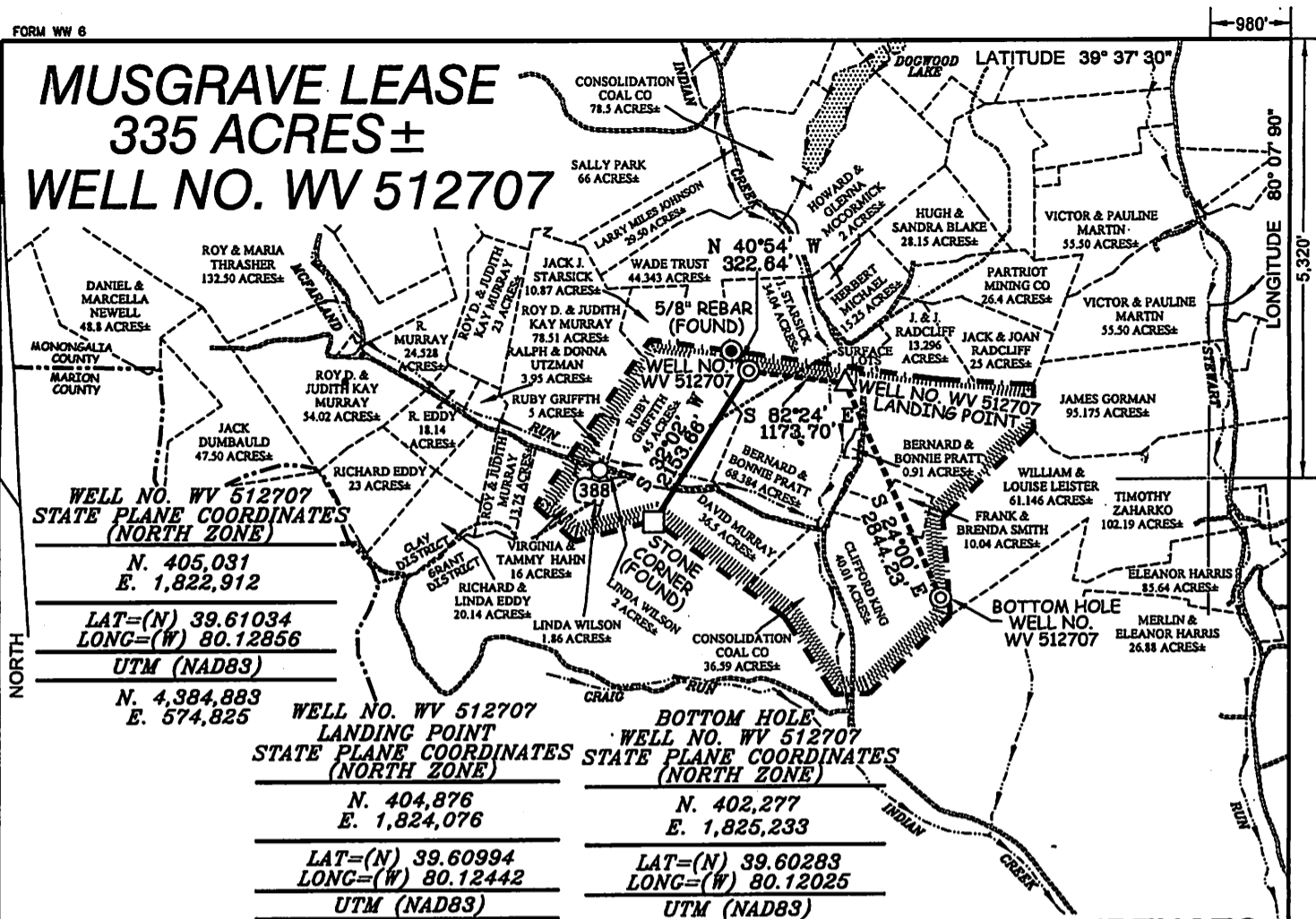


MUSGRAVE LEASE 335 ACRES± WELL NO. WV 512707

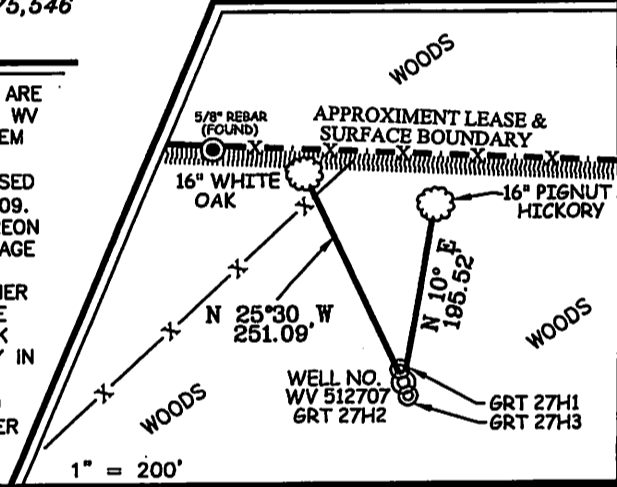


**WELL NO. WV 512707
STATE PLANE COORDINATES
(NORTH ZONE)**
N. 405,031
E. 1,822,912
LAT=(N) 39.61034
LONG=(W) 80.12856
UTM (NAD83)
N. 4,384,883
E. 574,825

**WELL NO. WV 512707
LANDING POINT
STATE PLANE COORDINATES
(NORTH ZONE)**
N. 404,876
E. 1,824,076
LAT=(N) 39.60994
LONG=(W) 80.12442
UTM (NAD83)
N. 4,384,841
E. 575,181

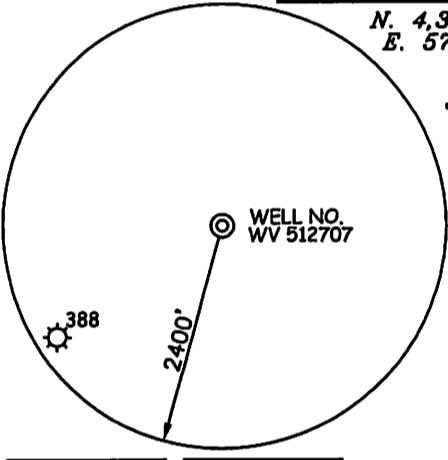
**BOTTOM HOLE
WELL NO. WV 512707
STATE PLANE COORDINATES
(NORTH ZONE)**
N. 402,277
E. 1,825,233
LAT=(N) 39.60283
LONG=(W) 80.12025
UTM (NAD83)
N. 4,384,055
E. 575,546

REFERENCES



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 909 PAGE 32.
4. SURFACE OWNER AND ADJOINER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF MONOGALIA COUNTY IN JULY, 2009.
5. WELL LAT./LONG. (NAD'27) ESTABLISHED BY DGPS(SUBMETER MAPPING GRADE).



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 6, 20 10
OPERATORS WELL NO. WV 512707
API WELL NO. 47-061-01618H
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. 7288P512707R (288-26)
PROVEN SOURCE OF ELEVATION DGPS (SUBMETER MAPPING GRADE) SCALE 1" = 2,000'

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

LOCATION: ELEVATION 1,295' WATERSHED INDIAN CREEK
DISTRICT CLAY COUNTY MONOGALIA 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: LEASE NO. 300694
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 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