

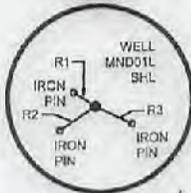
SURFACE HOLE LOCATION (SHL)

UTM 17 - NAD83
 N: 4411112.721
 E: 519301.332
 NAD27, WV NORTH
 N: 494147.604
 E: 1642153.576
 LAT/LON DATUM-NAD83
 LAT: 39.849815
 LON: -80.774376

APPROX. LANDING POINT

UTM 17 - NAD83
 N: 4411036.716
 E: 518910.314
 NAD27, WV NORTH
 N: 493919.660
 E: 1640866.311
 LAT/LON DATUM-NAD83
 LAT: 39.849139
 LON: -80.778949

REFERENCE DETAIL



LINE	BEARING	DISTANCE
R1	S57°43'28"E	139.27'
R2	N56°30'13"E	231.49'
R3	N84°45'46"W	221.84'
R4	S65°47'13"E	2197.31'
R5	N17°04'44"W	791.20'

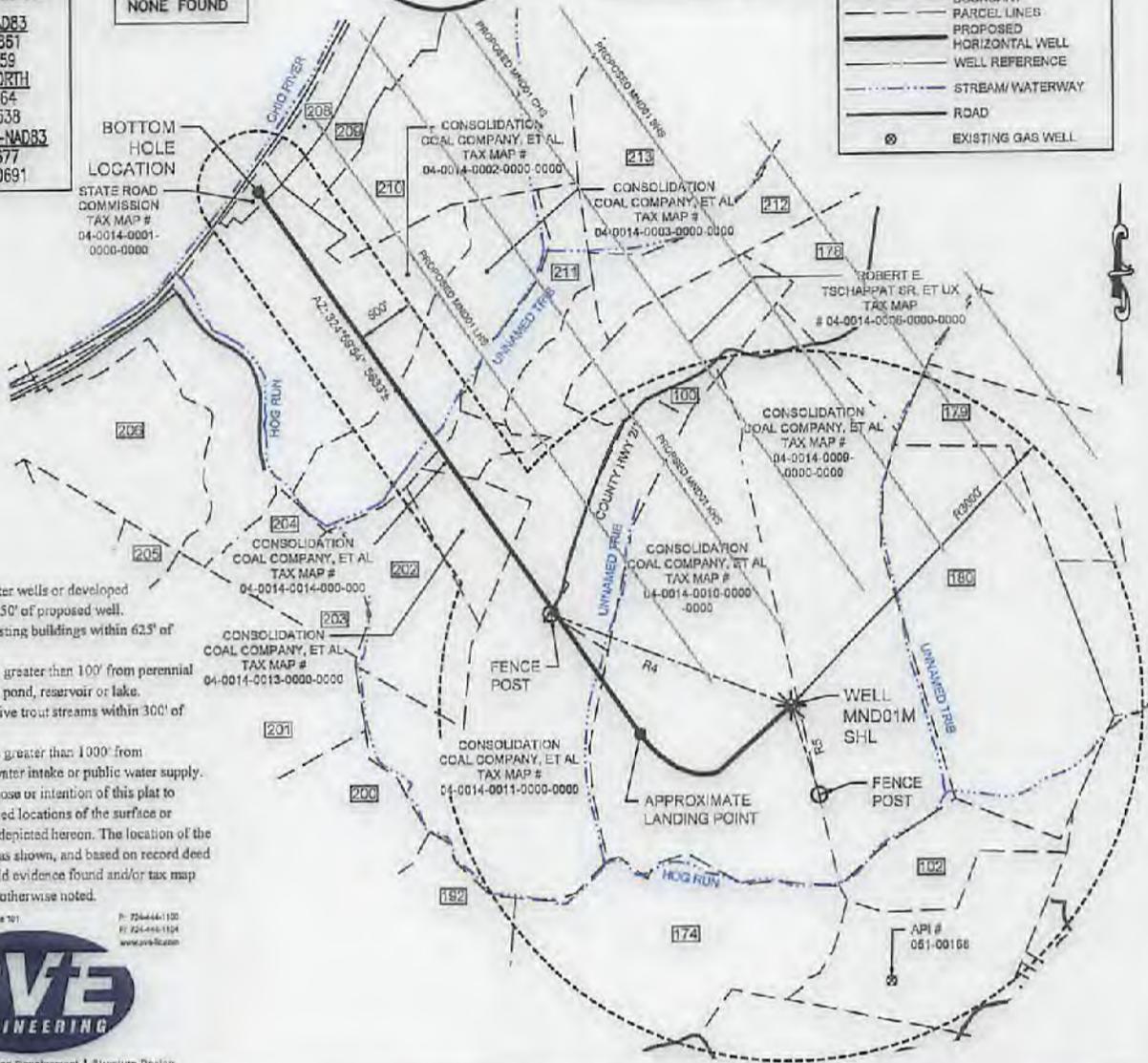
LEGEND

- ☀ PROPOSED WELL
- ⊙ WATER SOURCE
- ① LEASED NUMBER
- ALL ARE POINTS UNLESS OTHERWISE NOTED
- ▬ MINERAL TRACT BOUNDARY
- ▬ PARCEL LINES
- ▬ PROPOSED HORIZONTAL WELL
- ▬ WELL REFERENCE
- ▬ STREAM/WATERWAY
- ▬ ROAD
- ⊙ EXISTING GAS WELL

BOTTOM HOLE LOCATION

UTM 17 - NAD83
 N: 4412425.861
 E: 517902.559
 NAD27, WV NORTH
 N: 498633.464
 E: 1637635.538
 LAT/LON DATUM-NAD83
 LAT: 39.861677
 LON: -80.790691

WATER WELLS:
 NONE FOUND



NOTES:

1. There are no water wells or developed springs within 250' of proposed well.
2. There are no existing buildings within 62.5' 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.

Waterfall Corporate Park II, Suite 101
 2600 Georgetown Drive
