

Bottom Hole is located on topo map 6,656 feet south of Latitude: 39° 50' 00"

Well is located on topo map 8,497 feet south of Latitude: 39° 52' 30"

AS DRILLED

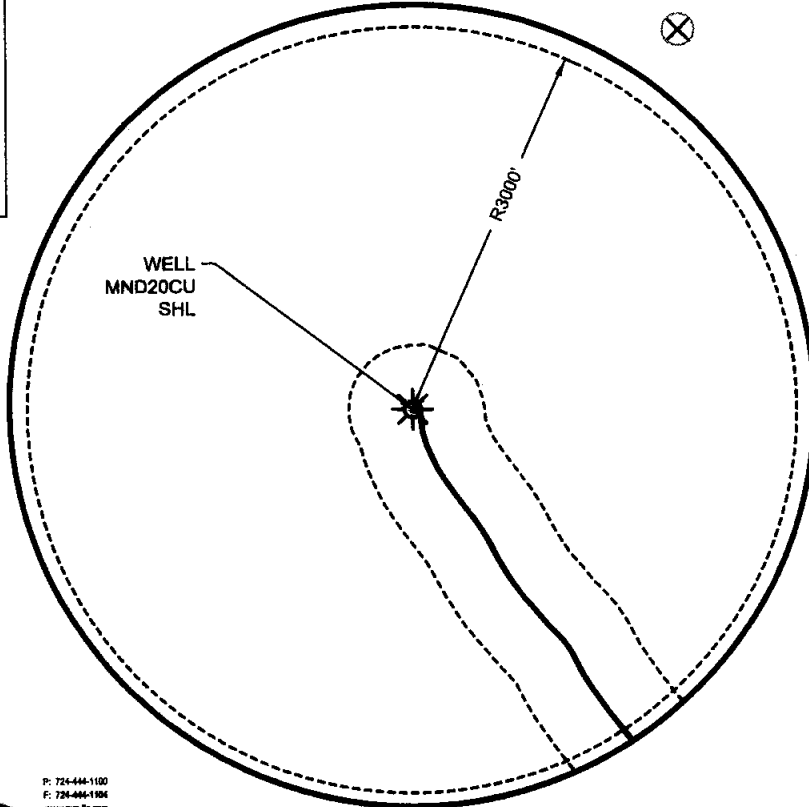
SURFACE HOLE LOCATION (SHL)
UTM 17 - NAD83(m)
N: 4411315.2
E: 516648.4
NAD27, WV NORTH
N: 484048.8
E: 1834115.6
LAT/LON DATUM - NAD83
LAT: 39.851691
LON: -80.683044

APPROX. LANDING POINT

UTM 17 - NAD83(m)
N: 4411014.3
E: 517025.4
NAD27, WV NORTH
N: 483949.6
E: 1834679.9
LAT/LON DATUM - NAD83
LAT: 39.846877
LON: -80.680883

BOTTOM HOLE LOCATION

UTM 17 - NAD83(m)
N: 4407225.3
E: 519753.4
NAD27, WV NORTH
N: 481484.7
E: 1843425.7
LAT/LON DATUM - NAD83
LAT: 39.815049
LON: -80.789208



DETAIL:
SCALE: 1"=1,500'

Bottom Hole is located on topo map 5,366 feet west of Longitude: 80° 45' 00"
Well is located on topo map 3,195 feet west of Longitude: 80° 47' 30"

Headstart Corporate Park III, Suite 101
2093 Georgetown Drive
Dunkley, PA 15110
P: 724-444-1100
F: 724-444-1104
www.pve-ll.com



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

LEGEND	
	TOPO MAP POINT
	TOPO MAP BOTTOM HOLE

FILE #: MND 20 CU - AS DRILLED

DRAWING #: MND 20 CU - AS DRILLED

SCALE: 1"=2000'

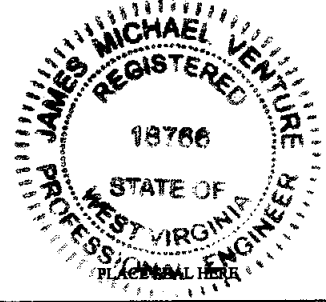
MINIMUM DEGREE OF ACCURACY: 1/2500

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:

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

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 CU

API WELL # 47 051 02013
STATE COUNTY PERMIT

PAGE: 2 OF 4

ELEVATION: 1058'

