

PDC MOUNTAINEER, LLC
WELL NO. D'ANNUNZIO 5HM

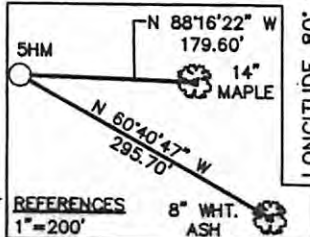
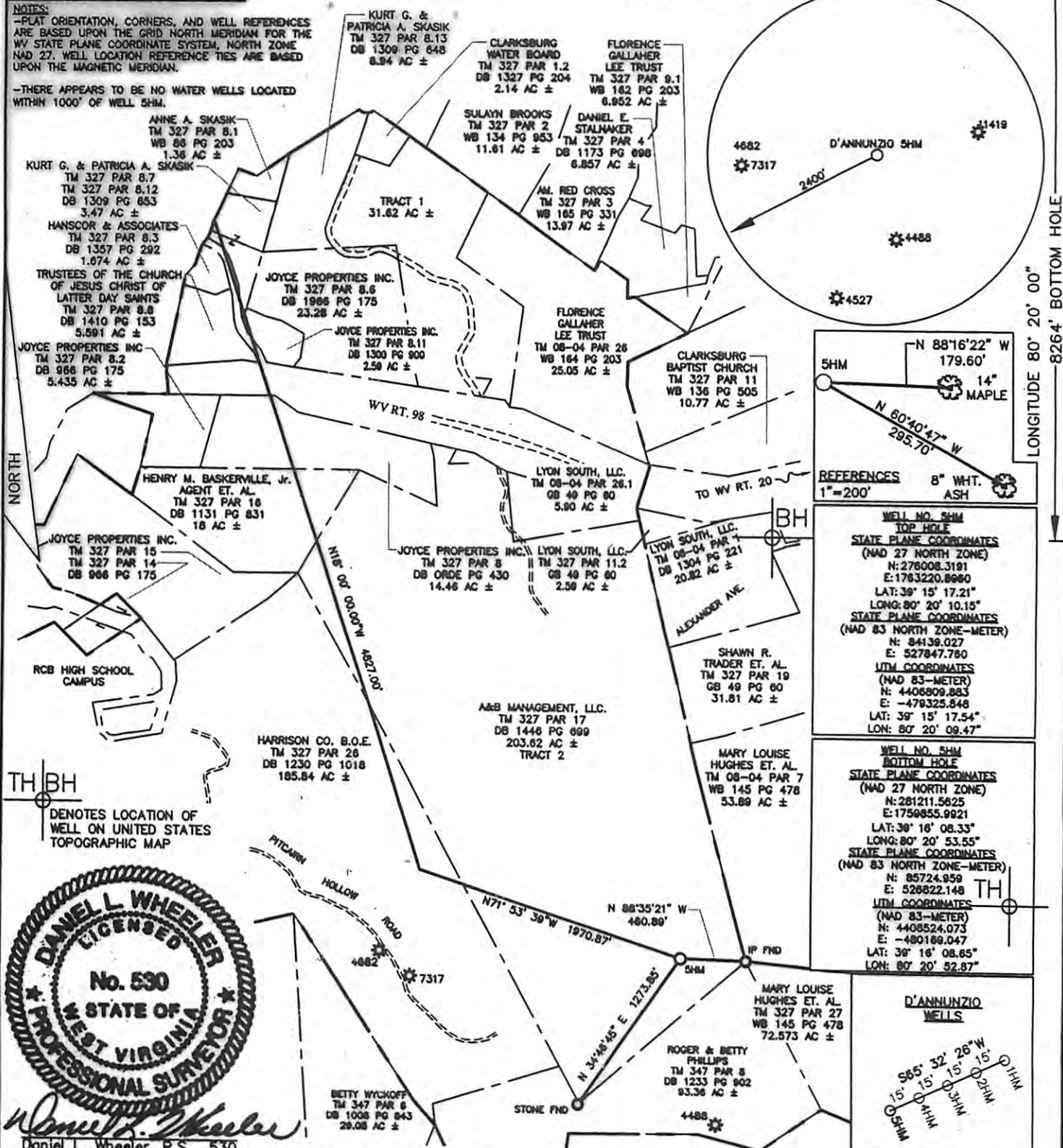
NOTE:
 -BOTTOM HOLE 15' SOUTH OF LEASE LINE

LATITUDE 39° 17' 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 5HM.



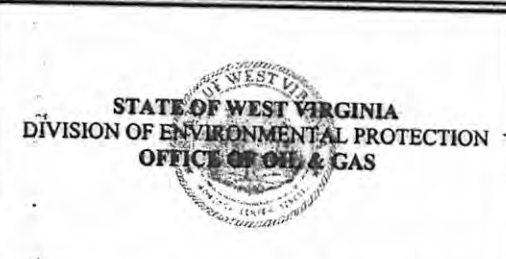
WELL NO. 5HM TOP HOLE
 STATE PLANE COORDINATES (NAD 27 NORTH ZONE)
 N: 278008.3191
 E: 1783220.8980
 LAT: 39° 15' 17.21"
 LONG: 80° 20' 10.15"
 STATE PLANE COORDINATES (NAD 83 NORTH ZONE-METER)
 N: 84139.027
 E: 527847.780
 UTM COORDINATES (NAD 83-METER)
 N: 4408809.883
 E: -479325.848
 LAT: 39° 15' 17.54"
 LONG: 80° 20' 09.47"

WELL NO. 5HM BOTTOM HOLE
 STATE PLANE COORDINATES (NAD 27 NORTH ZONE)
 N: 281211.5625
 E: 1759855.9921
 LAT: 39° 16' 08.33"
 LONG: 80° 20' 53.55"
 STATE PLANE COORDINATES (NAD 83 NORTH ZONE-METER)
 N: 85724.959
 E: 526822.148
 UTM COORDINATES (NAD 83-METER)
 N: 4408524.073
 E: -480169.047
 LAT: 39° 16' 08.65"
 LONG: 80° 20' 52.87"



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. 050-4300
 SCALE: 1"=1000'
 MINIMUM DEGREE OF ACCURACY: 1 in 2500
 PROVEN SOURCE OF ELEVATION: OPUS SURVEY GRADE GPS



DATE JUNE 3, 2011
 OPERATOR'S WELL NO. D'ANNUNZIO NO. 5HM
 API WELL NO. 47 - 033 - 05567H
 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: 459.60 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 / 13,500' MD

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

09/13/2013