

- NOTES:
1. There are no water wells or developed springs within 250' of proposed well.
 2. There are no existing buildings within 625' of proposed well.
 3. Proposed well is greater than 100' from perennial stream, wetland, pond, reservoir or lake.
 4. There are no native trout streams within 300' of proposed well.
 5. Proposed well is greater than 1000' from surface/groundwater intake or public water supply.
 6. It is not the purpose or intention of this plat to represent surveyed locations of the surface or mineral parcels depicted hereon. The location of the boundary lines, as shown, and based on record deed descriptions, field evidence found and/or tax map position, unless otherwise noted.
 7. Parcel ended as 388 is also bounded by parcels coded as (from West to East): 393, 390, & 391.

WATER WELLS:
NONE FOUND

PVE ENGINEERING
Civil Engineering | Land Development | Structure Design
Land Planning | Landscape Architecture | Environmental

DETAIL A = 1:2000



DETAIL B = 1:2000



LEGEND

- PROPOSED WELL
- WATER SOURCE
- REFERENCE NUMBER FOR SURFACE PARCEL OWNER
- REFERENCE NUMBER FOR MINERAL OWNERSHIP
- ALL ARE POINTS UNLESS OTHERWISE NOTED
- MINERAL TRACT BOUNDARY
- PARCEL LINES
- PROPOSED HORIZONTAL WELL
- WELL REFERENCE
- STREAM/WATERWAY
- ROAD
- UNIT BOUNDARY
- EXISTING GAS WELL

FILE #: MND 20 EU
DRAWING #: MND 20 EU
SCALE: 1"=2000'
MINIMUM DEGREE OF ACCURACY: 1/2500
PROVEN SOURCE OF ELEVATION: U.S.G.S. MONUMENT H 138: 638.58'

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.

SIGNED: *[Signature]*
R.P.E.: 18766 L.L.S.: P.S. NO.



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS WVDEP
OFFICE OF OIL & GAS
601 57TH STREET
CHARLESTON, WV 25304
Well Type: Oil Waste Disposal Gas Liquid Injection
WATERSHED: SHORT CREEK-OHIO RIVER
COUNTY/DISTRICT: MARSHALL / FRANKLIN
SURFACE OWNER: CONSOLIDATION COAL COMPANY / MURRAY ENERGY
OIL & GAS ROYALTY OWNER: CNX GAS COMPANY
DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD
FORMATION PERFORATE NEW FORMATION PLUG AND ABANDON CLEAN OUT & REPLUG OTHER CHANGE (SPECIFY)
TARGET FORMATION: POINT PLEASANT
WELL OPERATOR: HG ENERGY II APPALACHIA, LLC
Address: 5260 DUPONT ROAD
City PARKERSBURG State WV Zip Code 26101



DATE: AUGUST 19, 2015 - REV: JULY 11, 2018
OPERATOR'S WELL #: MND 20 EU
API WELL # 47 051 02045H6A
STATE COUNTY PERMIT
ELEVATION: 1058'
QUADRANGLE: POWHATAN POINT, W. VA./OHIO
ACREAGE: 70.55
ESTIMATED DEPTH: TVD: 10,700' ± TMD: 28,382±
DESIGNATED AGENT: DIANE C. WHITE
Address: 5260 DUPONT ROAD
City PARKERSBURG State WV Zip Code 26101

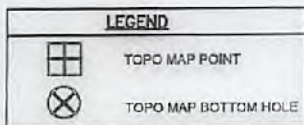
Bottom Hole is located on topo map 4,555 feet south of Latitude: 39° 50' 00"

Well is located on topo map 8,488 feet south of Latitude: 39° 52' 30"

Bottom Hole is located on topo map 2,038 feet west of Longitude: 80° 45' 00"
 Well is located on topo map 3,250 feet west of Longitude: 80° 47' 30"

SURFACE HOLE LOCATION (SHL)

UTM 17 - NAD83
 N: 4411324.348
 E: 516847.551
 NAD27, WV NORTH
 N: 494976.760
 E: 1634113.254
 LAT/LON DATUM-NAD83
 LAT: 39.851774
 LON: -80.803054



APPROX. LANDING POINT

UTM 17 - NAD83
 N: 4411888.656
 E: 517893.210
 NAD27, WV NORTH
 N: 496771.137
 E: 1637575.429
 LAT/LON DATUM-NAD83
 LAT: 39.856837
 LON: -80.790815

BOTTOM HOLE LOCATION

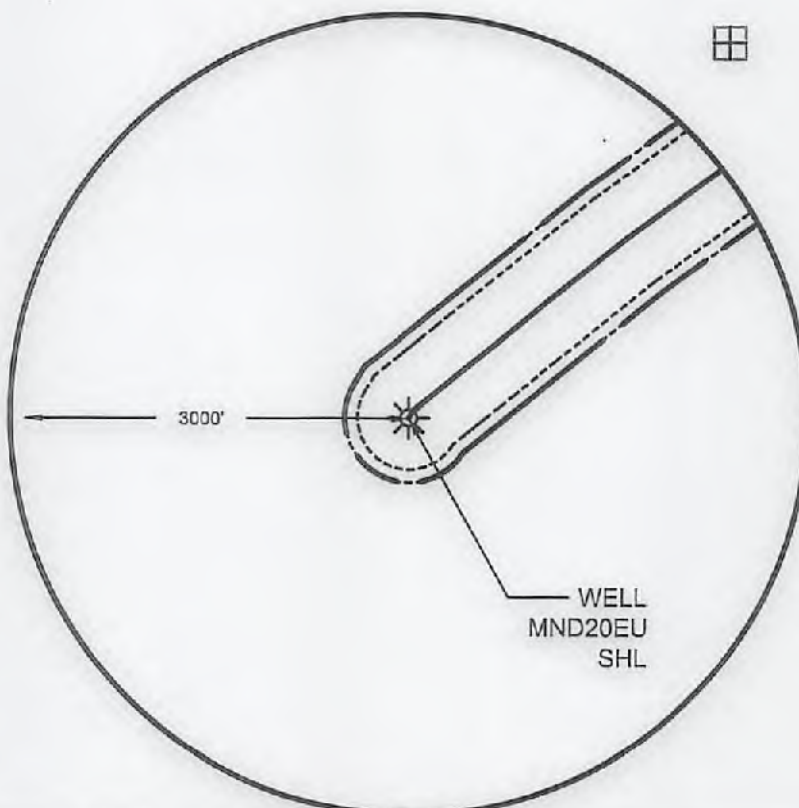
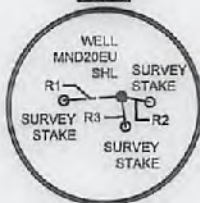
UTM 17 - NAD83
 N: 4407907.960
 E: 520790.858
 NAD27, WV NORTH
 N: 483549.416
 E: 1646865.776
 LAT/LON DATUM-NAD83
 LAT: 39.820905
 LON: -80.757086

DETAIL:
 SCALE: 1"=1,500'

LINE TABLE

LINE	BEARING	DISTANCE
R1	N85°59'24"E	301.99'
R2	N78°21'30"W	150.23'
R3	N07°36'13"W	158.51'
R4	N55°25'58"W	1771.24'
R5	N48°54'25"E	405.57'

REFERENCE DETAIL



Waterfront Corporate Park II, Suite 101
 2650 Georgetown Drive
 Seneca, PA 15703

P: 724-914-1100
 F: 724-444-1104
 www.pve.com



Civil Engineering | Land Development | Structure Design
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