QUADRANGLE: POWHATAN POINT, W. VA./OHIO

ACREAGE: 70.55

ACREAGE: 70.55

ESTIMATED DEPTH: TVD: 11,058' TMD: 26,656 LATERAL: 15,264

DESIGNATED AGENT: DIANE C. WHITE

Address: 5260 DUPONT ROAD

City PARKERSBURG State WV Zip Code 26101

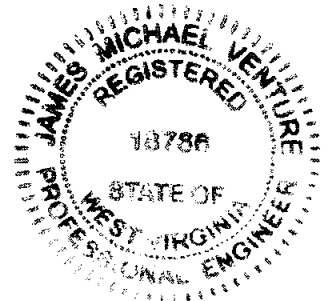
①	05-0001-0009-0000-0000	Blaine Eddy the Belknap Hoge Hoover, a married woman dealing in her sole and separate property	338
		Dara Marnar and Douglas D. Marnar, both individually and as wife and husband	
		Jessica McInabb the Jessica Faye Hoover, a married woman dealing in her sole and separate property	
		Cheryl Sullivan, a single woman	
		George H. Wells and Nancy Eldund 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	05-0001-0002-0001-0000	HG Energy, LLC	340
③	05-0001-0010-0000-0000	Ruth Ann Ferris	336
		Larry F. Jefferson	
		Noble Marcellus, LP	
		Anacapa Holdings, LLC	
		HG Energy, LLC	
④	05-0001-0011-0000-0000	HG Energy, LLC	373
⑤	05-0001-0012-0000-0000	Susan Witten Neal Meyers AKA Susan Neal (Held Meyers, individually, and as Susan N. Meyers, Trustee of the Susan N. Meyers Revocable Trust	335
	05-0001-0015-0000-0000	Mary Witten Neal Wiseman FKA Mary Witten Neal	
		Mary Witten Hart Ehlers	
		Margery J. Witten	
		Joseph Moore Neal	
		Jane Witten Voth	
		Frances Gale Neal	
		Dorothy Ann Neal by her POA Jerry L. Berthold	
		Donald R. Hart Jr.	
		Cathy Hart Price	
		Ann Alexander	
		Jane R. Peterselm AKA Jane Peterselm	
		HG Energy, LLC	
⑥	05-0002-0003-0000-0000	HG Energy, LLC	334
⑦	05-0002-0002-0000-0000	HG Energy, LLC	315
	05-0006-0003-0000-0000		
⑧	05-0006-0003-0000-0000	HG Energy, LLC	300
	05-0005-0001-0000-0000		317
⑨	05-0005-0002-0000-0000	Margaret Games	318
		Elizabeth Patterson	
		Charles J. Wiesner	
		John Wiesner	
		Kenneth Schmitt	
		Mary Ellen Sedon	
		Alfred Kaczorowski, Jr., & Sharon M. Kaczorowski, his wife	
⑩	05-0006-0003-0000-0000	HG Energy, LLC	300
⑪	05-0005-0009-0001-0000	HG Energy, LLC	329
⑫	05-0005-0003-0000-0000	AEP Generation Resources Inc. and Kentucky Power Company	319
⑬	05-0005-0006-0001-0000	AEP Generation Resources Inc. and Kentucky Power Company	324
⑭	05-0005-0007-0000-0000	AEP Generation Resources Inc. and Kentucky Power Company	325
⑮	05-0005-0003-0001-0000	AEP Generation Resources Inc. and Kentucky Power Company	323
⑯	05-0005-0004-0000-0000	Barbara Kay Ewing and Wilber E. Ewing	320
		Charles Howard Bassett Jr and Ruby D. Bassett	
		Cynthia P. Hopkins, as Trustee of the Cynthia P. Hopkins Revocable Trust	
		Elizabeth A. Strausbaugh and James R. Strausbaugh	
		Janet and John Blankenship	
		Jean C. Thomas	
		Mary E. Bassett	
		Robert B. and Violet Thomas	

		Roger B. and Inian P. Rose	
		Ruth Ann and Furman F. Wallace	
		Ruth E. Bassett Meadows and O.W. Meadows Jr	
		Geneva Bassett Sanchez	
		JAMES E ROBBINS ET UX	322
⑰	05-0005-0005-0000-0000		
⑱	05-0005-0006-0000-0000	AEP Generation Resources Inc. and Kentucky Power Company	321
⑲	05-0008-0005-0000-0000	Richard J. Getts	331
⑳	05-0008-0006-0000-0000	Richard J. Getts	333
㉑	05-0005-0012-0000-0000	AEP Generation Resources Inc. and Kentucky Power Company	182
㉒	05-0004-0016-0000-0000	Terry Holman	384
㉓	05-0004-0017-0000-0000	Terry Holman	387
㉔	No Tract ID #	WV Division of Natural Resources	380
㉕	05-0004-0014-0000-0000	MILLER CHARLES W	388
		PARSONS PAUL ET UX	
		RUSSELL SHARON LYN	
		HUFF TIMOTHY ET UX	
		ARNOLD LLOYD C ET UX	
		CRONIN MARY JD	
		KURPIL RICHARD ET UX	
		CLIFTON CLARA MAE	
		EDWARDS GEDRGE ET UX	
		KYLE DONNA FAE	
		CONNOR JUDITH MAY	
		SCHIBELHOOD PAUL ET AL	
		SLOUGH ANITA L ET AL	
㉖	05-0009-0001-0000-0000	Jessi Gladys Ruckman Et Al	392
	05-0009-0001-0001-0000		362
	05-0009-0001-0002-0000		385
	05-0009-0001-0003-0000		382
	05-0009-0001-0004-0000		363
㉗	05-0004-0018-0000-0000	William L. Maxwell JR	383
㉘	05-0004-0019-0000-0000	William L. Maxwell JR	386

