

GAS RIGHT DEED 28 LEASE 14,650 ACRES ±

WELL NO. WV 512936
STATE PLANE COORDINATES
(SOUTH ZONE)

LEASE # 190028

N. 613,832
E. 2,253,277

LAT=(N) 38.68240
LONG=(W) 80.11276

UTM, NAD83

N. 4,281,918
E. 577,188

COASTAL FOREST
RESOURCES
12,070.039 AC ES±

PENN VIRGINIA
OPERATING CO. LLC
9743.586 AC ES±

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 05/14/10.
3. LEASE BOUNDARY SHOWN HEREON TAKEN FROM DEED BOOK 241 PAGE 40B.
4. SURFACE OWNER AND ADJOINER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF RANDOLPH COUNTY IN JULY, 2010.
5. WELL LAT./LONG. (NAD'27) ESTABLISHED BY DGPS(SUBMETER MAPPING GRADE).

WELL NO. WV 512936

THERE APPEAR TO BE
NO KNOWN PERMITTED
WELLS WITHIN 2,400'.

WELL NO.
WV 512936

2,400'

BOTTOM HOLE
WELL NO. WV 512936
STATE PLANE COORDINATES
(SOUTH ZONE)

N. 604,377
E. 2,256,532

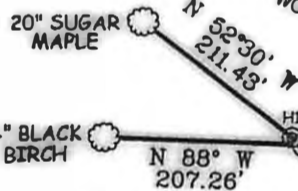
LAT=(N) 38.65635
LONG=(W) 80.10168

UTM, NAD83

N. 4,279,037
E. 578,181

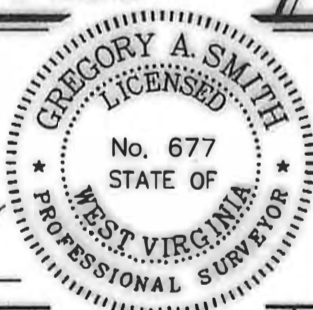
REFERENCES

ADO 96 WELLS
H1-WV 512935
H2-WV 512936
H3-WV 513401
H4-WV 513402
H5-WV 513403
1" = 200'



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



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.

DATE AUGUST 18, 20 10

OPERATORS WELL NO. WV 512936

API WELL NO. 47 - 083 - 01231H
STATE COUNTY PERMIT

CANCELLED

STATE OF WEST VIRGINIA
DIVISION OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS



MINIMUM DEGREE OF ACCURACY 1/2500 FILE NO. 6985P512936R (296-44)

PROVEN SOURCE OF ELEVATION DGPS (SUBMETER MAPPING GRADE) SCALE 1" = 2000'

WELL TYPE: OIL ___ GAS LIQUID INJECTION ___ WASTE DISPOSAL ___ IF "GAS" PRODUCTION STORAGE ___ DEEP ___ SHALLOW

LOCATION: ELEVATION 3,420' WATERSHED BEAR RUN AND LICK RUN OF BEECH RUN

DISTRICT MIDDLE FORK COUNTY RANDOLPH QUADRANGLE ADOLPH 7.5'

SURFACE OWNER COASTAL FOREST RESOURCES ACREAGE 12,070.04±

ROYALTY OWNER EQT PRODUCTION COMPANY LEASE ACREAGE 14,650±

PROPOSED WORK: LEASE NO. 190028

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 MARCELLUS

ESTIMATED DEPTH

WELL OPERATOR EQT PRODUCTION COMPANY DESIGNATED AGENT REX C. RAY

ADDRESS 1710 PENNSYLVANIA AVENUE CHARLESTON, WV 25302

07/26/2013