



LANDING POINT
WELL NO. WV 513226
STATE PLANE COORDINATES
SOUTH ZONE (NAD '27)
 N. 228,575
 E. 1,693,027
 LAT=(N) 37.62292
 LONG=(W) 82.05989
 UTM (NAD '83)
 N. 4,164,518
 E. 406,482

BOTTOM HOLE
WELL NO. WV 513226
STATE PLANE COORDINATES
SOUTH ZONE (NAD '27)
 N. 231,948
 E. 1,688,772
 LAT=(N) 37.63204
 LONG=(W) 82.07472
 UTM (NAD '83)
 N. 4,165,545
 E. 405,185

WELL NO. WV 513226
STATE PLANE COORDINATES
SOUTH ZONE (NAD '27)
 N. 229,003
 E. 1,694,097
 LAT=(N) 37.62412
 LONG=(W) 82.05622
 UTM (NAD '83)
 N. 4,164,648
 E. 406,808

"A"- NICEWONDER CONTRACTING INC. 7.61 AC.±
 "B"- PHILLIP MITCHELL 35.36 AC.±
 "C"- RODMAN ELLISON THOMPSON 817.31 AC.± (SURFACE)

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 05/06/10.
 3. LEASE BOUNDARY, ADVERSE MINERAL TRACT AND INTERIOR SURFACE BOUNDARIES TAKEN FROM POCAHONTAS LAND CORP. PROPERTY MAP MINGO-LOGAN SHEETS 4 & 5 & DEED BOOK 138 PAGE 409.
 4. SURFACE OWNER AND ADJOINER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF MINGO COUNTY IN JULY, 2009.
 5. WELL LAT./LONG. (NAD'27) ESTABLISHED BY DGPS(SUBMETER MAPPING GRADE).



I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAN 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 20, 20 10
 OPERATORS WELL NO. WV 513226
 API WELL NO. 47-059-027111
 STATE WV COUNTY MINGO PERMIT 027111

MINIMUM DEGREE OF ACCURACY 1/2500 FILE NO. 4672P513226 (299-45)
 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 1,208' WATERSHED MATE CREEK
 DISTRICT MAGNOLIA COUNTY MINGO QUADRANGLE MAJESTIC 7.5'
 SURFACE OWNER POCAHONTAS LAND CORPORATION ACREAGE 662.8±
 ROYALTY OWNER PENN VIRGINIA OIL & GAS CORPORATION (38,753.36± AC.) / COTIGA DEVELOPMENT COMPANY (TRACT #85)
 PROPOSED WORK: LEASE NO. 717459 / 080687
 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 4,720' (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