

Weather Criteria Part II, Date 10/1  
 2002 Georgetown Drive  
 Sockley, PA 15143

P: 724-444-1120  
 F: 724-444-1154  
 www.pve.com

**PVE ENGINEERING**

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

FILE #: MND 20 CU

DRAWING #: MND 20 CU

SCALE: 1"=2000'

MINIMUM DEGREE OF ACCURACY: 1/2500

PROVEN SOURCE: U.S.G.S. MONUMENT  
 OF ELEVATION: 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: 1058'

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: 27,371±

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

Address: 5280 DUPONT ROAD Address: 5280 DUPONT ROAD

City PARKERSBURG State WV Zip Code 26101 City PARKERSBURG State WV Zip Code 28101



DATE: AUGUST 19, 2015 - REV: MAY 11, 2018

OPERATOR'S WELL #: MND 20 CU

API WELL # 47 051 02013

STATE COUNTY PERMIT

PAGE: 1 OF 4 H6A

Bottom Hole is located on topo map 6,654 feet south of Latitude: 39° 50' 00"  
 Well is located on topo map 8,519 feet south of Latitude: 39° 52' 30"

Bottom Hole is located on topo map 5,385 feet west of Longitude: 80° 45' 00"  
 Well is located on topo map 3,247 feet west of Longitude: 80° 47' 30"

**SURFACE HOLE LOCATION (SHL)**

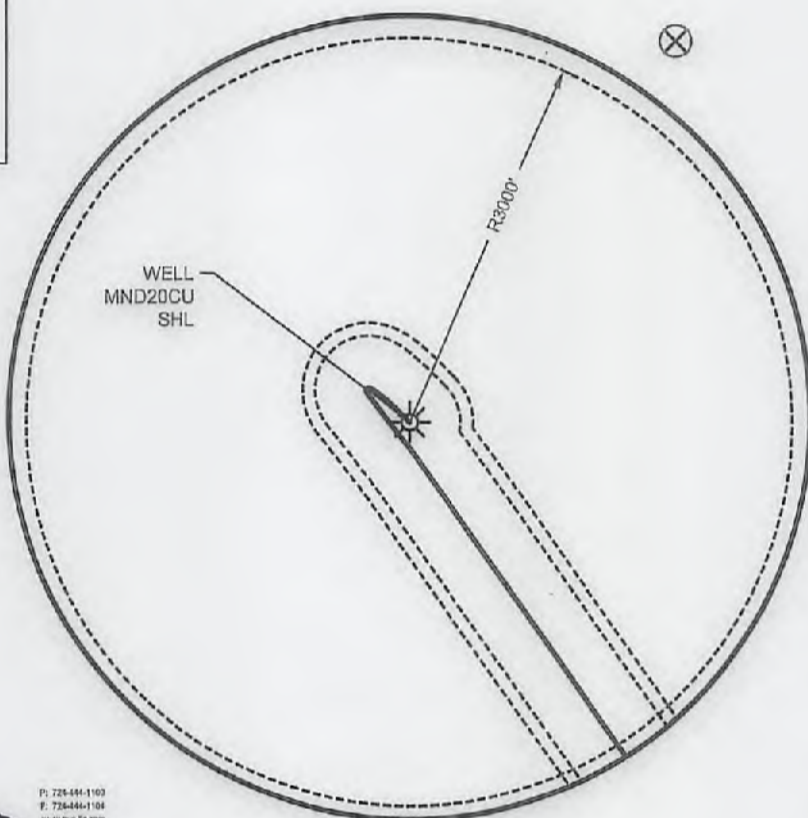
UTM 17 - NAD83(m)  
 N: 4411315.138  
 E: 516848.426  
 NAD27, WV NORTH  
 N: 494946.489  
 E: 1634115.623  
 LAT/LON DATUM-NAD83  
 LAT: 39.851891  
 LON: -80.803044

**APPROX. LANDING POINT**

UTM 17 - NAD83(m)  
 N: 4411250.878  
 E: 516849.423  
 NAD27, WV NORTH  
 N: 494735.565  
 E: 1634115.375  
 LAT/LON DATUM-NAD83  
 LAT: 39.851112  
 LON: -80.803034

**BOTTOM HOLE LOCATION**

UTM 17 - NAD83(m)  
 N: 4407257.054  
 E: 519756.641  
 NAD27, WV NORTH  
 N: 481470.248  
 E: 1643435.413  
 LAT/LON DATUM-NAD83  
 LAT: 39.815065  
 LON: -80.769170



DETAIL:  
 SCALE: 1"=1,500'

LEGEND	
⊠	TOPO MAP POINT
⊗	TOPO MAP BOTTOM HOLE

Waterford Corporate Park II, Suite 121  
 2000 Georgetown Circle  
 Sewickley, PA 15143

P: 724-441-1100  
 F: 724-441-1104  
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