

- 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 coded as 388 is also bounded by parcels coded as (from West to East): 393, 390, & 391.

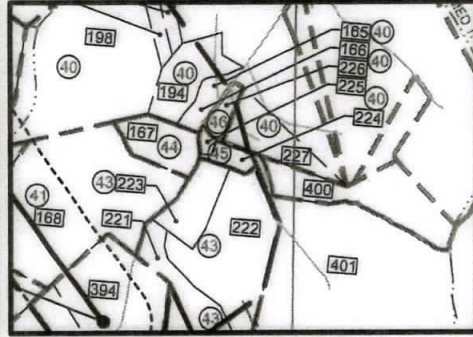
WATER WELLS:  
NONE FOUND

Waterfront Corporate Park III, Suite 101  
2000 Georgetown Drive  
Sewickley, PA 15143

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

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

DETAIL A = 1:2000



DETAIL B = 1:2000



**LEGEND**

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

FILE #: MND 20 EU - AS DRILLED

DRAWING #: MND 20 EU - AS DRILLED

SCALE: 1"=2000'

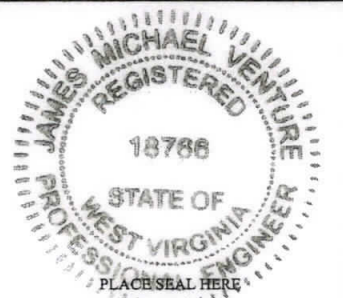
MINIMUM DEGREE OF ACCURACY: 1/2500

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:

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: MARCH 27, 2020

OPERATOR'S WELL #: MND 20 EU

API WELL # 47 051 02045  
STATE COUNTY PERMIT

ELEVATION: 1058'

QUADRANGLE: POWHATAN POINT, W. VA./OHIO

ACREAGE: 70.55

DESIGNATED AGENT: DIANE C. WHITE

Address: 5260 DUPONT ROAD

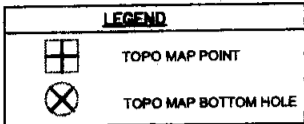
City PARKERSBURG State WV Zip Code 26101

Bottom Hole is located on topo map 4,508 feet south of Latitude: 39° 50' 00"

Well is located on topo map 8,467 feet south of Latitude: 39° 52' 30"

Bottom Hole is located on topo map 1,961 feet west of Longitude: 80° 45' 00"  
 Well is located on topo map 3,198 feet west of Longitude: 80° 47' 30"

**AS DRILLED**  
**SURFACE HOLE LOCATION (SHL)**  
 UTM 17 - NAD83  
 N: 4411324.4  
 E: 516847.5  
 NAD27, WV NORTH  
 N: 484878.9  
 E: 1834113.3  
 LAT/LON DATUM-NAD83  
 LAT: 39.851774  
 LON: -80.803054



