

SURFACE HOLE LOCATION (SH)

UTM 17 - NAD83
 N: 4411129.939
 E: 519307.448
 NAD27, WV NORTH
 N: 494203.771
 E: 1642174.588
 LAT/LON DATUM-NAD83
 LAT: 39.849970
 LON: -80.774304

APPROX. LANDING POINT

UTM 17 - NAD83
 N: 4411511.951
 E: 519695.275
 NAD27, WV NORTH
 N: 495456.051
 E: 1643468.143
 LAT/LON DATUM-NAD83
 LAT: 39.853403
 LON: -80.769759

LINE TABLE

LINE	BEARING	DISTANCE
R1	S62° 33' 23"E	138.90'
R2	N40° 19' 49"E	282.22'
R3	N49° 50' 57"W	234.52'
R4	N14° 34' 57"W	830.05'
R6	S70° 30' 11"E	2195.01'

BOTTOM HOLE LOCATION

UTM 17 - NAD83
 N: 4413355.47
 E: 518357.924
 NAD27, WV NORTH
 N: 501558.983
 E: 1639180.719
 LAT/LON DATUM-NAD83
 LAT: 39.870043
 LON: -80.765341

- 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.
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LEGEND

- * WELL
- ⊙ WATER SOURCE
- ① LEASED NUMBER
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- MINERAL TRACT BOUNDARY
- PARCEL LINES
- PROPOSED HORIZONTAL WELL
- WELL REFERENCE
- STREAM/WATERWAY
- ROAD

WELLS WITHIN 3000'

- ⊙ PLUGGED WELL

WATER WELLS:
NONE FOUND

Waterfront Corporate Park II, Suite 101
 2000 Campground Drive
 Greentree, PA 15110

P 724-884-1100
 F 724-884-1104
 www.pve-llc.com

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

FILE #: MND 1 BHS

DRAWING #: MND 1 BHS

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.: _____ 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: OHIO RIVER ELEVATION: 1150.00'

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

SURFACE OWNER: MURRAY ENERGY CORPORATION ACREAGE: 128.99

OIL & GAS ROYALTY OWNER: CNX GAS COMPANY, LLC, ET AL. ACREAGE: 128.99

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: MARCELLUS ESTIMATED DEPTH: TVD: 6,175' ± TMD: 14,567'±

