

# GAS RIGHT DEED 28 LEASE

## 14,650 ACRES±

### WELL NO. WV 513402

LEASE # 190028

LATITUDE 38° 42' 30"

LANDING POINT  
WELL NO. WV 513402  
STATE PLANE COORDINATES  
(SOUTH ZONE)

N. 613,605  
E. 2,254,412

LAT=(N) 38.68174  
LONG=(W) 80.10879

UTM, NAD83

N. 4,281,849  
E. 577,534

LONGITUDE 80° 05' 00"

WELL NO. WV 513402  
STATE PLANE COORDINATES  
(SOUTH ZONE)

N. 613,817  
E. 2,253,303

LAT=(N) 38.68235  
LONG=(W) 80.11267

UTM, NAD83

N. 4,281,914  
E. 577,196

COASTAL FOREST  
RESOURCES  
12,070.039 ACRES±

PENN VIRGINIA  
OPERATING CO. LLC  
9743.586 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 05/14/10.
3. LEASE BOUNDARY SHOWN HEREON TAKEN FROM DEED BOOK 241 PAGE 408.
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).

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

WELL NO. WV 513402

2,400'

BOTTOM HOLE WELL NO. WV 513402  
STATE PLANE COORDINATES  
(SOUTH ZONE)

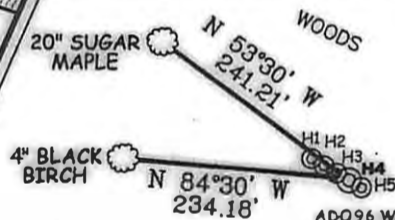
N. 605,946  
E. 2,257,050

LAT=(N) 38.66064  
LONG=(W) 80.09981

UTM, NAD83

N. 4,279,515  
E. 578,338

#### REFERENCES



5 ADDITIONAL WELLS  
H1-WV 512936  
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

*Gregory A. Smith*



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

DATE AUGUST 16, 20 10

OPERATORS WELL NO. WV 513402

API WELL NO. 47 - 83 - 01233H

STATE COUNTY PERMIT

**CANCELLED**

MINIMUM DEGREE OF ACCURACY 1/2500 FILE NO. 6985P513402 (296-44)

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\_X LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_ IF "GAS" PRODUCTION\_X STORAGE \_\_\_ DEEP \_\_\_ SHALLOW\_X

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\_X CONVERT \_\_\_ DRILL DEEPER \_\_\_ REDRILL \_\_\_ FRACTURE OR STIMULATE\_X 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