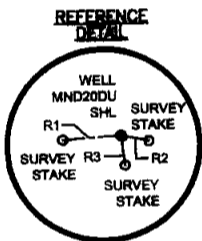
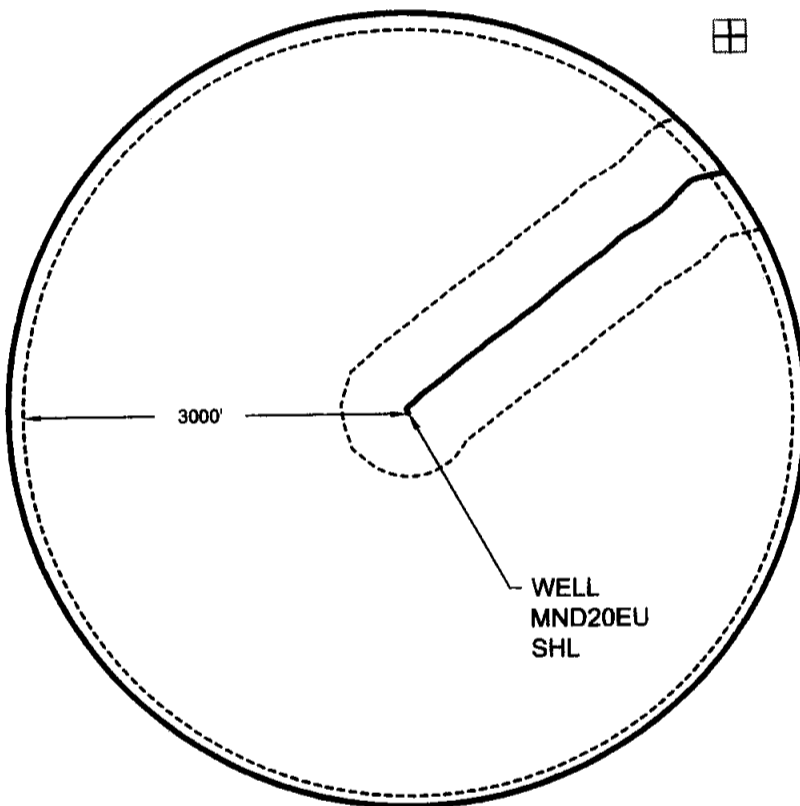
**APPROX. LANDING POINT**  
 UTM 17 - NAD83  
 N: 4411770.8  
 E: 517980.6  
 NAD27, WV NORTH  
 N: 488379.1  
 E: 1637855.8  
 LAT/LON DATUM-NAD83  
 LAT: 39.855772  
 LON: -80.788786

**BOTTOM HOLE LOCATION**  
 UTM 17 - NAD83  
 N: 4407911.9  
 E: 520795.6  
 NAD27, WV NORTH  
 N: 483582.2  
 E: 1648881.6  
 LAT/LON DATUM-NAD83  
 LAT: 39.820841  
 LON: -80.757010

**LINE TABLE**

LINE	BEARING	DISTANCE
R1	N88°59'24"E	301.99'
R2	N78°21'30"W	150.23'
R3	N07°38'13"W	158.51'
R4	N58°20'55"W	1789.12'
R5	N47°06'45"E	408.58'

**DETAIL:**  
 SCALE: 1"=1,500'  
 NO DEEP WELLS PRESENT



Waterford Corporate Park II, Suite 101  
 2000 Georgetown Drive  
 Dewsbury, PA 18103

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 F: 724-444-1104  
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FILE #: MND 20 EU - AS DRILLED

DRAWING #: MND 20 EU - AS DRILLED

SCALE: 1"=2000'

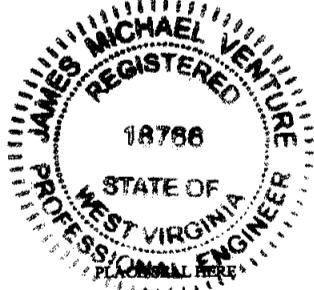
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 OF ELEVATION: H 138: 638.58'

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ACREAGE: 70.55

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ESTIMATED DEPTH: TVD: 11,100' TMD: 28,221 LATERAL: 15,692