 Shenandoah, VA 25162

PVE ENGINEERING

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

FILE #: MND 01 MHS
 DRAWING #: MND 01 MHS
 SCALE: 1"=1500'
 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.: 19766 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 10, 2018
 OPERATOR'S WELL #: MND 01 MHS
 API WELL # 47 051 01839 H6A
 STATE COUNTY PERMIT

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

WATERSHED: SHORT CREEK-OHIO RIVER ELEVATION: 1150.00'
 COUNTY/DISTRICT: MARSHALL / CLAY QUADRANGLE: POWHATAN POINT, W. VA./OHIO
 SURFACE OWNER: MURRAY ENERGY 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 ESTIMATED DEPTH: TVD: 6,175' ± TMD: 12,374' ±
 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

11/05/2021

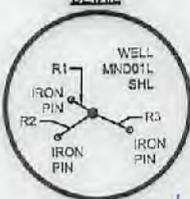
SURFACE HOLE LOCATION (SHL)

UTM 17 - NAD83
 N: 4411172.721
 E: 519301.332
 NAD27, WY NORTH
 N: 494147.604
 E: 1842153.576
 LAT/LON DATUM-NAD83
 LAT: 39.849615
 LON: -80.774376

APPROX. LANDING POINT

UTM 17 - NAD83
 N: 4411036.716
 E: 518910.314
 NAD27, WY NORTH
 N: 493919.860
 E: 1840886.311
 LAT/LON DATUM-NAD83
 LAT: 39.849139
 LON: -80.778949

REFERENCE DETAIL



LINE	BEARING	DISTANCE
R1	S57°45'28"E	139.27'
R2	N56°00'13"E	231.49'
R3	N64°45'49"W	221.84'
R4	S68°47'13"E	2197.31'
R5	N17°04'44"W	791.20'