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 26101

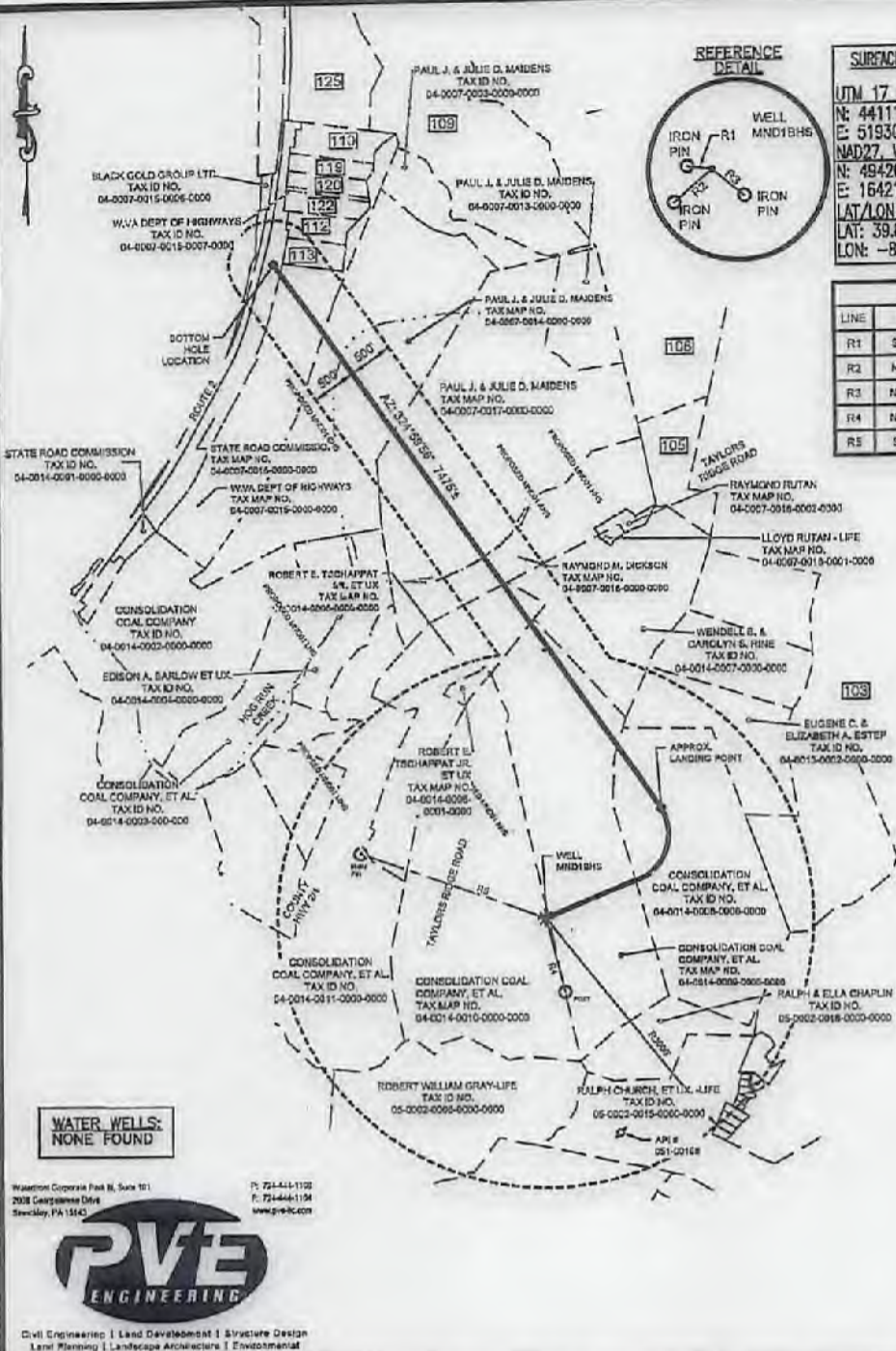


DATE: SEPTEMBER 11, 2018

OPERATOR'S WELL #: MND 1 BHS

API WELL # 47 051 01768 WD
 STATE COUNTY PERMIT

10/08/2021



Washington Corporate Park B, Suite 101
2018 Georgetown Drive
Sewley, PA 1540

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



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NAD27, WV NORTH
N: 495436.051
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LAT/LON DATUM - NAD83
LAT: 39.853403
LON: -80.769759

LINE TABLE

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R2	N49° 19' 49" E	282.22'
R3	N49° 50' 57" W	234.52'
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R5	S70° 30' 11" E	2126.81'

BOTTOM HOLE LOCATION

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E: 518357.924
NAD27, WV NORTH
N: 501558.983
E: 1639180.719
LAT/LON DATUM - NAD83
LAT: 39.870043
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- ⊙ LEASED NUMBER
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- PARCEL LINES
- PROPOSED HORIZONTAL WELL
- WELL REFERENCE
- STREAM/WATERWAY
- ROAD

WELLS WITHIN 3000'

- ⊙ PLUGGED WELL

FILE #: MND 1 BHS

DRAWING #: MND 1 BHS

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SIGNED: [Signature]

R.P.E.: _____ 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: OHIO RIVER ELEVATION: 1150.00'

