

EQT PRODUCTION CO. (ISLAND CREEK / COLE & CRANE) WELL NO. WV 511843

HEARTWOOD FORESTLAND FUND
24,418.08 ACRES±

WELL NO. WV 511843

ISLAND CREEK COAL COMPANY LEASE

THIS LINE LOCATED ON RIDGE

SURFACE BOUNDARY

APPROXIMATE LEASE BOUNDARY

WELL NO. WV 511843
BOTTOM HOLE

COLE AND CRANE REAL ESTATE TRUST LEASE

Cancelled

WELL NO. WV 511843
STATE PLANE COORDINATES (SOUTH ZONE)

N. 283,074
E. 1,699,224

LAT=(N) 37.77277
LONG=(W) 82.04061

WELL NO. WV 511843
BOTTOM HOLE
STATE PLANE COORDINATES (SOUTH ZONE)

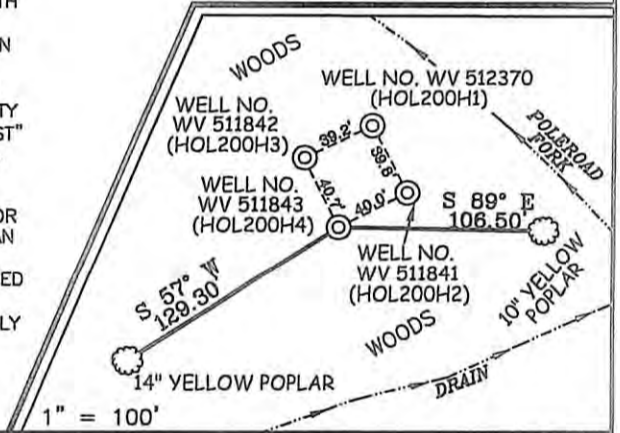
N. 280,265
E. 1,701,632

LAT=(N) 37.76513
LONG=(W) 82.03217

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 11/18/09.
3. LEASE BOUNDARY SHOWN HEREON TAKEN FROM A MAP SHOWING "PROPERTY OF COLE AND CRANE REAL ESTATE TRUST" DATE JANUARY 1925 BY W.C. McCALL, ENGINEER.
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. WELL NO. WV 511843 WAS PREVIOUSLY PERMITTED AS 47-045-2140H IN A DIFFERENT SITE (NOW VOID).

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 JANUARY 18, 20 10

OPERATORS WELL NO. WV 511843

API WELL NO. 47-045-02373H
STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 2500 FILE NO. 3890P511843R2 (289-37)
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 1,260' WATERSHED POLEROAD FORK OF LEFT FORK OF WHITMAN CREEK

DISTRICT ISLAND CREEK COUNTY LOGAN QUADRANGLE HOLDEN 7.5'

SURFACE OWNER HEARTWOOD FORESTLAND FUND ACREAGE 24,418.08±

ROYALTY OWNER ISLAND CREEK CORPORATION (60,000 AC.±) / COLE & CRANE REAL ESTATE TRUST (12,096.64 AC.±)

PROPOSED WORK: LEASE NO. 080662 / 080565

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 5,190' (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

01/04/2013