LEGEND

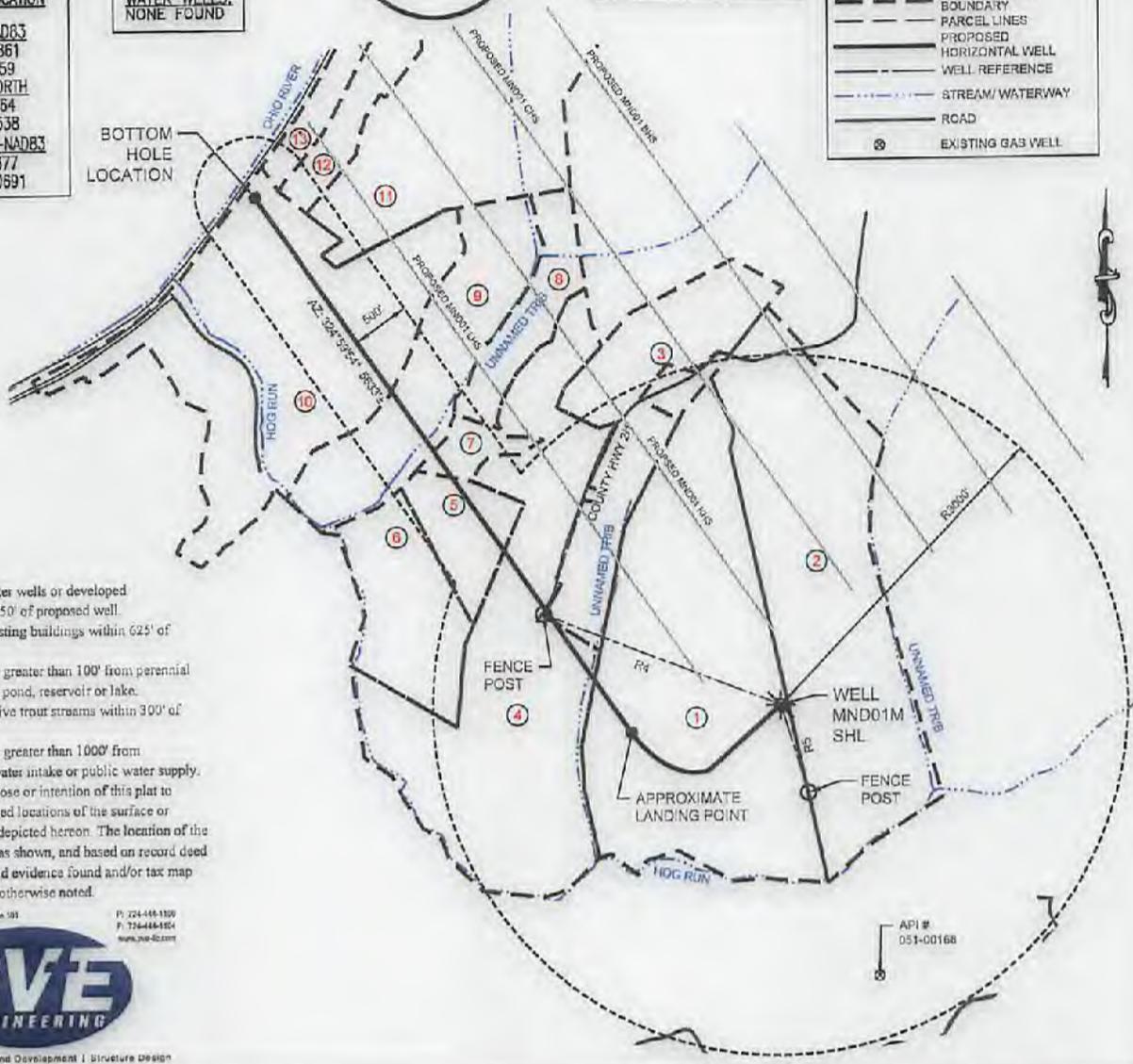
- PROPOSED WELL
- WATER SOURCE
- LEASED NUMBER
- ALL ARE POINTS UNLESS OTHERWISE NOTED
- MINERAL TRACT BOUNDARY
- PARCEL LINES
- PROPOSED HORIZONTAL WELL
- WELL REFERENCE
- STREAM/WATERWAY
- ROAD
- EXISTING GAS WELL

BOTTOM HOLE LOCATION

UTM 17 - NAD83
 N: 4412425.861
 E: 517902.559
 NAD27, WY NORTH
 N: 498533.454
 E: 1637635.538
 LAT/LON DATUM-NAD83
 LAT: 39.851677
 LON: -80.790991

WATER WELLS:
 NONE FOUND

BOTTOM HOLE LOCATION



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.