DESIGNATED AGENT: DIANE C. WHITE

Address: 5260 DUPONT ROAD

City PARKERSBURG State WV Zip Code 26101

RAE MAC CORPORATION  
 CONSOLIDATION COAL COMPANY, ET AL.  
 CONSOLIDATION COAL COMPANY  
 EDISON A. BARLOW ET UX.  
 CONSOLIDATION COAL COMPANY, ET AL.  
 CONSOLIDATION COAL COMPANY, ET AL.  
 CONSOLIDATION COAL COMPANY, ET AL.  
 CONSOLIDATION COAL COMPANY  
 CONSOLIDATION COAL COMPANY,  
 MURRAY ENERGY C/O LAND DEPT.  
 CONSOLIDATION COAL COMPANY  
 CHURCH RALPH E. ET. UX.  
 CHURCH RALPH E. ET. UX.  
 SOUTHERN COUNTRY FARMS INC.  
 DOTTY, JAMES H., & MELANIE A.  
 DOTTY, JAMES H., & MELANIE A.  
 SOUTHERN COUNTRY FARMS INC.  
 ALLMAN KYLE MICHAEL  
 WEST, WAYNE L. JR. ET. UX.  
 WAYNE WEST L. JR. ET. UX.  
 CNX LAND RESOURCES  
 AEP GENERATION RESOURCES, INC.  
 AEP GENERATION RESOURCES, INC.  
 AEP GENERATION RESOURCES INC.  
 TEXAS EASTERN TRANSMISSION  
 FASOULETOS ANDREW M. ET. AL.  
 GRAY ROBERT WILLIAM - LIFE  
 CONSOLIDATION COAL COMPANY, ET AL.  
 TSCHAPPAT ROBERT E. SR. ET. UX.  
 TSCHAPPAT ROBERT E. SR. ET. UX.  
 AEP GENERATION RESOURCES, INC.  
 AEP GENERATION RESOURCES, INC.  
 CONSOLIDATION COAL COMPANY, ET AL.  
 HARTLEY PEGGY S.  
 POTTS JAMES D. ET. UX.  
 POTTS JAMES D. ET. UX.  
 POTTS JAMES D. ET. UX.  
 JASENEC RUDY ET. UX.  
 JASENEC RUDY ET. UX.  
 JASENEC RUDY ET. UX.  
 BARNHART THOMAS K. ET. UX.  
 CONSOLIDATION COAL COMPANY, ET AL.  
 WEST WAYNE JR. ET. UX.  
 TEXAS EASTERN TRANSMISSION  
 HOWE RUSSELL BLAINE ET. UX. - LIFE  
 AEP GENERATION RESOURCES INC.  
 SOUTHERN COUNTRY FARMS INC.

TAX MAP NO. 05-0002-0018-0000-0000  
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AEP GENERATION RESOURCES INC.  
 CONSOLIDATION COAL COMPANY  
 CONSOLIDATION COAL COMPANY  
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 CONSOLIDATION COAL COMPANY  
 STATE ROAD COMMISSION  
 WV DEPT. OF HIGHWAYS  
 MAIDENS PAUL J. & JULIE D.  
 CONSOLIDATION COAL COMPANY  
 STATE ROAD COMMISSION  
 WV DEPT. OF HIGHWAYS  
 MAIDENS PAUL J. & JULIE D.  
 CNX LAND RESOURCES INC.  
 CNX LAND RESOURCES INC.  
 CNX LAND RESOURCES INC.  
 OHIO POWER CO.  
 CONSOLIDATION COAL COMPANY  
 CONSOLIDATION COAL COMPANY  
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 CONSOLIDATION COAL COMPANY  
 CONSOLIDATION COAL COMPANY  
 CONSOLIDATION COAL COMPANY  
 JPM PROPERTIES LLC.  
 HOLSTINE BERNARD W. & ROXANN L.  
 HOLSTINE BERNARD W. & ROXANN L.  
 LEGG JAMES R. EST.  
 MCCLINTOCK PATRICIA A.  
 ANDERSON RHONDA MARIE  
 CONSOLIDATION COAL COMPANY  
 WV STATE ROUTE 2 (OWNERSHIP UNKNOWN)  
 STATE ROAD COMMISSION  
 CNX LAND RESOURCES INC.  
 CNX LAND RESOURCES INC.  
 OSTRANDER LINDA S.