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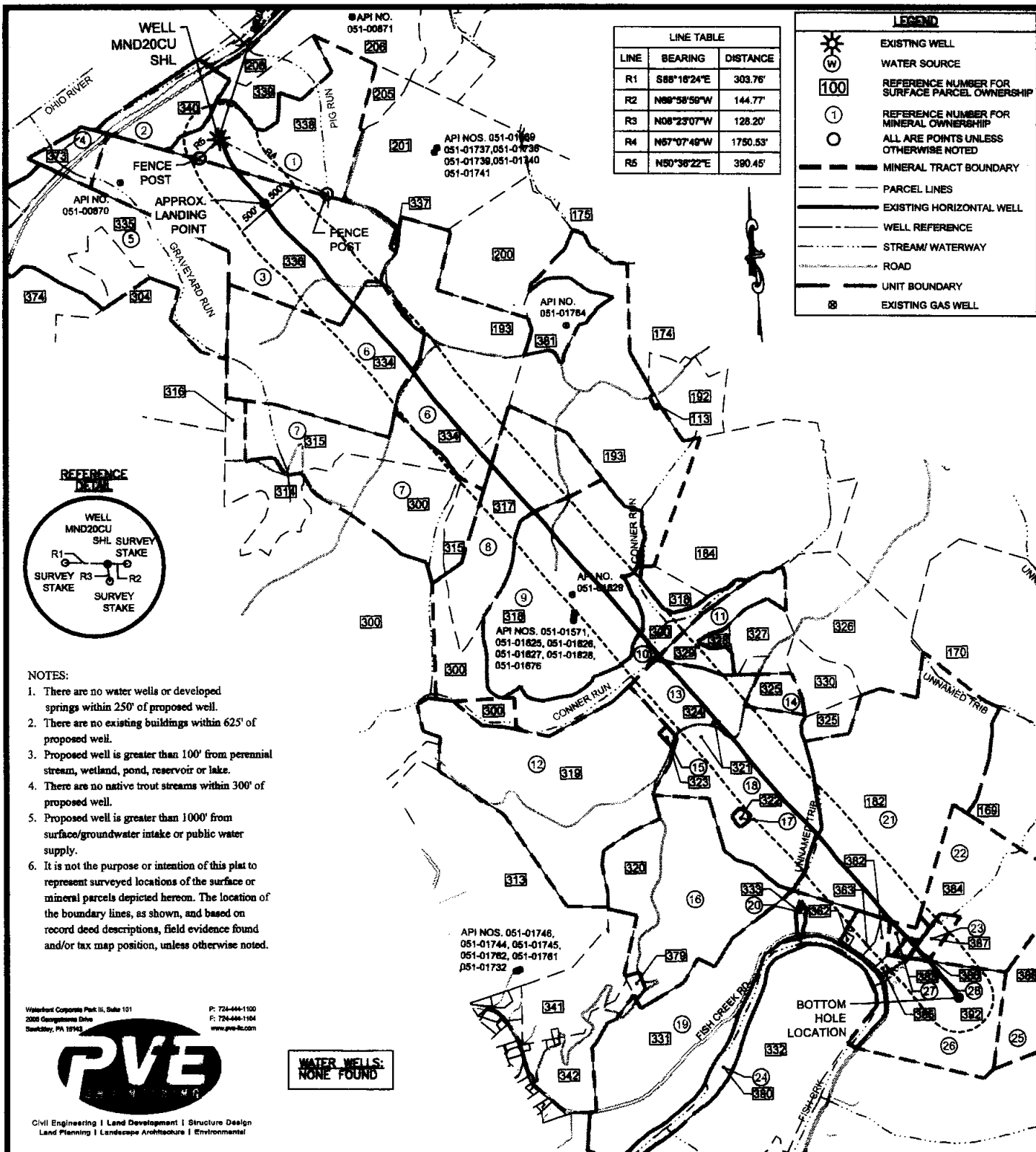


DATE: MARCH 27, 2020
OPERATOR'S WELL #: MND 20 CU
API WELL # 47 051 02013
STATE COUNTY PERMIT

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

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TARGET FORMATION: POINT PLEASANT ESTIMATED DEPTH: TVD: 11,058' TMD: 26,656 LATERAL: 15,264
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



Waterfront Corporate Park II, Suite 101
 2500 Georgetown Drive
 Steelton, PA 17095

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 F: 724-444-1104
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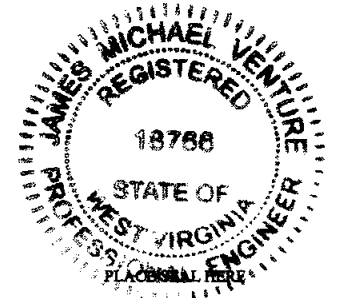
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PAGE: 1 OF 4