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

SURFACE OWNER: MURRAY ENERGY CORPORATION ACREAGE: 126.99

OIL & GAS ROYALTY OWNER: CNX GAS COMPANY, LLC, ET AL. ACREAGE: 126.99

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: MARCELLUS

WELL OPERATOR: HG ENERGY II APPALACHIA, LLC

Address: 5260 DUPONT ROAD

City PARKERSBURG State WV Zip Code 26101

DATE: SEPTEMBER 11, 2018

OPERATOR'S WELL #: MND 1 BHS

API WELL # 47 051 01768 WD

STATE COUNTY PERMIT

ESTIMATED DEPTH: TVD: 6,175' ± TMD: 14,567' ±

DESIGNATED AGENT: DIANE C. WHITE

Address: 5260 DUPONT ROAD

City PARKERSBURG State WV Zip Code 26101

SHEET: 1 OF 3

10/08/2021

Bottom hole is located on topo map 1,803 feet south of Latitude: 39° 52' 30"

Well is located on topo map 9,118 feet south of Latitude: 39° 52' 30"

Bottom hole is located on topo map 9,919 feet west of Longitude: 80° 45' 00"
Well is located on topo map 6,823 feet west of Longitude: 80° 45' 00"



103	DANAHEY SHAWN T & KELLY J	TAX MAP NO. 04-0013-0004-0000-0000
105	PETRUCCI CATHY J & CARL F JR	TAX MAP NO. 04-0007-0019-0000-0000
106	PETRUCCI CATHY J & CARL F JR	TAX MAP NO. 04-0007-0012-0000-0000
109	PETRUCCI CATHY J & CARL F JR	TAX MAP NO. 04-0007-0005-0001-0000
110	WV DEPT OF HIGHWAYS	TAX MAP NO. 04-0007-0015-0008-0000
112	WV DEPT OF HIGHWAYS	TAX MAP NO. 04-0007-0015-0002-0000
113	WV DEPT OF HIGHWAYS	TAX MAP NO. 04-0007-0015-0003-0000
119	WV DEPT OF HIGHWAYS	TAX MAP NO. 04-0007-0015-0005-0000
120	WV DEPT OF HIGHWAYS	TAX MAP NO. 04-0007-0015-0001-0000
122	WV DEPT OF HIGHWAYS	TAX MAP NO. 04-0007-0015-0010-0000
125	WILSON JOHN T. JR.	TAX MAP NO. 04-0006-0007-0000-0000

LEGEND

- BOTTOM HOLE LOCATION
- TOP HOLE LOCATION
- WELL
- WATER SOURCE
- LEASED NUMBER
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1	HG ENERGY II APPALACHIA, LLC	TAX MAP NO. 04-14, PARCEL 10
2	HG ENERGY II APPALACHIA, LLC	TAX MAP NO. 04-14, PARCEL 09
3	HG ENERGY II APPALACHIA, LLC	TAX MAP NO. 04-14, PARCEL 08
4	ROBERT E. TSCHAPPAT JR. ET UX	TAX MAP NO. 04-14, PARCEL 05.1
5	ROBERT E. TSCHAPPAT SR. ET UX	TAX MAP NO. 04-14, PARCEL 06
6	WENDELL B. & GARDLYN S. RINE	TAX MAP NO. 04-14, PARCEL 07
7	MOUNTAINEER NATURAL GAS CO.	TAX MAP NO. 04-07, PARCEL 18
8	PAUL J. MAIDENS ET UX	TAX MAP NO. 04-07, PARCEL 17
9	PAUL J. MAIDENS ET UX	TAX MAP NO. 04-07, PARCEL 14
10	NYLA J. BELL	TAX MAP NO. 04-07, PARCEL 15
11	NYLA J. BELL	TAX MAP NO. 04-07, PARCEL 16
12	NYLA J. BELL	TAX MAP NO. 04-07, PARCEL 15-03
13	RITA A. BERRY	TAX MAP NO. 04-07, PARCEL 15-02

Wadeford Corporate Park Dr, Suite 101
2900 Georgetown Drive
Sewistey, VA 24152



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

FILE #: MND 1 BHS
 DRAWING #: MND 1 BHS
 SCALE: 1"=2000'
 MINIMUM DEGREE OF ACCURACY: 1/2500
 PROVEN SOURCE: U.S.G.S. MONUMENT
 OF ELEVATION: H 138: 638.68'

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.

