

# GAS RIGHT DEED 28 LEASE 14,650 ACRES± WELL NO. WV 513104

**BOTTOM HOLE**  
WELL NO. WV 513104  
STATE PLANE COORDINATES  
SOUTH ZONE (NAD'27)

N. 634,600.2  
E. 2,248,593.2

LAT=(N) 38.739540  
LONG=(W) 80.128480

UTM (NAD'83)  
N. 4,288,246.2  
E. 575,760.4

REBAR, FOUND  
BOTTOM HOLE  
WELL NO. WV 513104

LENDAL SCOTT  
ARMSTRONG  
65 ACRES±

REBAR @  
STONE PILE,  
FOUND

LOWER DRY RUN

COASTAL FOREST  
RESOURCES  
12,070.039 ACRES±

**LANDING POINT**  
WELL NO. WV 513104  
STATE PLANE COORDINATES  
SOUTH ZONE (NAD'27)

N. 627,471.0  
E. 2,251,048.0

LAT=(N) 38.719902  
LONG=(W) 80.120112

UTM (NAD'83)  
N. 4,286,074.0  
E. 576,508.7

**WELL NO. WV 513104**  
STATE PLANE COORDINATES  
SOUTH ZONE (NAD'27)

N. 626,664.9  
E. 2,250,285.7

LAT=(N) 38.717708  
LONG=(W) 80.122810

UTM (NAD'83)  
N. 4,285,828.3  
E. 576,276.5

LEFT FORK BUCKHANNON RIVER

ALVIN DOUGLAS  
WOOTEN  
100 ACRES±

SUN LUMBER  
CO., ET AL  
1575 ACRES±

N 43°24' E  
1109.47'

WELL NO. WV 513104

S 73°16' E  
4119.18'

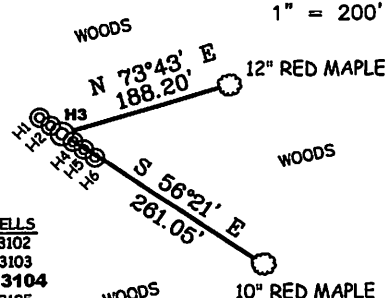
THERE APPEARS  
TO BE NO KNOWN  
WELLS LOCATED  
WITHIN 2400'

### NOTES ON SURVEY

1. TIES TO WELLS, CORNERS AND REFERENCES ARE BASED ON GRID NORTH FOR THE WV STATE PLANE COORDINATE SYSTEM SOUTH ZONE NAD'27.
2. LEASE BOUNDARY SHOWN HEREON TAKEN FROM DEED BOOK 241 PAGE 408.
3. SURFACE OWNER AND ADJOINER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF RANDOLPH COUNTY IN JULY, 2011.
4. WELL LAT./LONG. (NAD'27) ESTABLISHED BY DGPS (SURVEY GRADE).

### REFERENCES

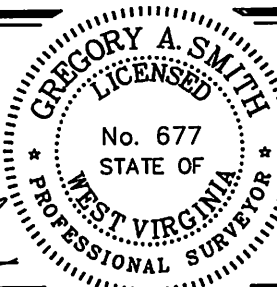
- ADO 99 WELLS  
H1-WV 513102  
H2-WV 513103  
H3-WV 513104  
H4-WV 513105  
H5-WV 513106  
H6-WV 513107



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 JULY 15, 20 11

OPERATORS WELL NO. WV 513104

API WELL NO. 47-083-01247H  
STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1/2500 FILE NO. 6985P513104R2 (329-59)

PROVEN SOURCE OF ELEVATION DGPS (SURVEY GRADE) TIES TO CORS NETWORK SCALE 1" = 2000'

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 3,159' (GROUND) / 3,160' (PROPOSED) WATERSHED DRY RUN OF LEFT FORK BUCKHANNON RIVER

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

WELL OPERATOR EQT PRODUCTION COMPANY DESIGNATED AGENT REX C. RAY

ADDRESS 1710 PENNSYLVANIA AVENUE ADDRESS 1710 PENNSYLVANIA AVENUE

CHARLESTON, WV 25302 CHARLESTON, WV 25302

00 50' 08" EADJUTIGNOT

11,760'

