

W.W. McDONALD LAND CO. LEASE

8,890.505 ACRES±

WELL NO. WV 512653-R

McDONALD LAND COMPANY & ALDERSON HEIRS, LLC ET AL
1,040.68 ACRES±

BOTTOM HOLE WELL NO. WV 512653
W.W. McDONALD LAND CO.
5,990.47 ACRES±

BOTTOM HOLE WELL NO. WV 512653
STATE PLANE COORDINATES (SOUTH ZONE) (NAD27)

N. 266,045
E. 1,735,221

LAT=(N) 37.72705
LONG=(W) 81.91550

UTM (NAD83)

N. 4,175,937
E. 419,338

APPROXIMATE END OF CO. RT. 10/14

WELL NO. WV 512653
STATE PLANE COORDINATES (SOUTH ZONE) (NAD27)

N. 261,048
E. 1,740,123

LAT=(N) 37.71346
LONG=(W) 81.89838

UTM (NAD83)

N. 4,174,415
E. 420,832

- A MILLARD McDONALD ESTATE 67 ACRES±
- B W.W. McDONALD LAND CO. 90.8 ACRES±

NOTES ON SURVEY

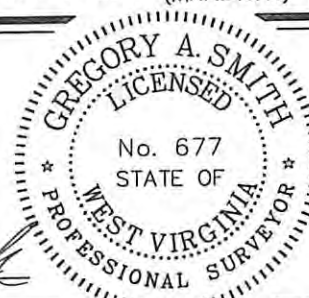
1. TIES TO WELLS AND CORNERS ARE BASED ON GRID NORTH FOR THE WV STATE PLANE COORDINATE SYSTEM SOUTH ZONE NAD '27.
2. TIES TO REFERENCES ARE BASED ON MAGNETIC NORTH 05/18/10.
3. LEASE BOUNDARY SHOWN HEREON TAKEN FROM DEED BOOK 39 PAGE 143.
4. SURFACE OWNER AND ADJOINER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF LOGAN COUNTY IN JULY, 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 26 20 10
OPERATORS WELL NO. WV 512653-R
API WELL NO. 47-045-02368H
STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1/2500 FILE NO. 3850P512653R2 (299-62)
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 935' WATERSHED 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: 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 4.280' (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

01/04/2013

Cancelled

13.290

COUNTY NAME

PERMIT