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OFFICE OF OIL & GAS
601 57TH STREET
CHARLESTON, WV 25304



DATE: SEPTEMBER 11, 2018
 OPERATOR'S WELL #: MND 1 BHS
 API WELL # 47 051 07168WD
 STATE COUNTY PERMIT

Well Type: Oil Waste Disposal Production Deep
 Gas Liquid Injection Storage Shallow

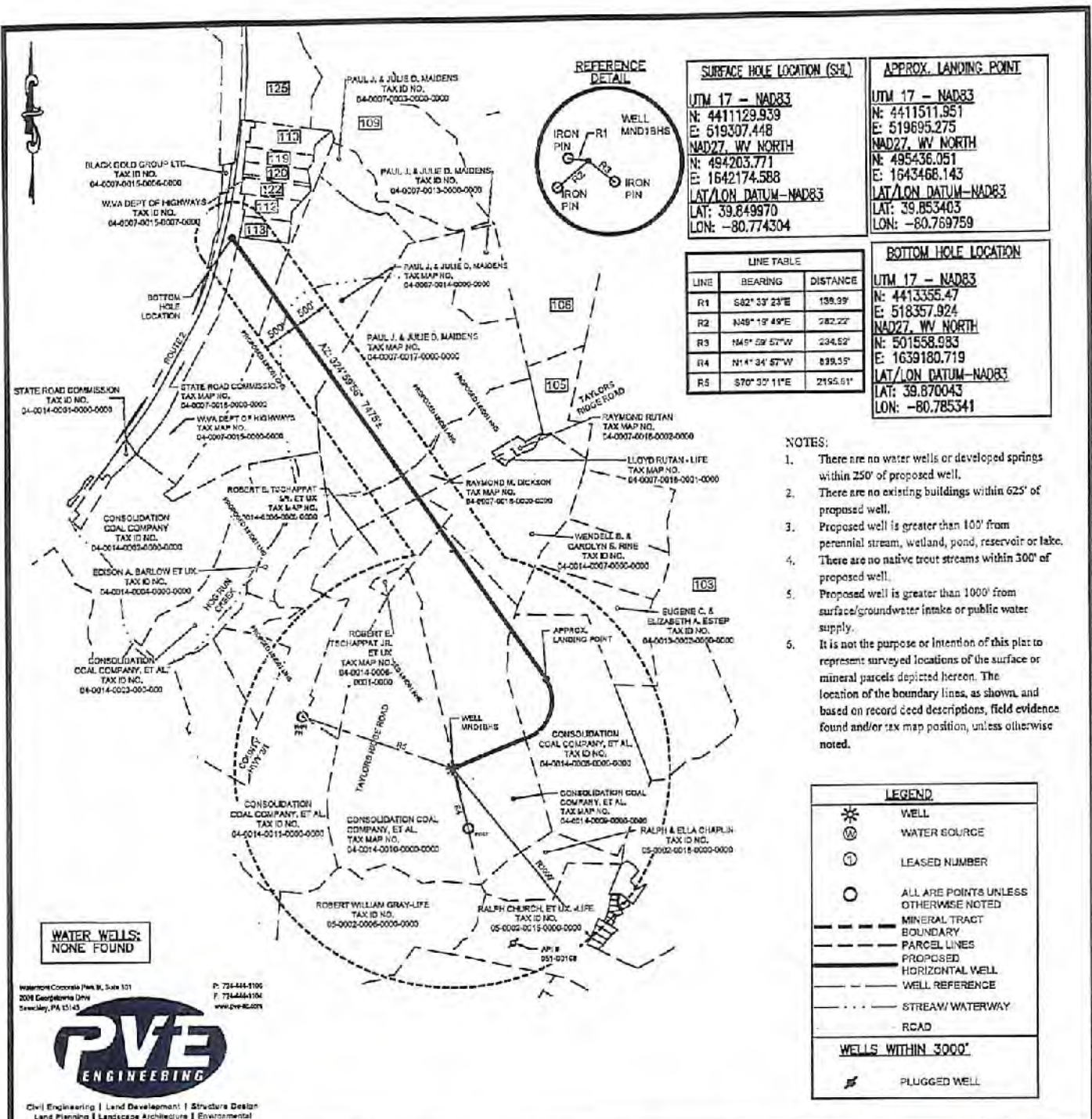
SHEET: 3 OF 3

WATERSHED: OHIO RIVER ELEVATION: 1150.00'
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 SURFACE OWNER: MURRAY ENERGY CORPORATION ACREAGE: 126.99
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10/08/2021

