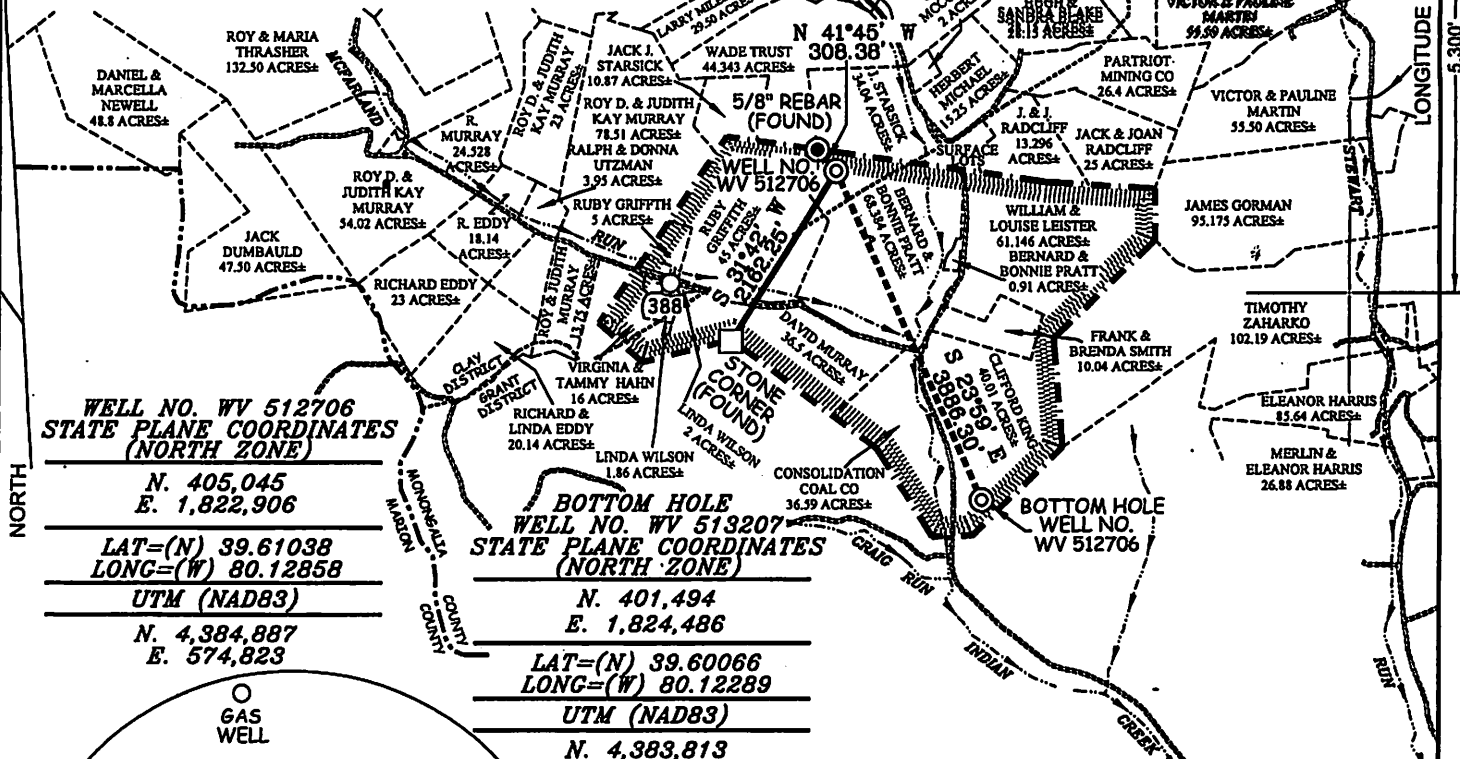


# MUSGRAVE LEASE 335 ACRES± WELL NO. WV 512706



**WELL NO. WV 512706  
STATE PLANE COORDINATES  
(NORTH ZONE)**

N. 405,045  
E. 1,822,906

LAT=(N) 39.61038  
LONG=(W) 80.12858

UTM (NAD83)

