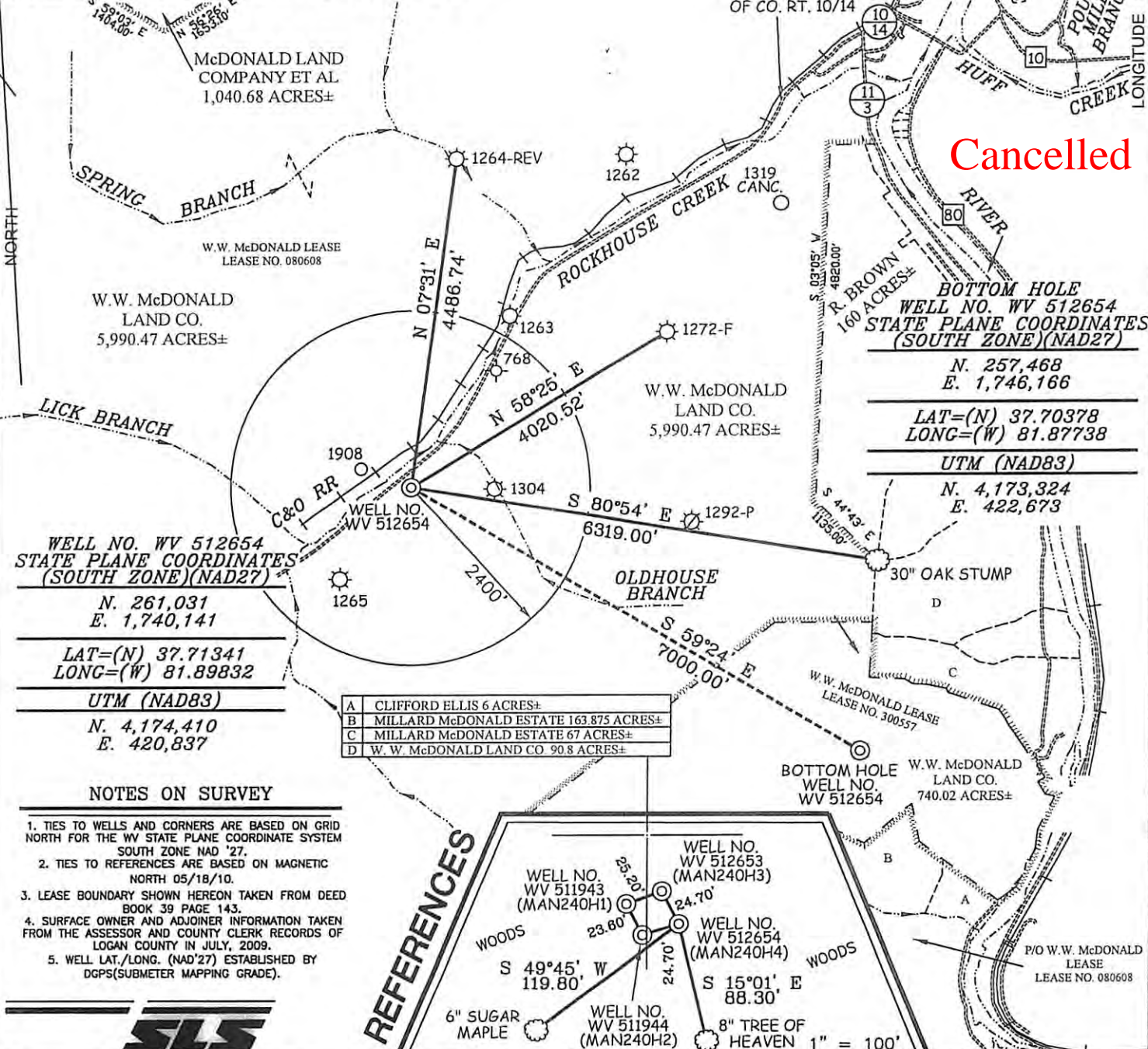


# W.W. McDONALD LAND CO. LEASES

## 8,890.505 ACRES± & 1,537.52 ACRES±

### WELL NO. WV 512654



**Cancelled**

**BOTTOM HOLE**  
**WELL NO. WV 512654**  
**STATE PLANE COORDINATES**  
**(SOUTH ZONE)(NAD27)**  
 N. 257,468  
 E. 1,746,166

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**LAT=(N) 37.70378**  
**LONG=(W) 81.87738**

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**UTM (NAD83)**  
 N. 4,173,324  
 E. 422,673

**WELL NO. WV 512654**  
**STATE PLANE COORDINATES**  
**(SOUTH ZONE)(NAD27)**  
 N. 261,031  
 E. 1,740,141

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**LAT=(N) 37.71341**  
**LONG=(W) 81.89832**

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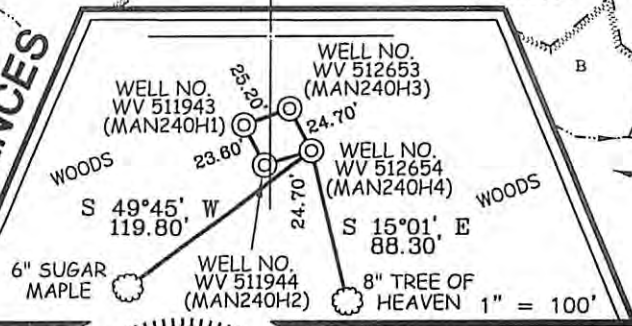
**UTM (NAD83)**  
 N. 4,174,410  
 E. 420,837

A	CLIFFORD ELLIS 6 ACRES±
B	MILLARD McDONALD ESTATE 163.875 ACRES±
C	MILLARD McDONALD ESTATE 67 ACRES±
D	W. W. McDONALD LAND CO 90.8 ACRES±

**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 05/18/10.
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, 2009.
5. WELL LAT./LONG. (NAD'27) ESTABLISHED BY DGPS(SUBMETER MAPPING GRADE).

**REFERENCES**



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 MAY 26, 20 10  
 OPERATORS WELL NO. WV 512654  
 API WELL NO. 47-045-02570H  
 STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1/2500 FILE NO. 3850P512654R (299-62)  
 PROVEN SOURCE OF ELEVATION DGPS (SUBMETER MAPPING GRADE) SCALE 1" = 2000'

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 935' WATERSHED 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± & 1537.52±  
 PROPOSED WORK: LEASE NO. 080608 & 300557

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/SILTSTONE  
 ESTIMATED DEPTH 4,280' (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

01/04/2013