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 CLEAN OUT & REPLUG OTHER CHANGE (SPECIFY)

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 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



SURFACE HOLE LOCATION (S#1)		APPROX. LANDING POINT	
UTM 17 - NAD83			
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LAT/LON DATUM-NAD83			
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BOTTOM HOLE LOCATION	
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N:	501558.983
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- NOTES:
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	WELL
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	LEASED NUMBER
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	MINERAL TRACT BOUNDARY
	PARCEL LINES
	PROPOSED HORIZONTAL WELL
	WELL REFERENCE
	STREAM/WATERWAY
	ROAD
	WELLS WITHIN 3000'
	PLUGGED WELL

FILE #: MND 1 BHS
 DRAWING #: MND 1 BHS
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DATE: SEPTEMBER 11, 2018

OPERATOR'S WELL #: MND 1 BHS

API WELL # 47 051 01768 WP
 STATE COUNTY PERMIT

Well Type: Oil Waste Disposal Production Deep
 Gas Liquid Injection Storage Shallow SHEET: 1 OF 3

WATERSHED: OHIO RIVER ELEVATION: 1150.00'
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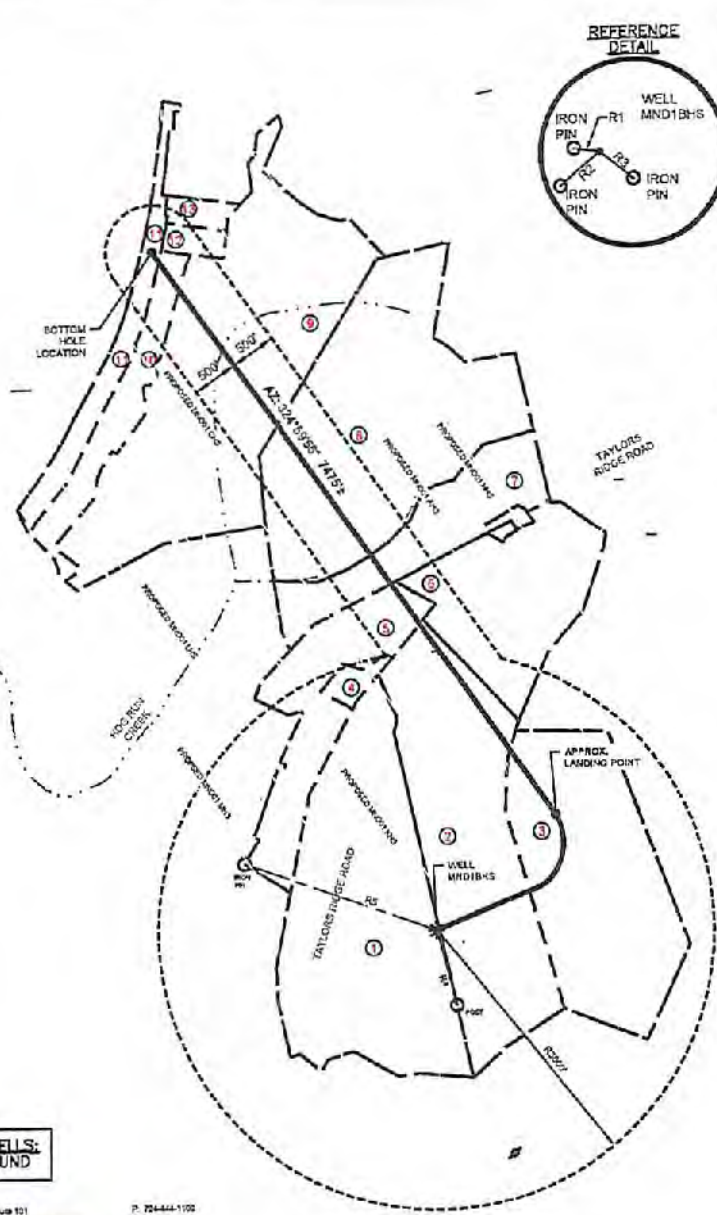
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 Address: 5250 DUPONT ROAD Address: 5250 DUPONT ROAD
 City PARKERSBURG State WV Zip Code 26101 City PARKERSBURG State WV Zip Code 26101

