

SURFACE HOLE
 X) 1,670,304
 Y) 448,002
 NAD 27
 DEC. LAT.) 39.72411
 DEC. LONG.) 80.67217
 NAD 83
 DEC. LAT.) 39.72419
 DEC. LONG.) 80.67198

TARGET POINT
 X) 1,670,620
 Y) 448,673
 NAD 27
 DEC. LAT.) 39.72597
 DEC. LONG.) 80.67107
 NAD 83
 DEC. LAT.) 39.72805
 DEC. LONG.) 80.67089

BOTTOM HOLE
 X) 1,666,817
 Y) 452,220
 NAD 27
 DEC. LAT.) 39.73557
 DEC. LONG.) 80.68476
 NAD 83
 DEC. LAT.) 39.73565
 DEC. LONG.) 80.68457

REFERENCE NOTES

LEASE AS SHOWN TAKEN FROM DESCRIPTION RECORDED IN DEED BOOK 502 PAGE 627 AND OTHERS.

OWNERSHIP TAKEN FROM PUBLIC RECORDS OF MARSHALL COUNTY, WV IN SEPTEMBER, 2009.

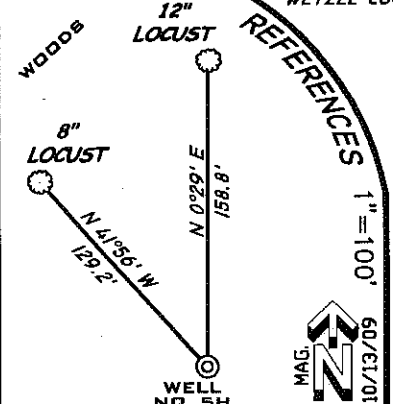
NAD 27 LAT./LONG. BY DIFFERENTIAL SUBMETER MAPPING GRADE GPS

DRAFTED BY: J.M.S.

LEGEND

----- LEASED AREAS

----- SURFACE TRACTS



FILE NUMBER **W080165 (WB14-63)**

DRAWING NUMBER **W080165_5H.dwg**

SCALE **1" = 1000'**

MINIMUM DEGREE OF ACCURACY **1/200**

PROVEN SOURCE OF ELEVATION **SUBMETER MAPPING GRADE GPS**

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 DEPARTMENT OF ENVIRONMENTAL PROTECTION

P.S. 1006

Terry A. Shreve



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

DATE: OCTOBER 22, 2009
831654 WARYCK LEASE
 OPERATORS WELL NO. WELL NO. 5H
 API WELL NO. 47-051-01332H
 STATE COUNTY PERMIT

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS") PRODUCTION STORAGE DEEP SHALLOW
 LOCATION ELEVATION 1323' WATERSHED LYNN CAMP RUN
 DISTRICT MEADE COUNTY MARSHALL
 QUADRANGLE WILEYVILLE 7.5' LEASE NUMBER

SURFACE OWNER ARTHUR WARYCK ACREAGE 125.39
 OIL & GAS ROYALTY OWNER MARY HOLMES LEASE ACREAGE 125.39 OF 545.79

PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE (SPECIFY)

TARGET FORMATION MARCELLUS ESTIMATED DEPTH 7091' + Horizontal Leg
 PLUG & ABANDON CLEAN OUT & REPLUG

WELL OPERATOR CHESAPEAKE APPALACHIA, L.L.C. DESIGNATED AGENT JAMES E. GREY
 ADDRESS P.O. BOX 18496 OKLAHOMA CITY, OK 73154-0496 ADDRESS P.O. BOX 6070 CHARLESTON, WV 25362

CANCELLED

02/10/2012

COUNTY NAME
 PERMIT