Washington Corporate Plaza, Suite 101
 2020 Coopersville Drive
 Sewickley, PA 15143



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

FILE #: MND 01 MHS
 DRAWING #: MND 01 MHS
 SCALE: 1"=1500'
 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



DATE: SEPTEMBER 10, 2019
 OPERATOR'S WELL #: MND 01 MHS
 API WELL # 47 051 0183916A
 STATE COUNTY PERMIT

Well Type: Oil Waste Disposal Production Deep
 Gas Liquid Injection Storage Shallow SHEET: 2 OF 3

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

11/05/2021

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: 5,175' ± TMD: 12,374' ±
 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

Well is located on topo map 4.853 feet south of Latitude: 39° 52' 30"

Well is located on topo map 9.173 feet south of Latitude: 39° 52' 30"

Well is located on topo map 6.944 feet west of Longitude: 80° 45' 00"

Well is located on topo map 11.423 feet west of Longitude: 80° 45' 00"

100	ROBERT E TSCHAPPAT JR	TAX MAP NO. 04-0014-0006-0001-0000
102	CHAPLIN RALPH & ELLA	TAX MAP NO. 05-0002-0018-0000-0000
174	GRAY ROBERT WILLIAM - LIFE	TAX MAP NO. 05-0002-0006-0000-0000
175	RINE WENDELL B. & CAROLYN S.	TAX MAP NO. 04-0014-0007-0000-0000
179	ESTEP EUGENE C. & ELIZABETH A.	TAX MAP NO. 04-0013-0002-0000-0000
180	CONSOLIDATION COAL COMPANY, ET AL.	TAX MAP NO. 04-0014-0005-0000-0000
192	CONSOLIDATION COAL COMPANY, ET AL.	TAX MAP NO. 05-0002-0005-0000-0000
200	CONSOLIDATION COAL COMPANY, ET AL.	TAX MAP NO. 05-0001-0007-0000-0000
201	CONSOLIDATION COAL COMPANY, ET AL.	TAX MAP NO. 05-0001-0005-0000-0000
202	CONSOLIDATION COAL COMPANY, ET AL.	TAX MAP NO. 04-0014-0012-0000-0000
203	CONSOLIDATION COAL COMPANY, ET AL.	TAX MAP NO. 05-0001-0006-0001-0000
204	CONSOLIDATION COAL COMPANY, ET AL.	TAX MAP NO. 05-0001-0006-0000-0000
205	CONSOLIDATION COAL COMPANY, ET AL.	TAX MAP NO. 05-0001-0004-0000-0000
206	CONSOLIDATION COAL COMPANY, ET AL.	TAX MAP NO. 05-0001-0001-0000-0000
206	STATE ROAD COMMISSION	TAX MAP NO. 04-0007-0016-0000-0000
206	WV DEPT. OF HIGHWAYS	TAX MAP NO. 04-0007-0016-0000-0000
210	MAIDENS PAUL J. & JULIE D.	TAX MAP NO. 04-0007-0014-0000-0000
211	BARLOW EDISON A. ET. UX.	TAX MAP NO. 04-0014-0004-0000-0000
212	DICKSON RAYMOND M.	TAX MAP NO. 04-0007-0018-0000-0000
213	MAIDENS PAUL J. & JULIE D.	TAX MAP NO. 04-0007-0017-0000-0000

LEGEND

- BOTTOM HOLE LOCATION
- TOP HOLE LOCATION
- PROPOSED WELL
- WATER SOURCE
- LEASED NUMBER
- ALL ARE POINTS UNLESS OTHERWISE NOTED
- MINERAL TRACT BOUNDARY
- PARCEL LINES
- PROPOSED HORIZONTAL WELL
- WELL REFERENCE
- STREAM/WATERWAY
- ROAD
- EXISTING GAS WELL

1	HG ENERGY APPALACHIA, LLC.	TAX MAP NO. 04-14, PARCEL 10
2	HG ENERGY APPALACHIA, LLC.	TAX MAP NO. 04-14, PARCEL 09
3	ROBERT E. TSCHAPPAT SR. ET UX	TAX MAP NO. 04-14, PARCEL 06
4	HG ENERGY APPALACHIA, LLC.	TAX MAP NO. 04-14, PARCEL 11
5	DAVID C. WHITE	TAX MAP NO. 04-14, PARCEL 13
6	HG ENERGY APPALACHIA, LLC.	TAX MAP NO. 04-14, PARCEL 12
7	HG ENERGY APPALACHIA, LLC.	TAX MAP NO. 04-14, PARCEL 14
8	ESTATE OF NELLIE RAMSEY DOWER ET AL.	TAX MAP NO. 04-14, PARCEL 04
9	HG ENERGY APPALACHIA, LLC.	TAX MAP NO. 04-14, PARCEL 03
10	HG ENERGY APPALACHIA, LLC.	TAX MAP NO. 04-14, PARCEL 02
11	PAUL J. & JULIE D. MAIDENS	TAX MAP NO. 04-07, PARCEL 14
12	NYLA J. BELL	TAX MAP NO. 04-07, PARCEL 16
13	NYLA J. BELL	TAX MAP NO. 04-07, PARCEL 16