TAX MAP NO. 05-0004-0002-0000-0000  
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LEGEND	
100	REFERENCE NUMBER FOR SURFACE PARCEL OWNERSHIP

FILE #: MND 20 EU - AS DRILLED

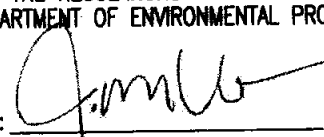
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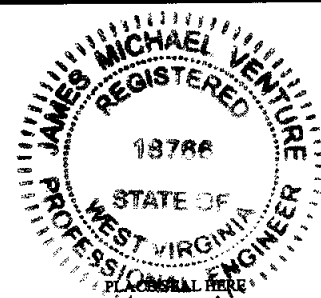
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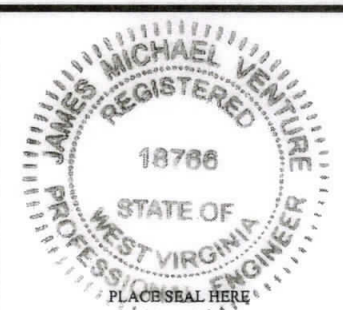
API WELL # 47 051 02045  
 STATE COUNTY PERMIT

HG Plat Number	MPID	Royalty Owner	Surface Ref Num.
1	05-0001-0003-0000-0000	Belinda Eddy fka Belinda Page Hoover, a married woman dealing in her sole and separate property	338
		Dara Marner and Douglas D. Marner, both individually and as wife and husband	
		Jessica McNabb fka Jessica Faye Hoover, a married woman dealing in her sole and separate property	
		Cheryl Sullivan, a single woman	
		George H. Wells and Nancy Eklund Wells, both individually and as husband and wife	
		William C.M. Wilson and Hiram C. Wilson, as Trustees of The Nancy L. Wilson Revocable Trust	
		Wayland W. Bowser, a married man dealing in his sole and separate property	
		Barbara G. Mathews, by Gay L. Mathews, Her Attorney in Fact	
		HG Energy, LLC	
2	05-0001-0009-0000-0000	Ruth Ann Ferris	337
	05-0001-0010-0000-0000	Larry F. Jefferson	336
		Noble Marcellus, LP	
		Anacapa Holdings, LLC	
		HG Energy, LLC	
3	05-0001-0002-0000-0000	HG Energy, LLC	339
4	05-0001-0002-0000-0000	HG Energy, LLC	339
	05-0001-0004-0000-0000		205
5	05-0001-0001-0000-0000	HG Energy, LLC	206
6	05-0001-0001-0003-0000	HG Energy, LLC	377
7	05-0001-0001-0002-0000	HG Energy, LLC	395
	04-0014-0001-0000-0000		397
	05-0001-0001-0002-0000		115
8	04-0007-0016-0000-0000	Niya J. Bell, widow	208
9	04-0007-0015-0000-0000	Niya J. Bell, widow	209
11	04-0007-0014-0000-0000	Paul J. Maidens, et ux	210
13	05-0001-0006-0000-0000	Susan Kay Flowers & Robert L. Flowers	128
		Carol Lynn Gill	
		William Gary & Nancy L. Messner	
		George Michael & Pamela S. Messner	
		Ethel Marie Malson	
		Martha Jane Brown	
12	04-0014-0003-0000-0000	HG Energy, LLC	116
13	05-0001-0006-0001-0000	Susan Kay Flowers & Robert L. Flowers	129
		Carol Lynn Gill	
		William Gary & Nancy L. Messner	
		George Michael & Pamela S. Messner	
		Ethel Marie Malson	
		Martha Jane Brown	
14	04-0014-0012-0000-0000	HG Energy, LLC	130
15	04-0014-0013-0000-0000	David C. White	131
16	04-0014-0014-0000-0000	HG Energy, LLC	132
17	04-0014-0004-0000-0000	Estate of Nellie Ramser Dowler, et al	117
		Paul M. Karnell, II, et ux	
		Robin Knowlton, single	
		Sandra Borkowski, single	
		Joyce Ann Donald, et vir	
		Dick Tracey, et ux	
		William H. Karnell, et ux	
		Jennifer L. Duymich, et vir	
		Tracy Clarke, et vir	
		Lee Patterson, et ux	
18	04-0014-0011-0000-0000, 04-0014-0005-0000-0000	HG Energy, LLC	375
19	04-0014-0006-0000-0000	Robert E. Tschappat SR	176
20	04-0014-0010-0000-0000	HG Energy, LLC	137
21	05-0002-0006-0000-0000	Robert W. Gray, Jr., et al	174
22	04-0014-0009-0000-0000	Consolidation Coal Company	138
23	05-0003A-0001-0000-0000	James R. Chaplin	143
	05-0002-0018-0000-0000		102