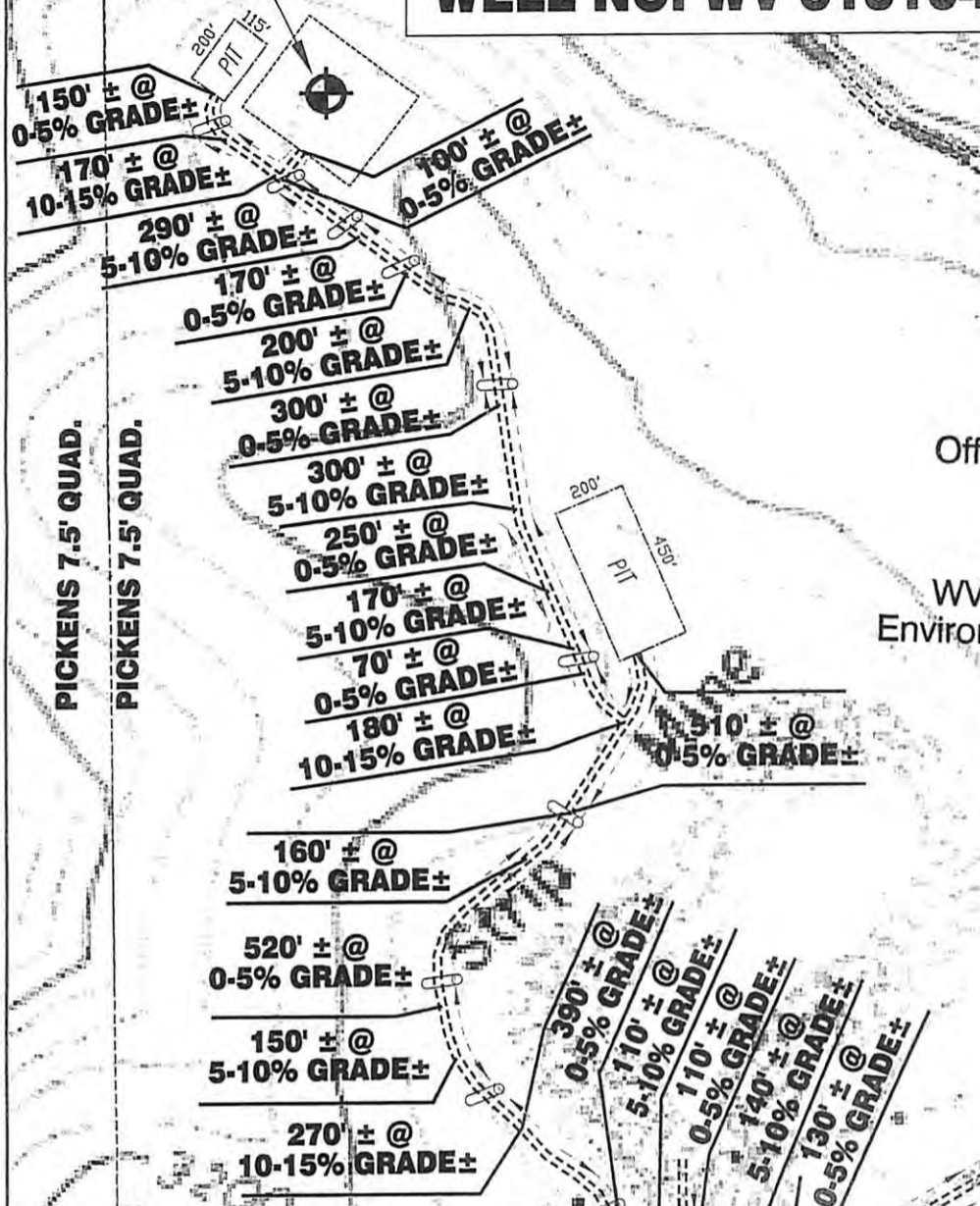
COUNTY NAME

PERMIT



# EQT PRODUCTION COMPANY GAS RIGHT DEED 28 LEASE WELL NO. WV 513104

**PROPOSED  
GAS WELL  
WV 513104**



**RECEIVED**  
Office of Oil & Gas

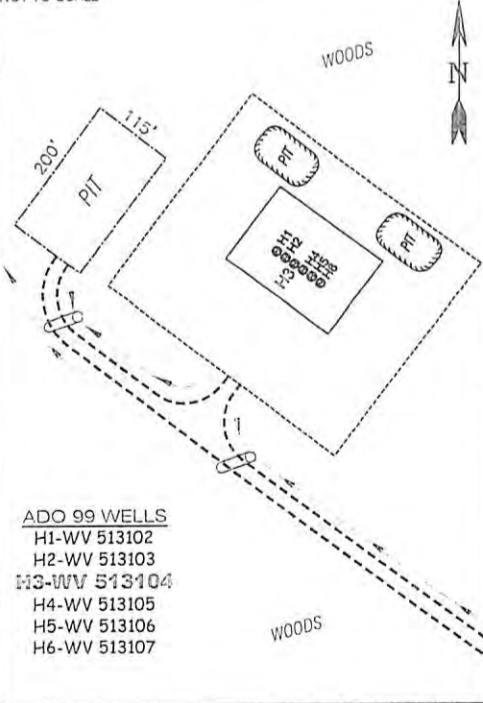
JUL 22 2011

WV Department of  
Environmental Protection

EXISTING COAL COMPANY  
ROAD WITH EXISTING  
DRAINAGE STRUCTURES IN  
PLACE AND IN GOOD  
WORKING ORDER TO BE  
MAINTAINED AND RECLAIMED  
TO STATE SPECS.

Detail Sketch for Proposed Well WV 513104

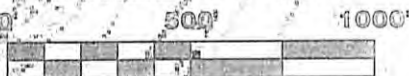
NOT TO SCALE



- ADO 99 WELLS
- H1-WV 513102
- H2-WV 513103
- H3-WV 513104
- H4-WV 513105
- H5-WV 513106
- H6-WV 513107

SEE ATTACHED MAP  
FOR INFO TO HERE.

**SCALE: 1" = 500'**



ALL ROADS SHOWN HEREON ARE EXISTING UNLESS OTHERWISE NOTED AND SHALL BE MAINTAINED IN ACCORDANCE WITH WV D.E.P. OIL AND GAS BMP MANUAL ENTRANCES AT COUNTY/STATE ROADS SHALL BE MAINTAINED IN ACCORDANCE WITH WV D.O.T. REGULATION. SEPARATE PERMITS MAY BE REQUIRED BY THE D.O.T.