10/08/2021

Water Wells: NONE FOUND

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



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	PLUGGED WELL

WATER WELLS:
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Waterford Corporate Park II, Suite 101
3002 Georgetown Drive
Martinsburg, PA 15465



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API WELL # 47 051 01768
STATE COUNTY PERMIT

10/08/2021

SHEET: 2 OF 3

Bottom hole is located on topo map 1,803 feet south of Latitude: 39° 52' 30"

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120	WV DEPT OF HIGHWAYS	TAX MAP NO. 04-0007-0015-0001-0000
122	WV DEPT OF HIGHWAYS	TAX MAP NO. 04-0007-0015-0010-0000
124	WILSON JOHN T. JR.	TAX MAP NO. 04-0008-0007-0000-0000

LEGEND	
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	TOP HOLE LOCATION
	WELL
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	ALL ARE POINTS UNLESS OTHERWISE NOTED
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	PARCEL LINES
	PROPOSED
	HORIZONTAL WELL
	WELL REFERENCE
	STREAM/WATERWAY
	ROAD

①	HG ENERGY II APPALACHIA, LLC	TAX MAP NO. 04-14, PARCEL 10
②	HG ENERGY II APPALACHIA, LLC	TAX MAP NO. 04-14, PARCEL 09
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⑤	ROBERT E. TSCHAPPAT SR, ET UX	TAX MAP NO. 04-14, PARCEL 06
⑥	WENDELL B. & CAROLYN S. RINE	TAX MAP NO. 04-14, PARCEL 07
⑦	MOUNTAINEER NATURAL GAS CO.	TAX MAP NO. 04-07, PARCEL 18
⑧	PAUL J. MAIDENS ET UX	TAX MAP NO. 04-07, PARCEL 17
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⑪	NYLA J. BELL	TAX MAP NO. 04-07, PARCEL 10
⑫	NYLA J. BELL	TAX MAP NO. 04-07, PARCEL 15-03
⑬	RITA A. BERRY	TAX MAP NO. 04-07, PARCEL 15-02

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2006 Georgetown Drive
Sewersville, PA 15140

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Land Planning | Landscape Architecture | Environmental

FILE #: MND 1 BHS
DRAWING #: MND 1 BHS
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.: _____ 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



DATE: SEPTEMBER 11, 2018
OPERATOR'S WELL #: MND 1 BHS
API WELL # 47 051 01768
STATE COUNTY PERMIT

Well Type: Oil Waste Disposal Production Deep
 Gas Liquid Injection Storage Shallow

