

Waterford Corporate Park II, Site 101  
3002 Georgetown Drive  
Pottsville, PA 17854

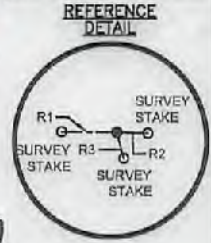
P: 724-444-1100  
F: 724-444-1101  
www.pve.com

**PVE ENGINEERING**

Civil Engineering | Land Development | Structures Design  
Land Planning | Landscape Architecture | Environmental

**NOTES:**

- There are no water wells or developed springs within 250' of proposed well.
- There are no existing buildings within 625' of proposed well.
- Proposed well is greater than 100' from perennial stream, wetland, pond, reservoir or lake.
- There are no native trout streams within 300' of proposed well.
- Proposed well is greater than 1000' from surface/groundwater intake or public water supply.
- 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.



FILE #: MND 20 AU

DRAWING #: MND 20 AU

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.: 21452 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  Production  Deep  
 Gas  Liquid Injection  Storage  Shallow

WATERSHED: SHORT CREEK-OHIO RIVER ELEVATION: 1,058'

COUNTY/DISTRICT: MARSHALL / FRANKLIN QUADRANGLE: POWHATAN POINT, W. VA./OHIO

SURFACE OWNER: CONSOLIDATION COAL COMPANY/ MURRAY ENERGY ACREAGE: 70.55

OIL & GAS ROYALTY OWNER: CNX GAS COMPANY ACREAGE: 70.55

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 ESTIMATED DEPTH: TVD: 10,700' ± TMD: 26,454±

WELL OPERATOR: HG ENERGY II APPALACHIA, LLC DESIGNATED AGENT: DIANE C. WHITE

Address: 5260 DUPONT ROAD Address: 5260 DUPONT ROAD

City PARKERSBURG State WV Zip Code 26101 City PARKERSBURG State WV Zip Code 26101

DATE: AUGUST 19, 2015 - REV: MAY 4, 2018

OPERATOR'S WELL #: MND 20 AU

API WELL # 47 051 02011

STATE COUNTY PERMIT  
HGA

PAGE: 1 OF 4

**08/31/2018**



**SURFACE HOLE LOCATION (SHL)**

UTM 17 - NAD83  
 N: 4411320.011  
 E: 516843.368  
 NAD27, WV NORTH  
 N: 494962.755  
 E: 1634099.293  
 LAT/LON DATUM-NAD83  
 LAT: 39.851735  
 LON: -80.803103

**APPROX. LANDING POINT**

UTM 17 - NAD83  
 N: 4410805.525  
 E: 516042.639  
 NAD27, WV NORTH  
 N: 493318.424  
 E: 1631443.568  
 LAT/LON DATUM-NAD83  
 LAT: 39.847115  
 LON: -80.812476

**BOTTOM HOLE LOCATION**

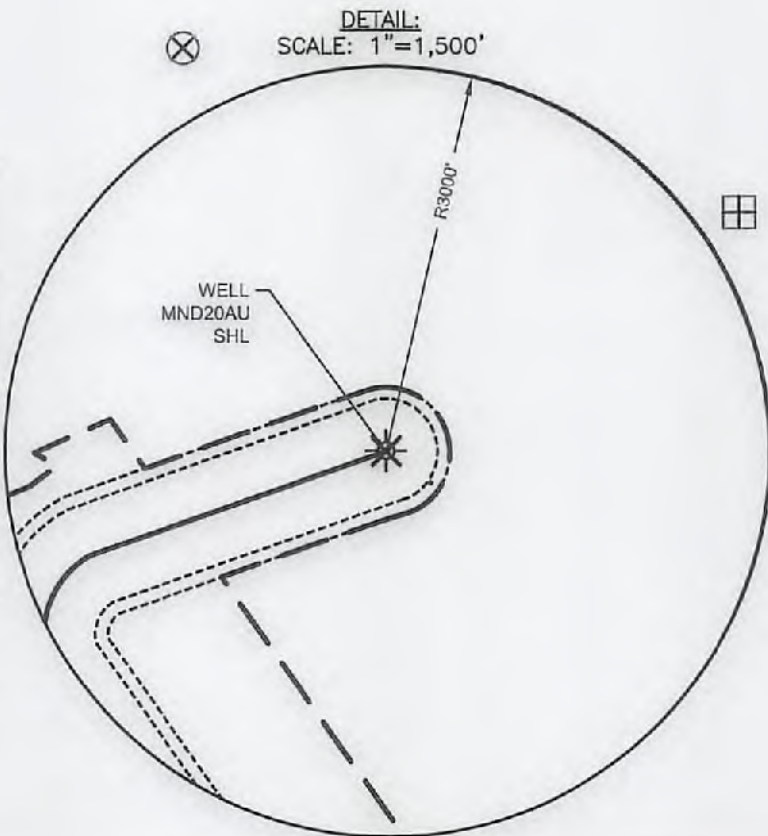
UTM 17 - NAD83  
 N: 4407222.760  
 E: 518850.642  
 NAD27, WV NORTH  
 N: 481418.429  
 E: 1639805.284  
 LAT/LON DATUM-NAD83  
 LAT: 39.814781  
 LON: -80.782093

Bottom Hole is located on topo map 6,786 feet south of Latitude: 39° 50' 00"  
 Well is located on topo map 8,502 feet south of Latitude: 39° 52' 30"

Bottom Hole is located on topo map 9,068 feet west of Longitude: 80° 45' 00"  
 Well is located on topo map 3,254 feet west of Longitude: 80° 47' 30"

**LEGEND**

- TOPO MAP POINT
- WATER SOURCE
- REFERENCE NUMBER FOR SURFACE PARCEL OWNERSHIP
- REFERENCE NUMBER FOR MINERAL OWNERSHIP
- ALL ARE POINTS UNLESS OTHERWISE NOTED
- MINERAL TRACT BOUNDARY
- PARCEL LINES
- PROPOSED HORIZONTAL WELL
- WELL REFERENCE
- STREAM/WATERWAY
- ROAD
- OFFSET BOUNDARY
- UNIT BOUNDARY
- EXISTING WELL LATERAL
- EXISTING GAS WELL
- TOPO MAP BOTTOM HOLE



Waterford Corporate Park II, Suite 101  
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 Sewickley, PA 15142

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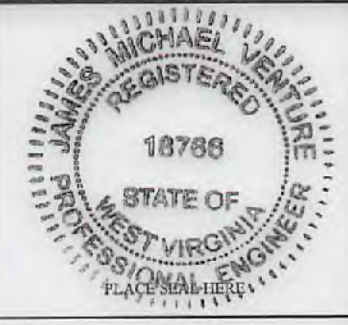
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