Waterford Corpn Pkg 10, 1044 '01
2300 Georgetown Drive
Rev. 05/15, PA 15143

P. 724-446-1508
F. 724-446-1174
www.pve-inc.com



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

FILE #: MND 01 MHS
DRAWING #: MND 01 MHS
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.: 18786 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 10, 2018
OPERATOR'S WELL #: MND 01 MHS
API WELL # 47 051 01839 HCA
STATE COUNTY PERMIT

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

WATERSHED: SHORT CREEK-OHIO RIVER ELEVATION: 1150.00'
COUNTY/DISTRICT: MARSHALL / CLAY QUADRANGLE: POWHATAN POINT, W. VA./OHIO
SURFACE OWNER: CONSOLIDATION COAL COMPANY/ MURRAY ENERGY ACREAGE: 126.89
OIL & GAS ROYALTY OWNER: CNX GAS COMPANY, LLC, ET AL. ACREAGE: 126.89

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: 12,374'±
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

11/05/2021

SHEET 3 OF 3

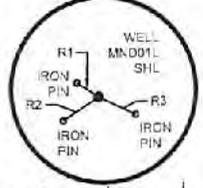
SURFACE HOLE LOCATION (SHL)

UTM 17 - NAD83
 N: 4411112.721
 E: 519301.332
 NAD27, WY NORTH
 N: 494147.604
 E: 1642153.576
 LAT/LON DATUM-NAD83
 LAT: 39.849815
 LON: -80.774376

APPROX. LANDING POINT

UTM 17 - NAD83
 N: 4411035.716
 E: 518910.314
 NAD27, WY NORTH
 N: 493919.660
 E: 1640866.311
 LAT/LON DATUM-NAD83
 LAT: 39.849139
 LON: -80.776949

REFERENCE DETAIL



LINE	BEARING	DISTANCE
R1	S57°45'26"E	139.27'
R2	N55°30'13"E	231.48'
R3	N64°45'45"W	221.84'
R4	S68°47'13"E	2197.31'
R5	N17°34'44"W	791.20'

