

**PDC MOUNTAINEER, LLC
WELL NO. D'ANNUNZIO 4HM**

NOTE:
-BOTTOM HOLE 15' SOUTH OF LEASE LINE

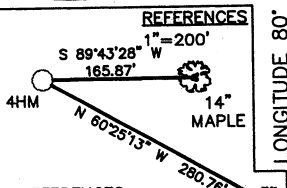
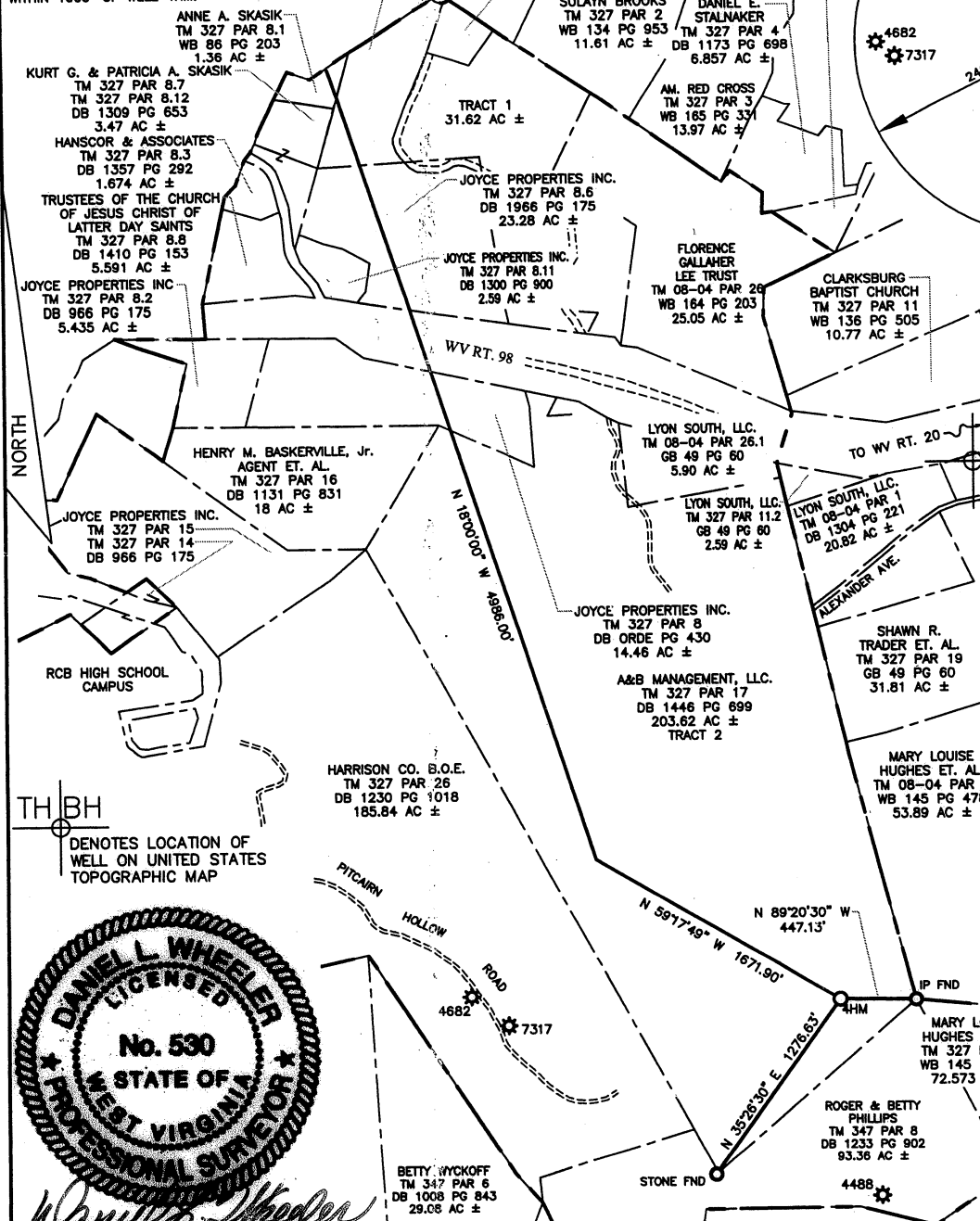
LATITUDE 39° 17' 30"

785' TOP HOLE
3815' BOTTOM HOLE

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 4HM.

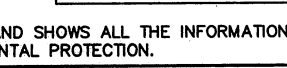


REFERENCES
1"=200'
S 89°43'28" W 165.87'
N 60°25'13" W 280.76'
14" MAPLE

REFERENCES
1"=200' 8" WHT. ASH

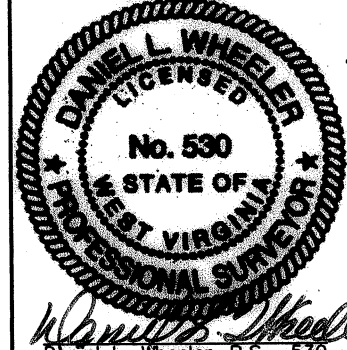
WELL NO. 4HM TOP HOLE
STATE PLANE COORDINATES (NAD 27 NORTH ZONE)
N: 276002.1083
E: 1763234.5498
LAT: 39° 15' 17.15"
LONG: 80° 20' 09.97"
STATE PLANE COORDINATES (NAD 83 NORTH ZONE-METER)
N: 84137.134
E: 527851.922
UTM COORDINATES (NAD 83-METER)
N: 4345268.768
E: 557297.618
LAT: 39° 15' 17.48"
LON: 80° 20' 09.30"

WELL NO. 4HM BOTTOM HOLE
STATE PLANE COORDINATES (NAD 27 NORTH ZONE)
N: 276002.1083
E: 1760256.2492
LAT: 39° 16' 12.18"
LONG: 80° 20' 48.50"
STATE PLANE COORDINATES (NAD 83 NORTH ZONE-METER)
N: 85842.864
E: 526944.148
UTM COORDINATES (NAD 83-METER)
N: 4346958.414
E: 556361.890
LAT: 39° 16' 12.50"
LON: 80° 20' 47.83"



D'ANNUNZIO WELLS

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. 050-4349
SCALE: 1"=1000'
MINIMUM DEGREE OF ACCURACY: 1 in 2500
PROVEN SOURCE OF ELEVATION: OPUS SURVEY GRADE GPS

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

DATE OCTOBER 5, 2011
OPERATOR'S WELL NO. D'ANNUNZIO NO. 4HM
API WELL NO. Revised
47 - 033 - 05566
STATE COUNTY PERMIT

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL (IF "GAS"), PRODUCTION STORAGE DEEP SHALLOW
LOCATION: ELEVATION: 1110' WATER SHED: NUTTER RUN OF ELK CREEK
DISTRICT: CLARK COUNTY: HARRISON
QUADRANGLE: CLARKSBURG 7.5' ACREAGE: 235.24 AC±
SURFACE OWNER: A&B MANAGEMENT, LLC. LEASE ACREAGE: 283.28 AC ±
OIL & GAS ROYALTY OWNER: A&B MANAGEMENT, LLC. 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: 7,070' TVD / 13,600' MD

WELL OPERATOR: PDC MOUNTAINEER, LLC DESIGNATED AGENT: LARRY E. CARDER
ADDRESS: 120 GENESIS BOULEVARD ADDRESS: 120 GENESIS BOULEVARD
BRIDGEPORT, WV 26330 BRIDGEPORT, WV 26330

