

# W.W. McDONALD LAND CO. LEASE

## 8,890.505 ACRES±

### WELL NO. WV 513290

EXISTING WELL  
A.P.I. #47-045-2091  
STATE PLANE COORDINATES  
SOUTH ZONE (NAD 27)

N. 262,588  
E. 1,752,070

LAT=(N) 37.71800  
LONG=(W) 81.85713

**BOTTOM HOLE**  
WELL NO. WV 513290  
STATE PLANE COORDINATES  
SOUTH ZONE (NAD 27)

N. 265,877  
E. 1,747,257

LAT=(N) 37.72691  
LONG=(W) 81.87388

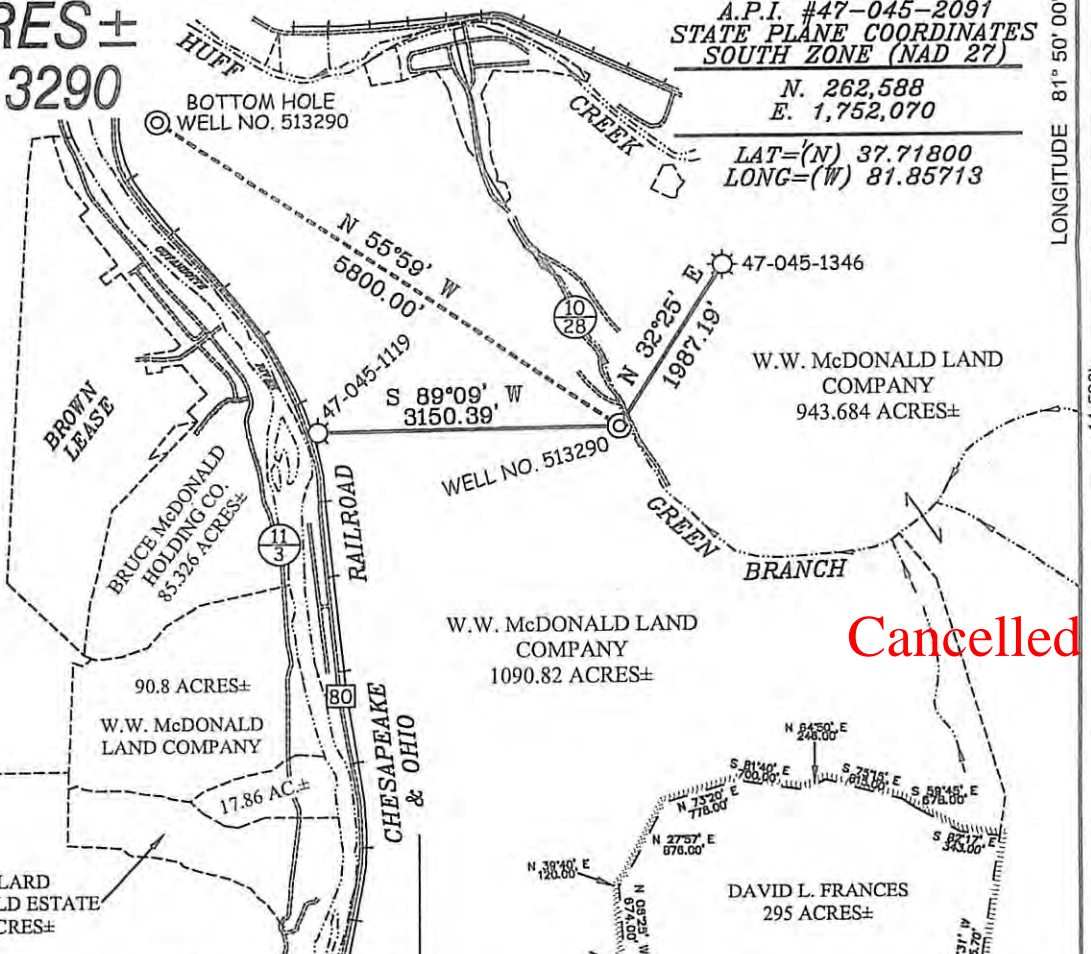
UTM (NAD 83)  
N. 4,175,887  
E. 423,005

**WELL NO. WV 513290**  
STATE PLANE COORDINATES  
SOUTH ZONE (NAD 27)

N. 262,633  
E. 1,752,064

LAT=(N) 37.71812  
LONG=(W) 81.85716

UTM (NAD 83)  
N. 4,174,898  
E. 424,470

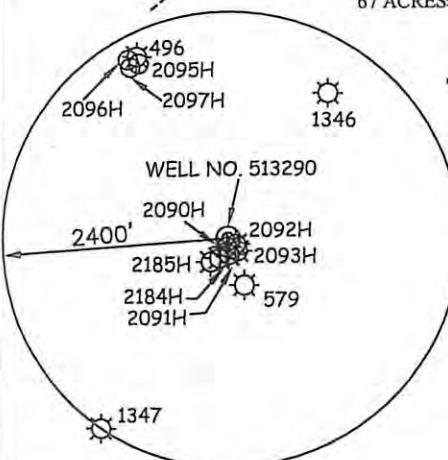


**Cancelled**

NORTH

LONGITUDE 81° 50' 00"

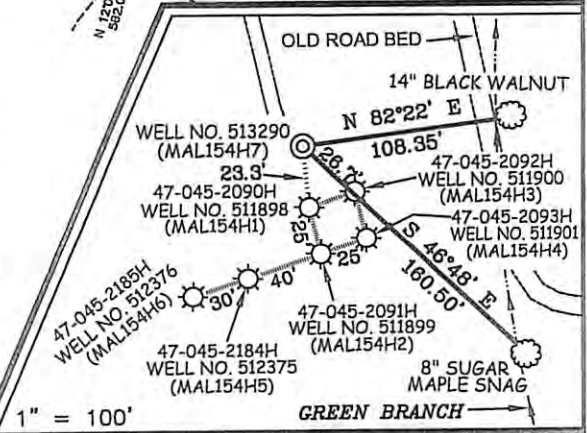
11,590'



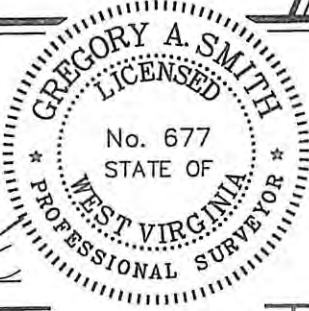
#### NOTES ON SURVEY

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 04/27/10.
3. LEASE BOUNDARY SHOWN HEREON TAKEN FROM A PLAT DATED JULY 23, 2003 AS PREPARED BY SLS FOR A.P.I. 47-045-1588.
4. SURFACE OWNER AND ADJOINER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF LOGAN COUNTY IN JANUARY, 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. 849

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

DATE MAY 12 20 10

OPERATORS WELL NO. WV 513290

API WELL NO. 47-045-02304H  
STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1/2500 FILE NO. 3850P513290 (299-38)

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 965' WATERSHED GREEN BRANCH OF HUFF CREEK

DISTRICT TRIADELPHIA COUNTY LOGAN QUADRANGLE MALLORY 7.5'

SURFACE OWNER W.W. McDONALD LAND COMPANY ACREAGE 1,090.82±

ROYALTY OWNER W.W. McDONALD LAND COMPANY LEASE ACREAGE 8,890.505±

PROPOSED WORK: LEASE NO. 080608

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 BEREA

ESTIMATED DEPTH 3,230' (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

COUNTY NAME

PERMIT