N. 4,384,887  
E. 574,823

**BOTTOM HOLE  
WELL NO. WV 513207  
STATE PLANE COORDINATES  
(NORTH ZONE)**

N. 401,494  
E. 1,824,486

LAT=(N) 39.60066  
LONG=(W) 80.12289

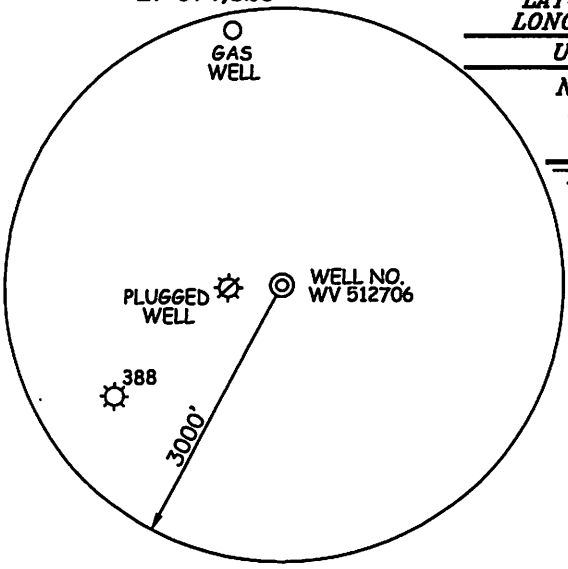
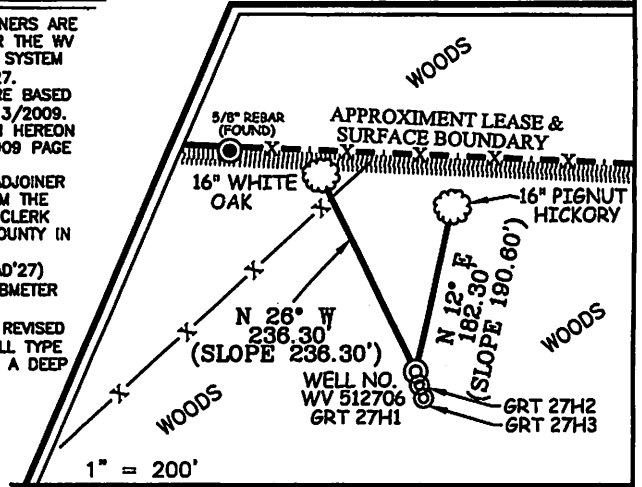
UTM (NAD83)

N. 4,383,813  
E. 575,323

**NOTES ON SURVEY**

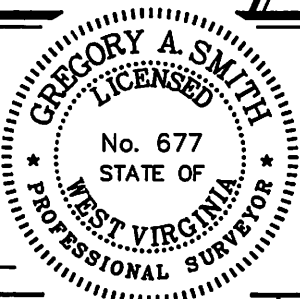
1. TIES TO WELLS AND CORNERS ARE BASED ON GRID NORTH FOR THE WV STATE PLANE COORDINATE SYSTEM NORTH ZONE NAD '27.
2. TIES TO REFERENCES ARE BASED ON MAGNETIC NORTH 10/13/2009.
3. LEASE BOUNDARY SHOWN HEREON TAKEN FROM DEED BOOK 809 PAGE 32.
4. SURFACE OWNER AND ADJOINER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF MONONGALIA COUNTY IN JULY, 2009.
5. WELL LAT./LONG. (NAD'27) ESTABLISHED BY DGPS (SUBMETER MAPPING GRADE).
6. PLAT DATED 05/08/10 REVISED 05/28/10 TO CHANGE WELL TYPE FROM SHALLOW FORMAT TO A DEEP WELL.

**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 28, 20 10  
OPERATORS WELL NO. WV 512706  
API WELL NO. 47 - 061 - 016174  
STATE            COUNTY            PERMIT           

**CANCELLED**

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



MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 7288P512706R3 (288-26)  
PROVEN SOURCE OF ELEVATION DGPS (SUBMETER MAPPING GRADE) SCALE 1" = 2,000'

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

LOCATION:  
ELEVATION 1,295' WATERSHED INDIAN CREEK  
DISTRICT CLAY COUNTY MONONGALIA QUADRANGLE GRANT TOWN 7.5'  
SURFACE OWNER BERNARD D. PRATT ET UX ACREAGE 68.384  
ROYALTY OWNER RONALD W. GOODWIN ET AL LEASE ACREAGE 335±  
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  
ESTIMATED 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

COUNTY NAME  
PERMIT