24	05-0002-0015-0000-0000	Ralph E. Church and wife, Nancy A. Church, Ralph E. Church II, Patricia Barnhart and Peggy Sue Sebulsky, f/k/a Peggy Sue Hartley	139
25	05-0002-0009-0000-0000	Andrew M. Fasouletos, et ux	173
		Michael Andrew Fasouletos	
		Tena Marie Sticklin	
26	05-0002-0010-0000-0000	James D. Potts and Nancy C. Potts	188
27	05-0002-0010-0002-0000	Jason M. Walters and Helena E. Walters and Theresa M. Gouldsberry	189
28	05-0002-0010-0001-0000	Jason M. Walters and Helena E. Walters and Theresa M. Gouldsberry	190
29	05-0002-0010-0003-0000	Jason M. Walters and Helena E. Walters and Theresa M. Gouldsberry	191
30	05-0002-0012-0000-0000	AEP Generation Resources Inc. and Kentucky Power Company	184
31	05-0002-00011-0000-0000	Wesbanco Bank, Trustee John T. Gallaher EST	186
		James D. Potts and Nancy C. Potts	
32	05-0002-0013-0000-0000	Texas Eastern Transmission, LP	172
33	05-0002-0013-0002-0000	Texas Eastern Transmission, LP	187
34	05-0002-00013-0003-0000	Arden Ray Heatherington	195
35	05-0002-0013-0004-0000	Peggy S. Hartley	185
36	05-0002-0013-0005-0000	AEP Generation Resources Inc. and Kentucky Power Company	171
37	05-0004-0001-0000-0000	AEP Generation Resources Inc. and Kentucky Power Company	170
38	05-0004-0002-0000-0000	AEP Generation Resources Inc. and Kentucky Power Company	197
39	05-0004-0015-0000-0000	AEP Generation Resources Inc. and Kentucky Power Company	169
40	05-0004-0003-0000-0000	Southern Country Farms, Inc.	198
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	05-0004-0003-0003-0000		166
	05-0004-0003-0013-0000		156
	05-0004-0003-0014-0000		227
	05-0004-0034-0000-0000		157
	05-0004-0025-0000-0000		159
	05-0004-0044-0000-0000		194
41	05-0004-0013-0000-0000	MCCLEINTOCK DALE ET UX	168
42	05-0004-0014-0000-0000	MILLER CHARLES W	388
	05-0004-0014-0001-0000	PARSONS PAUL ET UX	394
		RUSSELL SHARON LYN	
		HUFF TIMOTHY ET UX	
		ARNOLD LLOYD C ET UX	
		CRONIN MARY JO	
		KURPIL RICHARD ET UX	
		CLIFTON CLARA MAE	
		EDWARDS GEORGE ET UX	
		KYLE DONNA FAE	
		CONNOR JUDITH MAY	
		SCHIBELHOOD PAUL ET AL	
		SLOUGH ANITA L ET AL	
43	05-0004-0010-0000-0000	James D. Dimitro	221
	05-0004-0011-0001-0000		222
	05-0004-0012-0000-0000		223
44	05-0004-0013-0001-0000	WEST WAYNE L JR ET UX	167
45	05-0004-0011-0000-0000	Michael L. & Shar J. Mason	225
	05-0004-0011-0002-0000		224
46	05-0004-0003-0002-0000	BLAKE LOYE ALFRED	226

FILE #: MND 20 EU - AS DRILLED  
DRAWING #: MND 20 EU - AS DRILLED  
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  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: 11,100' TMD: 28,221 LATERAL: 15,692  
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