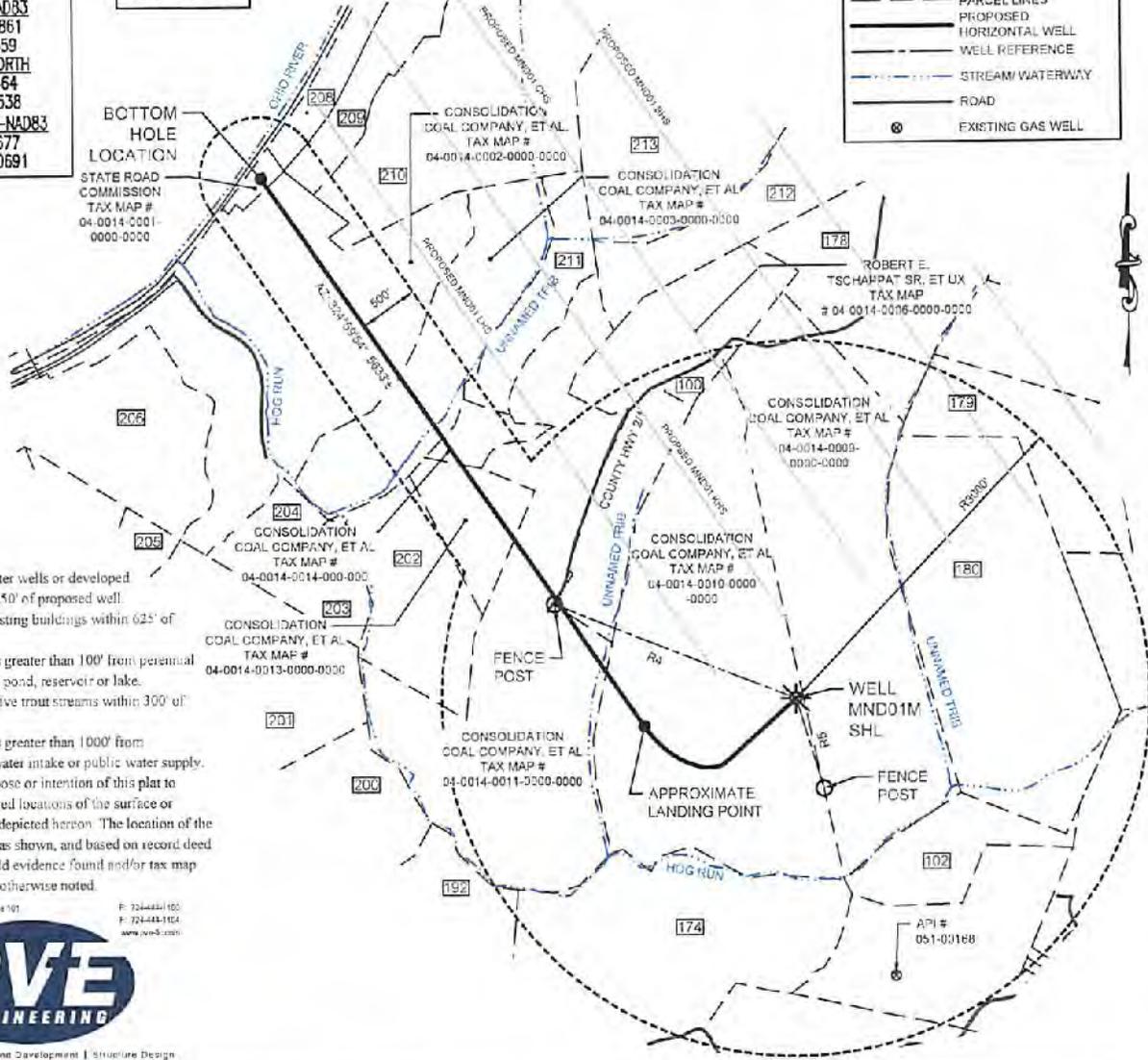
LEGEND	
	PROPOSED WELL
	WATER SOURCE
	LEASED NUMBER
	ALL ARE POINTS UNLESS OTHERWISE NOTED
	MINERAL TRACT BOUNDARY
	PARCEL LINES
	PROPOSED WELL
	HORIZONTAL WELL
	WELL REFERENCE
	STREAM/WATERWAY
	ROAD
	EXISTING GAS WELL

BOTTOM HOLE LOCATION

UTM 17 - NAD83
 N: 4412425.861
 E: 517902.559
 NAD27, WY NORTH
 N: 498533.464
 E: 1637635.538
 LAT/LON DATUM-NAD83
 LAT: 39.861677
 LON: -80.790691

WATER WELLS:

NONE FOUND



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.

Professional Corporation PA# 13, Suite 101
 220 On-again Drive
 Security, PA 15133



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

FILE #: MND 01 MHS

DRAWING #: MND 01 MHS

SCALE: 1"=1500'

MINIMUM DEGREE OF ACCURACY: 1/2500

PROVEN SOURCE OF ELEVATION: U.S.G.S. MONUMENT H 138; 636.58'

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.: 18768 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 10, 2019

OPERATOR'S WELL #: MND 01 MHS

API WELL # 47 051 01839

STATE COUNTY PERMIT

WELL Type: Oil Waste Disposal Production Deep

Gas Liquid Injection Storage Shallow

WATERSHED: SHORT CREEK-OHIO RIVER ELEVATION: 1150.00'

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

SURFACE OWNER: CONSOLIDATION COAL COMPANY/ MURRAY ENERGY 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

ESTIMATED DEPTH: TVD: 6,175' ± TMD: 12,374' ±

DESIGNATED AGENT: DIANE C. WHITE

Address: 5260 DUPONT ROAD

City PARKERSBURG State WV Zip Code 26101

11/05/2021
 Office of Oil and Gas
 AUG 11 2021
 WV Department of Environmental Protection

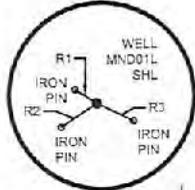
SURFACE HOLE LOCATION (SHL)

UTM 17 - NAD83
 N: 4411112.721
 E: 519301.332
 NAD27, WV NORTH
 N: 494147.604
 E: 1642153.576
 LAT/LON DATUM-NAD83
 LAT: 39.849815
 LON: -80.774375

APPROX. LANDING POINT

UTM 17 - NAD83
 N: 4411036.718
 E: 518910.314
 NAD27, WV NORTH
 N: 493919.660
 E: 1640866.311
 LAT/LON DATUM-NAD83
 LAT: 39.849139
 LON: -80.778949

