

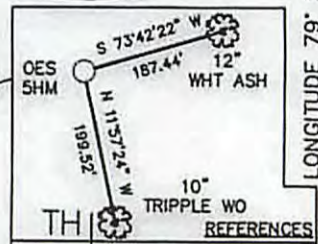
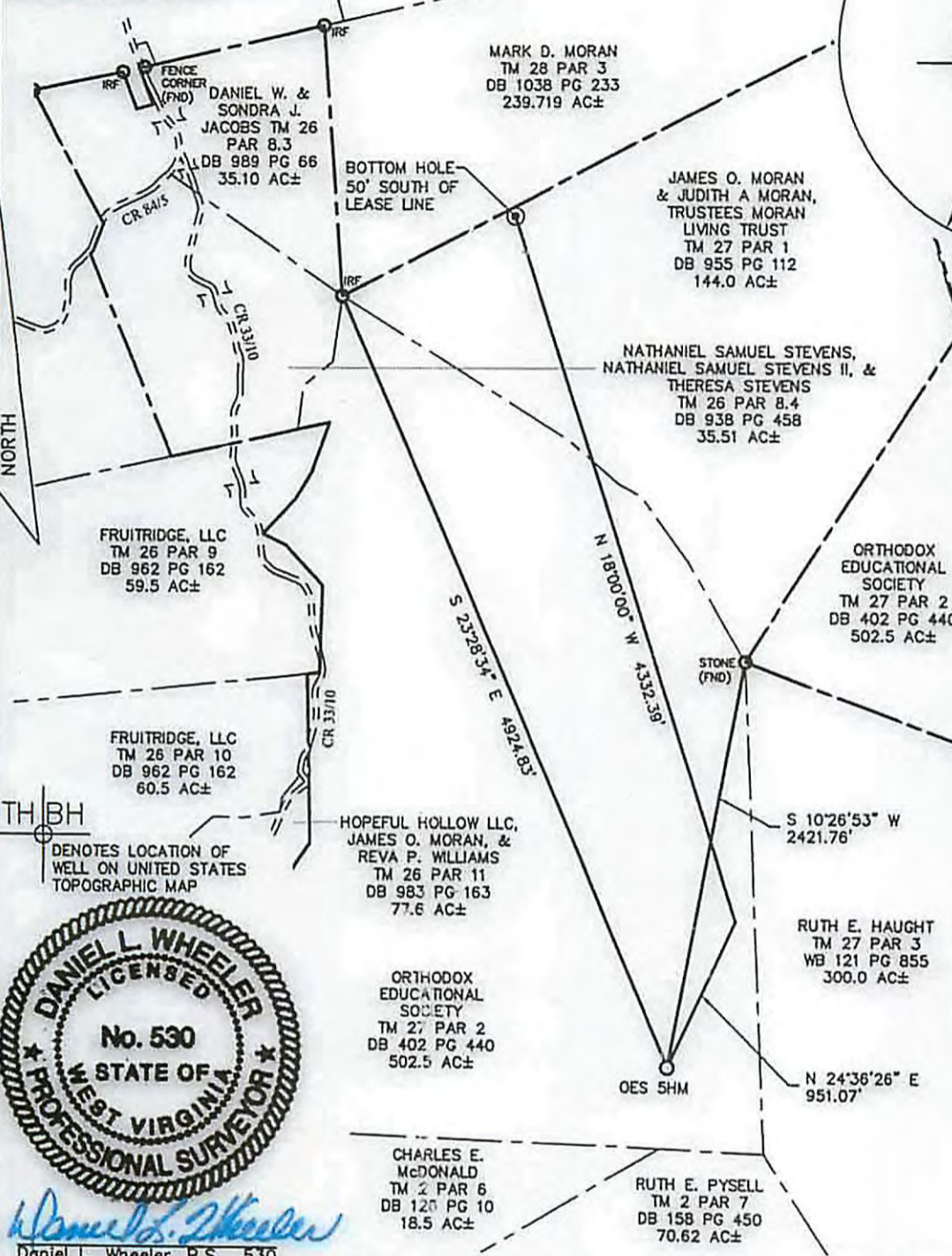
PDC MOUNTAINEER, LLC
WELL NO. OES 5HM

LATITUDE 39° 27' 30"

NOTES:

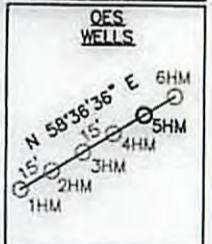
-PLAT ORIENTATION, CORNERS, AND WELL REFERENCES ARE BASED UPON THE GRID NORTH MERIDIAN FOR THE WV STATE PLANE COORDINATE SYSTEM, NORTH ZONE NAD 27. WELL LOCATION REFERENCE TIES ARE BASED UPON THE MAGNETIC MERIDIAN.

-THERE APPEARS TO BE NO WATER WELLS LOCATED WITHIN 1000' OF WELL OES 5HM.



WELL NO. OES 5HM TOP HOLE
STATE PLANE COORDINATES (NAD 27 NORTH ZONE) N: 341387.3679 E: 1867739.3056 LAT: 39° 26' 10.909" LON: 79° 58' 05.782"
STATE PLANE COORDINATES (NAD 83 NORTH ZONE-METER) N: 104066.808 E: 559705.754 UTM COORDINATES (NAD 83-METER) N: 4365501.079 E: 588790.963 LAT: 39° 26' 11.226" LON: 79° 58' 05.038"

WELL NO. OES 5HM BOTTOM HOLE
STATE PLANE COORDINATES (NAD 27 NORTH ZONE) N: 346372.4139 E: 1866796.5475 LAT: 39° 27' 00.131" LON: 79° 58' 18.132"
STATE PLANE COORDINATES (NAD 83 NORTH ZONE-METER) N: 105586.207 E: 559418.435 UTM COORDINATES (NAD 83-METER) N: 4367233.962 E: 588493.841 LAT: 39° 27' 00.446" LON: 79° 58' 17.388"



TH BH
DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAP



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.

FILE NO. 030-2000
SCALE: 1"=1000'
MINIMUM DEGREE OF ACCURACY: 1 in 2500
PROVEN SOURCE OF ELEVATION: OPUS SURVEY GRADE GPS



DATE OCTOBER 12, 2011
OPERATOR'S WELL NO. OES NO. 5HM
API WELL NO. CANCELLED
47 - 091 - 012108H
STATE COUNTY PERMIT

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

LOCATION: ELEVATION: 1945.5' WATER SHED: WHITE DAY CREEK
DISTRICT: FETTERMAN COUNTY: TAYLOR
QUADRANGLE: GLADESVILLE 7.5' ACREAGE: 502.5 AC±
SURFACE OWNER: ORTHODOX EDUCATIONAL SOCIETY LEASE ACREAGE: 646.50 AC ±
OIL & GAS ROYALTY OWNER: ORTHODOX EDUCATIONAL SOCIETY, ET. AL. LEASE NO. _____

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



PLUG AND ABANDON _____ CLEAN OUT AND REPLUG _____
TARGET FORMATION: MARCELLUS SHALE ESTIMATED DEPTH: 7,965' TVD / 13,500' MD

WELL OPERATOR: PDC MOUNTAINEER, LLC DESIGNATED AGENT: JAMES A HAGA
ADDRESS: 120 GENESIS BOULEVARD ADDRESS: 120 GENESIS BOULEVARD
BRIDGEPORT, WV 26330 BRIDGEPORT, WV 26330