

ISLAND CREEK COAL COMPANY LEASE 60,000 ACRES±

WELL NO. WV 511166
STATE PLANE COORDINATES
SOUTH ZONE (NAD 27)

N. 314,553
E. 1,681,260

LAT=(N) 37.85865
LONG=(W) 82.10406

UTM (NAD 83)
N. 4,190,705
E. 412,476

F.S. BACHTEL
162.28 ACRES±

S 57° W 363.00'

"X" ON STONE,
REFERENCE TO
CORNER, FOUND

LOCAN MINGO
CREEK
WEST FORK TWELVEPOLE
CREEK
COUNTY

HEARTWOOD FORESTLAND FUND
3.6 ACRES±

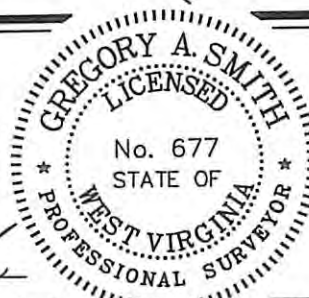
NOTES ON SURVEY

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 03/04/10.
3. LEASE BOUNDARY SHOWN HEREON TAKEN FROM A DESCRIPTION OF ISLAND CREEK COAL COMPANY TRACT # 5 (DEED BOOK 1 PAGE 244).
4. SURFACE OWNER AND ADJOINER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF MINGO COUNTY IN JULY, 2009.
5. WELL LAT./LONG. 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*



MINIMUM DEGREE OF ACCURACY 1/2500 FILE NO. 3890P511166 (289-76)
PROVEN SOURCE OF ELEVATION DGPS (SUBMETER MAPPING GRADE) SCALE 1" = 1000'

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.
DATE MAY 03, 20 10
OPERATORS WELL NO. WV 511166
API WELL NO. 47 - 045 - 02365H
STATE COUNTY PERMIT

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 1,279' WATERSHED MUD FORK OF COPPERAS MINE FORK OF ISLAND CREEK
DISTRICT ISLAND CREEK COUNTY LOGAN QUADRANGLE HOLDEN 7.5'

SURFACE OWNER HEARTWOOD FORESTLAND FUND ACREAGE 24,588.40±
ROYALTY OWNER ISLAND CREEK CORPORATION LEASE ACREAGE 60,000±
PROPOSED WORK: LEASE NO. 080662

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 4,030' (TOTAL VERTICAL DEPTH)

WELL OPERATOR EQT PRODUCTION COMPANY DESIGNATED AGENT REX C. RAY
ADDRESS 1710 PENNSYLVANIA AVENUE CHARLESTON, WV 25302

01/04/2013



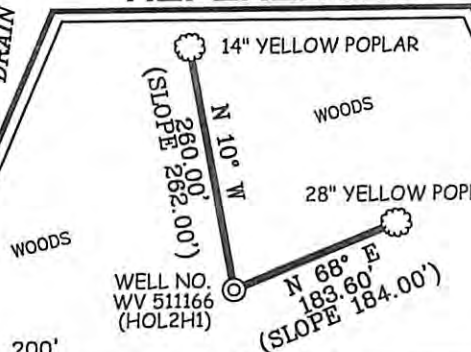
BOTTOM HOLE
WELL NO. WV 511166
STATE PLANE COORDINATES
SOUTH ZONE (NAD 27)

N. 311,725
E. 1,684,088

LAT=(N) 37.85097
LONG=(W) 82.09414

UTM (NAD 83)
N. 4,189,843
E. 413,338

REFERENCES



Cancelled

LUCILLE BURTON AVIS
115.58 ACRES±

BOTTOM HOLE
WELL NO. WV 511166

HEARTWOOD FORESTLAND FUND
24,588.40 ACRES±

COUNTY NAME
PERMIT