REFERENCE DETAIL



LINE	BEARING	DISTANCE
R1	S57°45'26"E	139.27'
R2	N55°30'13"E	231.49'
R3	N64°45'48"W	221.84'
R4	S68°47'13"E	2197.31'
R5	N17°04'44"W	791.20'

LEGEND

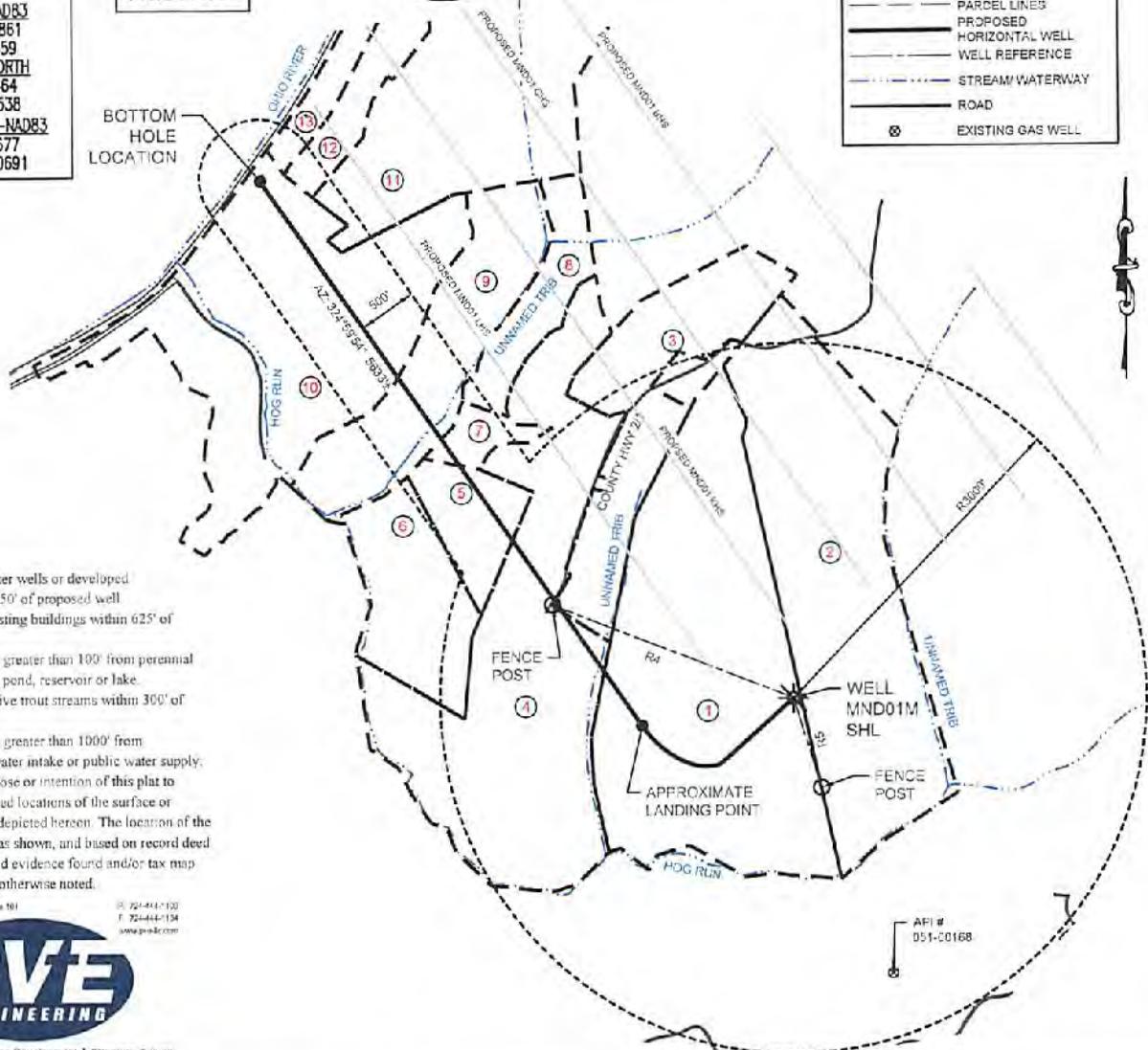
- PROPOSED WELL
- WATER SOURCE
- LEASED NUMBER
- ALL ARE POINTS UNLESS OTHERWISE NOTED
- MINERAL TRACT BOUNDARY
- PARCEL LINES
- PROPOSED HORIZONTAL WELL
- WELL REFERENCE
- STREAM/WATERWAY
- ROAD
- EXISTING GAS WELL

