

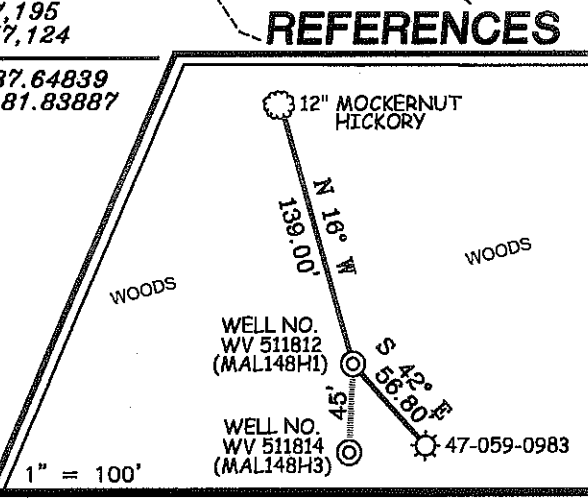
ELK CREEK COAL LAND COMPANY LEASE

7,600 ACRES±

WELL NO. WV 511812

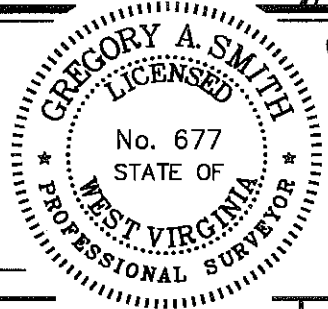
NOTES ON SURVEY

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 08/08/08.
3. LEASE BOUNDARY SHOWN HEREON TAKEN FROM A PLAT DATED JUNE 8, 2000 AS PREPARED BY SLS FOR A.P.I. NO. 47-059-0808 & A PLAT FOR 47-059-0504 & OTHER DEEDS/LEASES OF RECORD.
4. SURFACE OWNER AND ADJOINER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF MINGO COUNTY IN JULY, 2008.
5. WELL LAT./LONG. (NAD'27) ESTABLISHED BY DGPS (SUBMETER MAPPING GRADE).
6. DEED DESCRIPTIONS INDICATE A POSSIBLE OVERLAP AS SHOWN. TAX MAP REFLECTS ELK CREEK DEED CALLS. ACTUAL STATUS OF THIS POSSIBLE OVERLAP NOT ADDRESSED.
7. PLAT DATED AUGUST 26, 2009 REVISED OCTOBER 01, 2009 TO CHANGE HORIZONTAL LEG DISTANCE, DIRECTION & BOTTOM HOLE COORDINATES.



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 OCTOBER 01, 20 09

OPERATORS WELL NO. WV 511812

API WELL NO. 47-059-02130H

STATE OF WEST VIRGINIA PERMIT

MINIMUM DEGREE OF ACCURACY 1/2500 FILE NO. 3944P511812R(265-62)

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 1,706' WATERSHED TRIBUTARY OF GUYANDOTTE RIVER

DISTRICT STAFFORD COUNTY MINGO QUADRANGLE MALLORY 7.5'

SURFACE OWNER HEARTWOOD FORESTLAND FUND ACREAGE 1,332.30±

ROYALTY OWNER ISLAND CREEK CORPORATION LEASE ACREAGE 7600±

PROPOSED WORK: LEASE NO. 005658

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

ESTIMATED DEPTH 5,500' (TOTAL VERTICAL DEPTH)

WELL OPERATOR EQT PRODUCTION COMPANY DESIGNATED AGENT REX C. RAY

ADDRESS 1710 PENNSYLVANIA AVENUE CHARLESTON, WV 25302

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04/06/2012

COUNTY NAME

PERMIT