SHEET: 3 OF 3

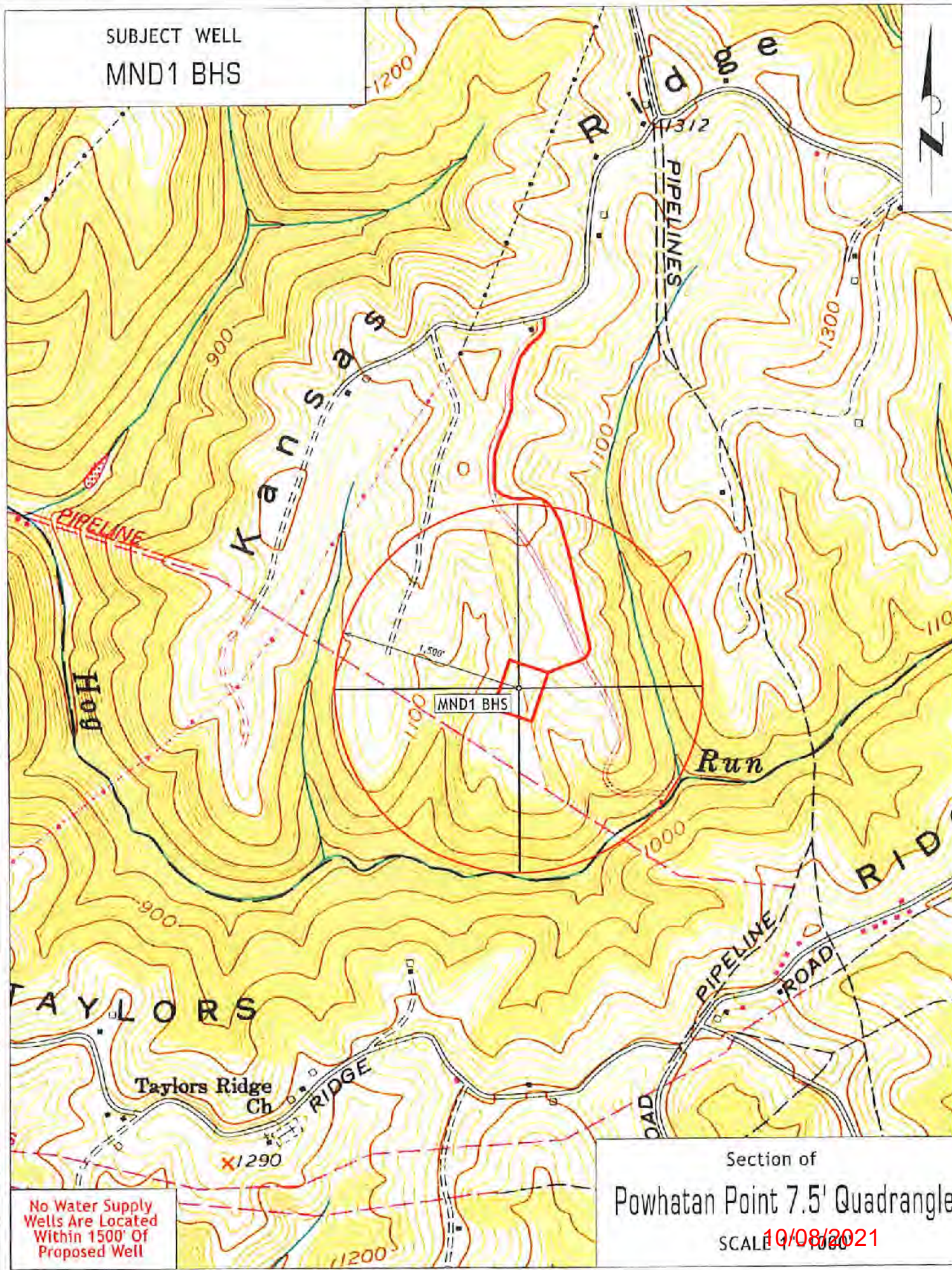
WATERSHED: OHIO RIVER ELEVATION: 1150.00'
COUNTY/DISTRICT: MARSHALL / CLAY QUADRANGLE: POWHATAN POINT, W. VA/OHIO
SURFACE OWNER: MURRAY ENERGY CORPORATION ACREAGE: 126.99
OIL & GAS ROYALTY OWNER: CNX GAS COMPANY, LLC, ET AL. ACREAGE: 126.99

10/08/2021

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: MARCELLUS ESTIMATED DEPTH: TVD: 6,175' ± TMD: 14,567' ±
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

SUBJECT WELL
MND1 BHS



No Water Supply
Wells Are Located
Within 1500' Of
Proposed Well

Section of
Powhatan Point 7.5' Quadrangle

SCALE 1" = 1000'
10/08/2021