

LATITUDE 38° 55' 00"
LYNETTE HOWES LEASE
 66.05 OF 330.68 ACRES ±
WELL NO. 1H
47-097-03720H

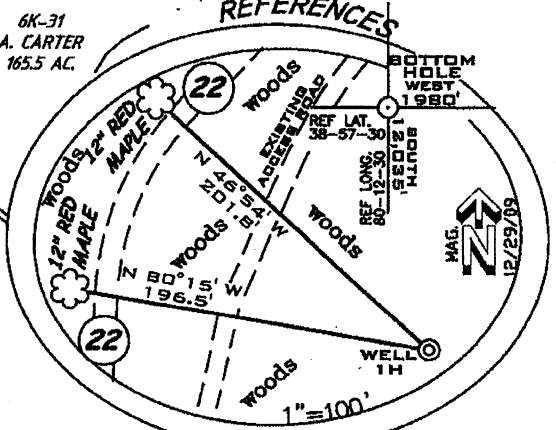
LEGEND
 — LEASED AREAS
 — SURFACE TRACTS

SURFACE HOLE
 X) 2,225,944
 Y) 697,909
 NAD 27
 DEC. LAT.) 38.91392
 DEC. LONG.) 80.20598
 LAT.) 38-54-50.1
 LONG.) 80-12-21.5

TARGET POINT
 X) 2,224,726
 Y) 697,986
 NAD 27
 DEC. LAT.) 38.91418
 DEC. LONG.) 80.21028
 LAT.) 38-54-51.0
 LONG.) 80-12-36.9

BOTTOM HOLE
 X) 2,223,256
 Y) 702,026
 NAD 27
 DEC. LAT.) 38.92529
 DEC. LONG.) 80.21530
 LAT.) 38-55-31.0
 LONG.) 80-12-55.1

REFERENCE NOTES
 LEASE AS SHOWN TAKEN FROM DESCRIPTION RECORDED IN DEED BOOK 486 PAGE 345 AND OTHERS.
 OWNERSHIP TAKEN FROM PUBLIC RECORDS OF UPSHUR COUNTY, WV IN AUGUST, 2009.
 NAD 27 LAT./LONG. BY DIFFERENTIAL SUBMETER MAPPING GRADE GPS
 DRAFTED BY: E.C.W.

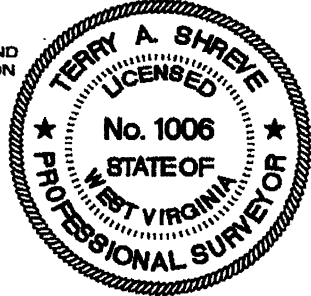


(+) DENOTES LOCATION ON UNITED STATES TOPOGRAPHIC MAPS

FILE NUMBER W090201(WB14-44,51,68)
 DRAWING NUMBER W090201_1H-chng-BH.rev0710
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY 1/2500
 PROVEN SOURCE OF ELEVATION SUBMETER MAPPING GRADE GPS

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



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

DATE: FEB. 23, 2010 REVISED DATE: JULY 8, 2010

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

OPERATORS WELL NO. LYNETTE HOWES 1H
 API WELL NO. 47-097-03720HP
 STATE COUNTY PERMIT

LOCATION ELEVATION 1850' WATERSHED TRUBIE RUN
 DISTRICT WASHINGTON COUNTY UPSHUR
 QUADRANGLE BUCKHANNON 7.5'

SURFACE OWNER LYNETTE & RENEE HOWES ACREAGE 66.05±
 OIL & GAS ROYALTY OWNER HAROLD G. OURS LEASE ACREAGE 330.68±

PROPOSED WORK: DRILL CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE PLUG OFF OLD FORMATION ___
 PERFORATE NEW FORMATION ___ OTHER PHYSICAL CHANGE (SPECIFY) LENGTHEN BOREPATH AND REVISE
 BOTTOM HOLE PLUG & ABANDON ___ CLEAN OUT & REPLUG ___
 ESTIMATED DEPTH 7300' + Horizontal Leg

TARGET FORMATION MARCELLUS
 WELL OPERATOR CHESAPEAKE APPALACHIA, L.L.C. DESIGNATED AGENT ERIC B. GILLESPIE
 ADDRESS P.O. BOX 18496 OKLAHOMA CITY, OK 73154-0496 ADDRESS 414 SUMMERS STREET CHARLESTON, WV 25301