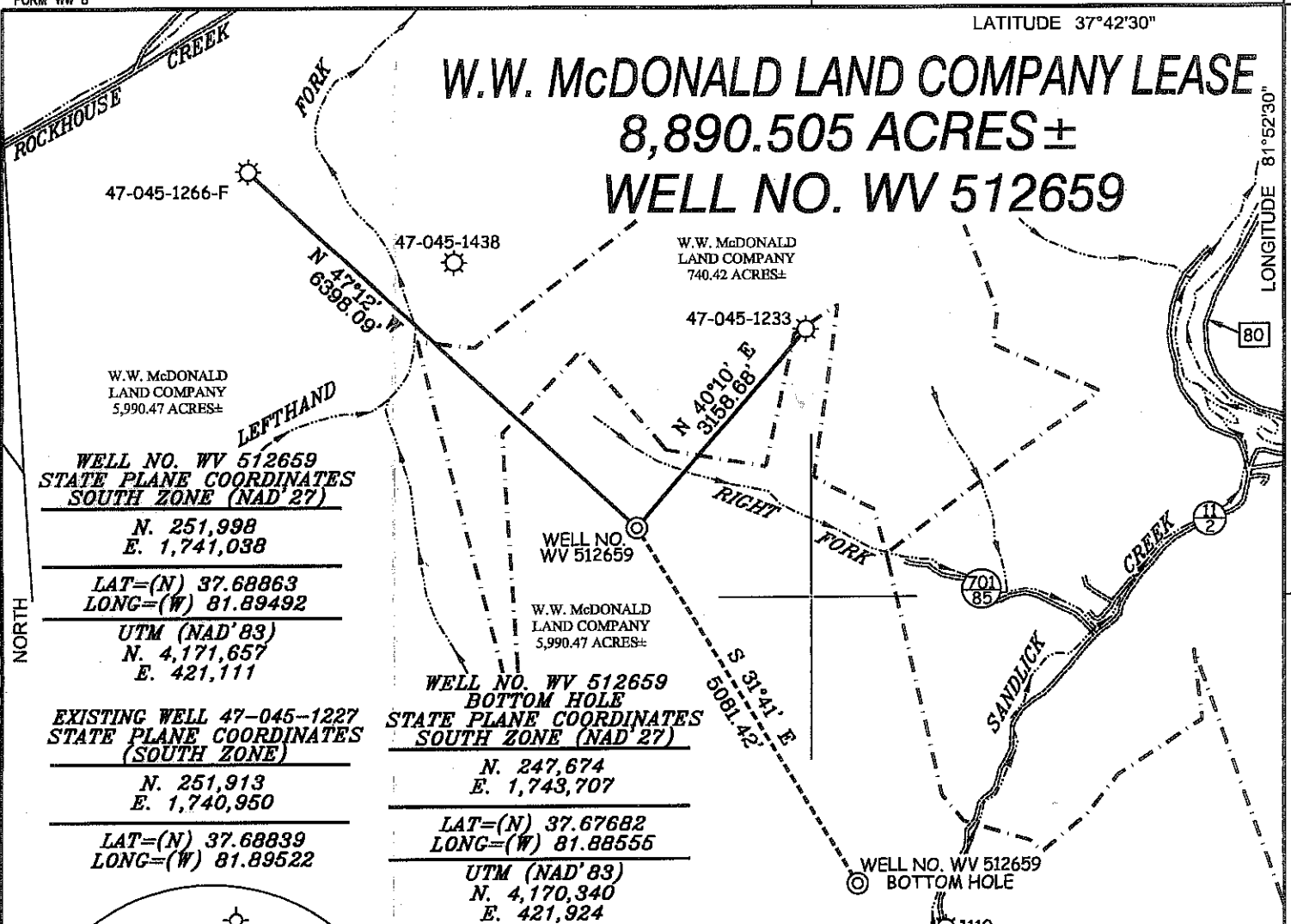


W.W. McDONALD LAND COMPANY LEASE 8,890.505 ACRES ± WELL NO. WV 512659



WELL NO. WV 512659 STATE PLANE COORDINATES SOUTH ZONE (NAD 27)

