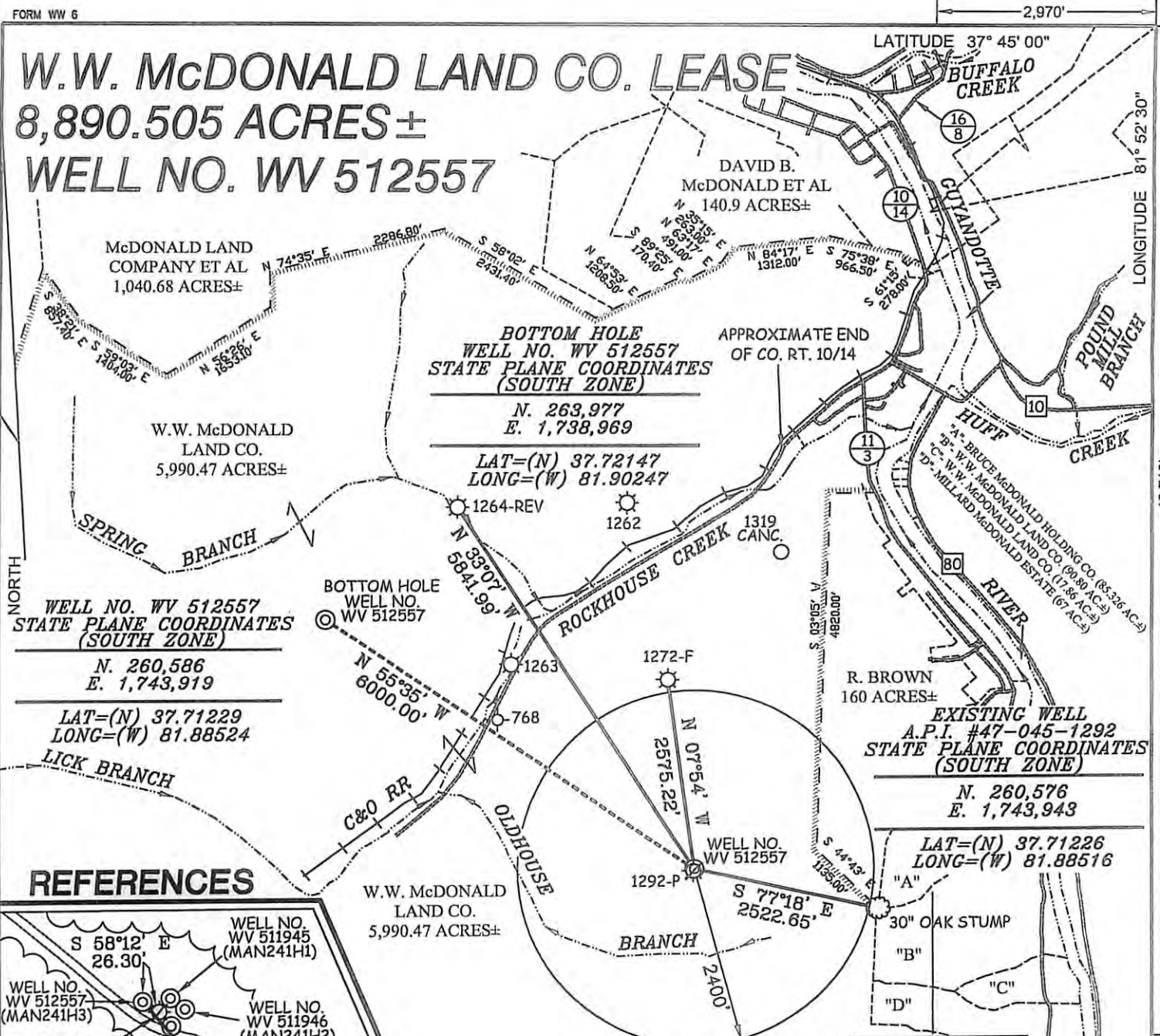


W.W. McDONALD LAND CO. LEASE

8,890.505 ACRES±

WELL NO. WV 512557

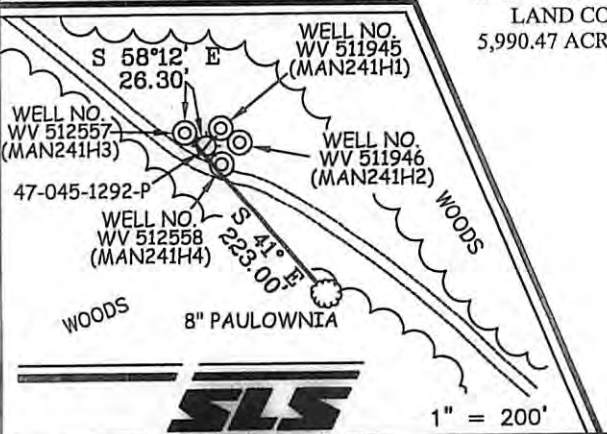


BOTTOM HOLE
WELL NO. WV 512557
STATE PLANE COORDINATES
(SOUTH ZONE)
 N. 263,977
 E. 1,738,969
 LAT=(N) 37.72147
 LONG=(W) 81.90247

WELL NO. WV 512557
STATE PLANE COORDINATES
(SOUTH ZONE)
 N. 260,586
 E. 1,743,919
 LAT=(N) 37.71229
 LONG=(W) 81.88524

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

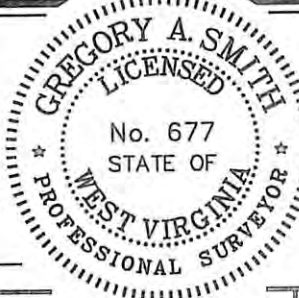


NOTES ON SURVEY

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 512557
 API WELL NO. 47-045-02281H
 STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1/2500 FILE NO. 3850P512557R (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±
 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/SILTSTONE
 ESTIMATED DEPTH 5,040' (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