

CARNEGIE NATURAL GAS CO. LEASE (POCA-CARNEGIE) 38,753.36 ACRES± WELL NO. WV 513299

EXISTING WELL
A.P.I. #47-059-1515
STATE PLANE COORDINATES
SOUTH ZONE (NAD'27)

N. 204,171
E. 1,698,083
LAT=(N) 37.55606
LONG=(W) 82.04149

WELL NO. WV 513299
STATE PLANE COORDINATES
SOUTH ZONE (NAD'27)

N. 204,177
E. 1,698,108

LAT=(N) 37.55607
LONG=(W) 82.04141

UTM (NAD'83)
N. 4,157,084
E. 408,031

WELL NO. WV 513299
1515

2400'

POCAHONTAS LAND CORPORATION
2,449.27 ACRES±

DISTRICT

S 48°02' E
5389.05'

S 65°44' E
7000.00'

BRANCH

ADVERSE SURFACE / MINERAL TRACTS

BOTTOM HOLE WELL NO. WV 513299

C.M. LINKOUS ET UX
75.41 ACRES±

C.M. LINKOUS ET UX
99.78 ACRES±

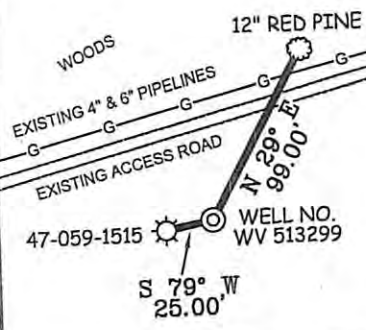
BOTTOM HOLE WELL NO. WV 513299
STATE PLANE COORDINATES
SOUTH ZONE (NAD'27)

N. 201,300
E. 1,704,489

LAT=(N) 37.54836
LONG=(W) 82.01929

UTM (NAD'83)
N. 4,156,207
E. 409,976

REFERENCES



NOTES ON SURVEY

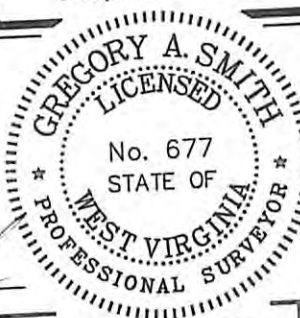
1. TIES TO WELLS AND CORNERS ARE BASED ON GRID NORTH FOR THE WV STATE PLANE COORDINATE SYSTEM SOUTH ZONE NAD '27.
2. TIES TO REFERENCES ARE BASED ON MAGNETIC NORTH 06/17/10.
3. LEASE / ADVERSE MINERAL TRACT BOUNDARIES TAKEN FROM DEED BOOK 131 PAGE 2.
4. SURFACE OWNER AND ADJOINER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF MINGO COUNTY IN JULY, 2010.
5. WELL LAT./LONG. (NAD'27) ESTABLISHED BY DGPS(SUBMETER MAPPING GRADE).



1" = 100'

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 SEPTEMBER 08, 20 10

OPERATORS WELL NO. WV 513299
API WELL NO. 47-059-021774
STATE CANCELLED COUNTY PERMIT

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



MINIMUM DEGREE OF ACCURACY 1 / 2500 FILE NO. 4672P513299 (311-09)
PROVEN SOURCE OF ELEVATION DGPS (SUBMETER MAPPING GRADE) SCALE 1" = 1,000'

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

LOCATION: ELEVATION 1,608' WATERSHED BEECH CREEK
DISTRICT MAGNOLIA COUNTY MINGO QUADRANGLE MAJESTIC 7.5'
SURFACE OWNER POCAHONTAS LAND CORPORATION ACREAGE 2,449.27±
ROYALTY OWNER PENN VIRGINIA OIL & GAS CORPORATION LEASE ACREAGE 38,753.60±
PROPOSED WORK: 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 5,260' (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

11/16/2012

COUNTY NAME
PERMIT