

PARDEE LAND COMPANY LEASE

18,000 ACRES±

WELL NO. WV 512595

PARDEE AND CURTIN REALTY, LLC.
2,936 ACRES±

WELL NO. WV 512595
BOTTOM HOLE
STATE PLANE COORDINATES
(SOUTH ZONE)

N. 282,477
E. 1,800,261

LAT=(N) 37.77372
LONG=(W) 81.69105

PARDEE AND CURTIN REALTY, LLC.
5,338.277 ACRES±

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2,936 ACRES±

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5,338.277 ACRES±

LOGAN WYOMING COUNTY

COUNTY

EXISTING WELL 47-109-0154
STATE PLANE COORDINATES
(SOUTH ZONE)

N. 278,976
E. 1,801,506

LAT=(N) 37.76413
LONG=(W) 81.68665

WELL NO. WV 512595
47-109-0154

WELL NO. WV 512595
STATE PLANE COORDINATES
(SOUTH ZONE)

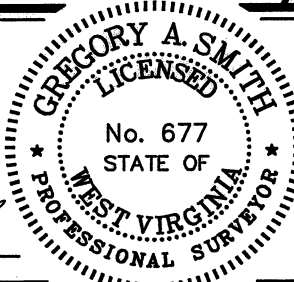
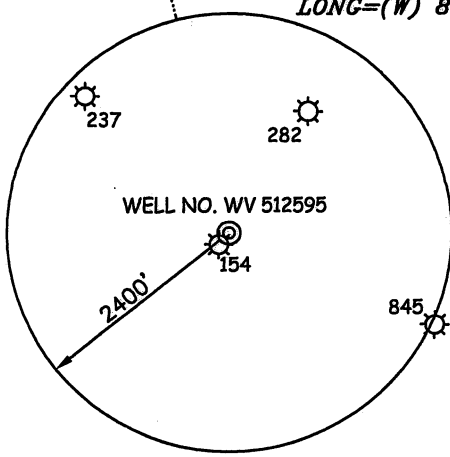
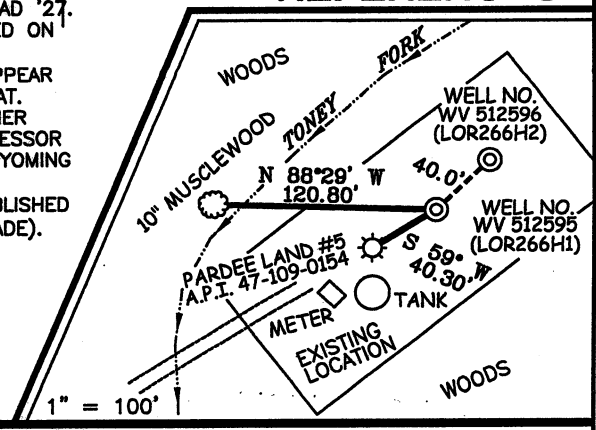
N. 279,004
E. 1,801,537

LAT=(N) 37.76421
LONG=(W) 81.68655

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 08/10/09.
3. LEASE BOUNDARY DOES NOT APPEAR WITHIN THE SCOPE OF THIS PLAT.
4. SURFACE OWNER AND ADJOINER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF WYOMING COUNTY IN JULY, 2009.
5. WELL LAT./LONG. (NAD'27) ESTABLISHED BY DGPS(SUBMETER MAPPING GRADE).

REFERENCES



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 SEPTEMBER 01, 20 09

OPERATORS WELL NO. WV 512595

API API - 109 - 3108

WELL NO. 47 - 109 - 03109H

STATE PERMIT

CANCELLED

MINIMUM DEGREE OF ACCURACY 1 / 2500 FILE NO. 3906P512595 (283-55)

PROVEN SOURCE OF ELEVATION DGPS (SUBMETER MAPPING GRADE) SCALE 1" = 1,000'

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 TONEY FORK OF HUFF CREEK

DISTRICT OCEANA COUNTY WYOMING QUADRANGLE LORADO 7.5'

SURFACE OWNER PARDEE AND CURTIN REALTY, LLC. ACREAGE 5,338.277±

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 5,350' (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