SEDIMENT BASINS (TRAPS) AND APPROPRIATE EROSION CONTROL BARRIERS ARE TO BE CONSTRUCTED AT ALL CULVERT AND CROSS DRAIN INLETS AND OUTLETS AS REQUIRED IN THE WV D.E.P. OIL AND GAS BMP MANUAL. FIELD CONDITIONS (ROCK OUTCROPS AND BEDROCK) MAY PROHIBIT INLET TRAPS BEING INSTALLED. WHEN THESE CONDITIONS EXIST ADDITIONAL EROSION CONTROL MEASURES SHALL BE EVALUATED AND UTILIZED AS NEEDED.

EARTHWORK CONTRACTORS ARE RESPONSIBLE FOR NOTIFICATION TO THE OPERATOR AND INSPECTOR PRIOR TO ANY DEVIATION FROM THIS PLAN.

TEMPORARY SEED & MULCH ALL SLOPES AFTER CONSTRUCTION OF LOCATION.

CUT & STACK ALL MARKETABLE TIMBER.

STACKED BRUSH MAY BE USED FOR SEDIMENT CONTROL.

APPLICATIONS FOR SEPARATE PLC PERMITS ON THE ACCESS ROAD STREAM CROSSINGS HAVE BEEN PREPARED (IF APPLIES).

⊖ = EXISTING CULVERT    ⊕ = PROPOSED CULVERT 12" MIN. UNLESS OTHERWISE NOTED

⊗ = PROPOSED STREAM CROSSING (IF APPLIES)  
\*SEE TABLE FOR CULVERT DETAIL



SMITH LAND SURVEYING, INC.  
P.O. BOX 150 GLENVILLE, WV. 26351

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DRAWN BY C.J.P.	FILE NO. 6985	DATE 07/13/11	CADD FILE: 6985REC/WV513104/FINAL.DWG
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TOPO SECTION OF USGS  
ADOLPH 7.5' QUADRANGLE