N. 251,998
E. 1,741,038

LAT=(N) 37.68863
LONG=(W) 81.89492

UTM (NAD'83)
N. 4,171,657
E. 421,111

EXISTING WELL 47-045-1227 STATE PLANE COORDINATES (SOUTH ZONE)

N. 251,913
E. 1,740,950

LAT=(N) 37.68839
LONG=(W) 81.89522

WELL NO. WV 512659 BOTTOM HOLE STATE PLANE COORDINATES SOUTH ZONE (NAD 27)

N. 247,674
E. 1,743,707

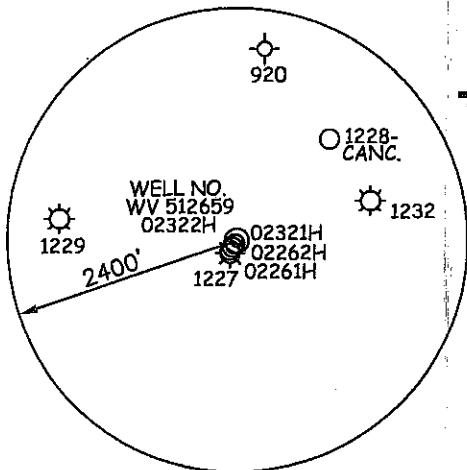
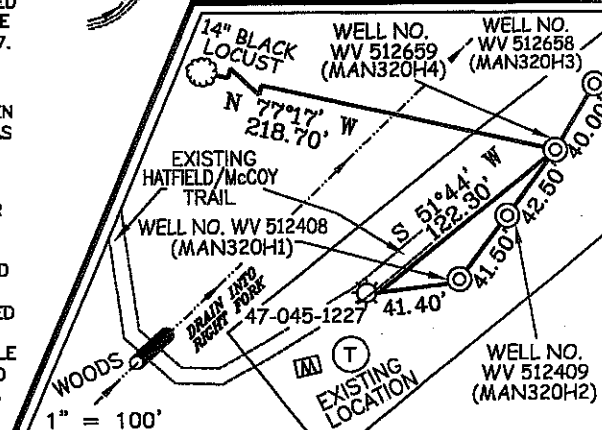
LAT=(N) 37.67682
LONG=(W) 81.88555

UTM (NAD'83)
N. 4,170,340
E. 421,924

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 08/18/09.
3. LEASE BOUNDARY SHOWN HEREON TAKEN FROM A PLAT DATED JANUARY 02, 1997 AS PREPARED BY SLS FOR A.P.I. NO. 47-045-1237.
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).
6. ORIGINAL PLAT DATED 09/11/09 REVISED 03/16/10 TO ROTATE & EXTEND HORIZONTAL LEG AND CHANGE BOTTOM HOLE COORDINATES, ETC. REVISED 06/29/10 TO SWITCH TOP HOLE SITE WITH WV 512658.

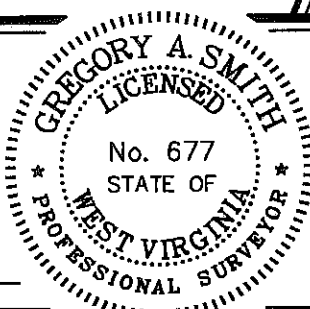
REFERENCES



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 JUNE 29, 20 10

OPERATORS WELL NO. WV 512659

API WELL NO. 47-045-02322H

CANCELLED PERMIT Revised

MINIMUM DEGREE OF ACCURACY 1/2500 FILE NO. 3850P512659R2 (283-60)

PROVEN SOURCE OF ELEVATION DGPS (SUBMETER MAPPING GRADE) SCALE 1" = 2,000'

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 1,432' WATERSHED RIGHT FORK OF SANDLICK 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: 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 LOWER HURON/SILTSTONE
ESTIMATED DEPTH 4,860' (TOTAL VERTICAL DEPTH)

WELL OPERATOR EQT PRODUCTION COMPANY DESIGNATED AGENT REX C. RAY

ADDRESS 1710 PENNSYLVANIA AVENUE CHARLESTON, WV 25302 ADDRESS 1710 PENNSYLVANIA AVENUE CHARLESTON, WV 25302 **09/21/2012**

COUNTY NAME
PERMIT