

GAS RIGHT DEED 28 LEASE

14,650 ACRES ±

WELL NO. WV 513088

WELL NO. WV 513088
STATE PLANE COORDINATES
(SOUTH ZONE)

N. 608,983
E. 2,252,682

LAT=(N) 38.66910
LONG=(W) 80.11500

UTM, NAD83

N. 4,280,441
E. 577,007

LEASE# 190028

COASTAL FOREST
RESOURCES
12,070.039 ACRES ±

WELL NO.
WV 513088

S 41°11' W
1182.74'
LANDING POINT

S 73°12' E
4463.88'

BOTTOM HOLE
WELL NO.
WV 513088

S 19°00' E
3276.27'

S 40°31' E
6896.44'

KUMBRABOW STATE
FOREST
9424.88 ACRES ±

LANDING POINT
WELL NO. WV 513088
STATE PLANE COORDINATES
(SOUTH ZONE)

N. 608,093
E. 2,251,903

LAT=(N) 38.66667
LONG=(W) 80.11776

UTM, NAD83

N. 4,280,169
E. 576,770

PENN VIRGINIA
OPERATING CO. LLC
9743.586 ACRES ±

BOTTOM HOLE
WELL NO. WV 513088
STATE PLANE COORDINATES
(SOUTH ZONE)

N. 604,995
E. 2,252,970

LAT=(N) 38.65814
LONG=(W) 80.11413

UTM, NAD83

N. 4,279,226
E. 577,095

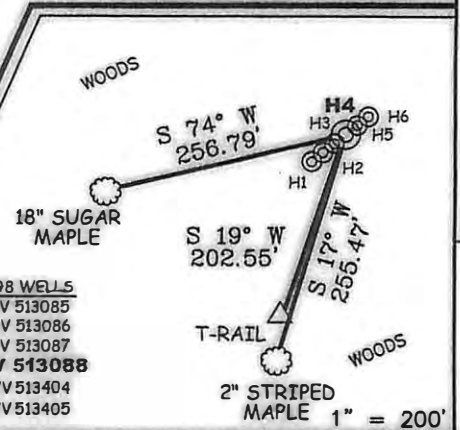
NOTES ON SURVEY

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 5/17/10.
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, 2009.
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 513088

REFERENCES

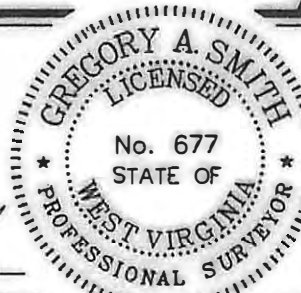


ADO 98 WELLS
H1-WV 513085
H2-WV 513086
H3-WV 513087
H4-WV 513088
H5-WV 513404
H6-WV 513405

2" STRIPED
MAPLE 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 23, 20 10

OPERATORS WELL NO. WV 513088

API WELL NO. 47 - 083 - 012384
STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1/2500 FILE NO. 6985P513088R (296-45)
PROVEN SOURCE OF ELEVATION DGPS (SUBMETER MAPPING GRADE) SCALE 1" = 2000'

CANCELLED
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 3,395' WATERSHED CAMP 9 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 _____ ESTIMATED 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

07/26/2013