

EXISTING WELL
 A.P.I. 47-045-1909
 STATE PLANE COORDINATES
 SOUTH ZONE (NAD'27)

N. 287,214
 E. 1,798,662

LAT=(N) 37.78670
 LONG=(W) 81.69670

WELL NO. WV 512592
 STATE PLANE COORDINATES
 SOUTH ZONE (NAD'27)

N. 287,251
 E. 1,798,654

LAT=(N) 37.78680
 LONG=(W) 81.69673

UTM (NAD'83)
 N. 4,182,401
 E. 438,666

BOTTOM HOLE
 WELL NO. WV 512592
 STATE PLANE COORDINATES
 SOUTH ZONE (NAD'27)

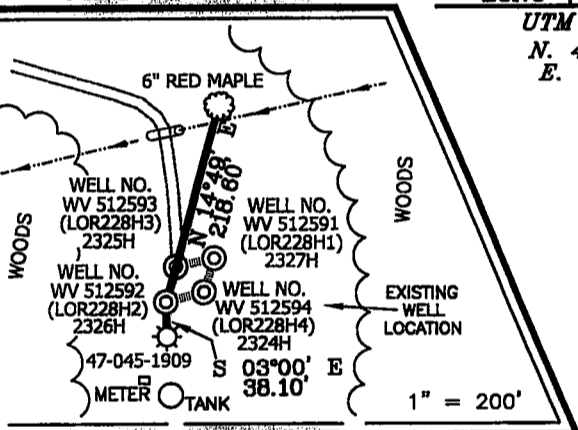
N. 280,982
 E. 1,801,767

LAT=(N) 37.76965
 LONG=(W) 81.68580

UTM (NAD'83)
 N. 4,180,491
 E. 439,615

WELL NO.
WV 512592

REFERENCES



NOTES ON SURVEY

1. TIES TO WELLS AND CORNERS ARE BASED ON STATE PLANE GRID NORTH WV SOUTH ZONE NAD '27.
2. TIES TO REFERENCES ARE BASED ON MAGNETIC NORTH 08/19/09.
3. LEASE BOUNDARY DOES NOT APPEAR WITHIN THE SCOPE OF THIS PLAT.
4. SURFACE OWNER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF LOGAN COUNTY IN JULY, 2010.
5. WELL LAT./LONG. ESTABLISHED BY DGPS(SUBMETER MAPPING GRADE).
6. ORIGINAL PLAT DATED 08/03/09 REVISED 11/28/10 TO ROTATE & EXTEND HORIZONTAL LEG, CHANGE BOTTOM HOLE COORDINATES & ADD UTM COORDINATES, ETC.

PARDEE & CURTIN REALTY, LLC
 5,338.277 ACRES±

BOTTOM HOLE WELL NO. WV 512592

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 NOVEMBER 29, 20 10

OPERATORS WELL NO. WV 512592

API WELL NO. 47-045-02326H
 STATE COUNTY PERMIT

CANCELLED

MINIMUM DEGREE OF ACCURACY 1/2500 FILE NO. 3906P512592R (283-61)
 PROVEN SOURCE OF ELEVATION DGPS (SUBMETER MAPPING GRADE) SCALE 1" = 1000'

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 1,614' WATERSHED DAVY BRANCH OF BUFFALO CREEK
 DISTRICT TRIADELPHIA COUNTY LOGAN QUADRANGLE LORADO 7.5'

SURFACE OWNER PARDEE & CURTIN REALTY, LLC ACREAGE 2,936±
 ROYALTY OWNER PARDEE MINERALS, LLC LEASE ACREAGE 18,000±
 PROPOSED WORK: LEASE NO. 004107

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 5,290' (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