BOTTOM HOLE LOCATION

UTM 17 - NAD83
 N: 4412425.861
 E: 517902.559
 NAD27, WV NORTH
 N: 498533.464
 E: 1637635.538
 LAT/LON DATUM-NAD83
 LAT: 39.861677
 LON: -80.790691

WATER WELLS:
 NONE FOUND

BOTTOM HOLE LOCATION



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.

Washington Dep't of State, Site 101
 2002, Charleston, WV
 State of West Virginia, State 101



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

FILE #: MND 01 MHS
 DRAWING #: MND 01 MHS
 SCALE: 1"=1500'
 MINIMUM DEGREE OF ACCURACY: 1/2500
 PROVEN SOURCE: U.S.G.S. MONUMENT H 139: 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.: 18768 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 10, 2018
 OPERATOR'S WELL #: MND 01 MHS
 API WELL # 47 051 01839
 STATE COUNTY PERMIT

Well Type: Oil Waste Disposal Production Deep
 Gas Liquid Injection Storage Shallow SHEET: 2 OF 3

WATERSHED: SHORT CREEK-OHIO RIVER ELEVATION: 1150.00'
 COUNTY/DISTRICT: MARSHALL / CLAY QUADRANGLE: POWHATAN POINT, W. VA./OHIO
 SURFACE OWNER: MURRAY ENERGY 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 ESTIMATED DEPTH: TVD: 6,175' ± TMD: 12,374' ± WV Department of
 WELL OPERATOR: HG ENERGY II APPALACHIA, LLC DESIGNATED AGENT: DIANE C. WHITE Environmental Protection
 Address: 5260 DUPONT ROAD Address: 5260 DUPONT ROAD
 City PARKERSBURG State WV Zip Code 26101 City PARKERSBURG State WV Zip Code 26101

RECEIVED
 11/05/2021
 AUG 11 2021

Well is located on topo map 4,853 feet south of Latitude: 39° 52' 30"

Well is located on topo map 9,173 feet south of Latitude: 39° 52' 30"

Well is located on topo map 11,423 feet west of Longitude: 80° 45' 00"
Well is located on topo map 6,844 feet west of Longitude: 80° 45' 00"

100	ROBERT E TSCHAPPAT JR	TAX MAP NO. 04-0014-0006-0001-0000
102	CHAPLIN RALPH & ELLA	TAX MAP NO. 05-0002-0018-0000-0000
174	GRAY ROBERT WILLIAM - LIFE	TAX MAP NO. 05-0009-0006-0000-0000
178	RINE WENDELL B. & CAROLYN S.	TAX MAP NO. 04-0014-0007-0000-0000
179	ESTEP EUGENE C. & ELIZABETH A.	TAX MAP NO. 04-0013-0002-0000-0000
190	CONSOLIDATION COAL COMPANY, ET AL.	TAX MAP NO. 04-0014-0008-0000-0000
192	CONSOLIDATION COAL COMPANY, ET AL.	TAX MAP NO. 05-0002-0005-0000-0000
200	CONSOLIDATION COAL COMPANY, ET AL.	TAX MAP NO. 05-0001-0007-0000-0000
201	CONSOLIDATION COAL COMPANY, ET AL.	TAX MAP NO. 05-0001-0005-0000-0000
202	CONSOLIDATION COAL COMPANY, ET AL.	TAX MAP NO. 04-0014-0012-0000-0000
203	CONSOLIDATION COAL COMPANY, ET AL.	TAX MAP NO. 05-0001-0006-0001-0000
204	CONSOLIDATION COAL COMPANY, ET AL.	TAX MAP NO. 05-0001-0006-0000-0000
204	CONSOLIDATION COAL COMPANY, ET AL.	TAX MAP NO. 05-0001-0004-0000-0000
204	CONSOLIDATION COAL COMPANY, ET AL.	TAX MAP NO. 05-0001-0001-0000-0000
205	CONSOLIDATION COAL COMPANY, ET AL.	TAX MAP NO. 05-0001-0016-0000-0000
206	STATE ROAD COMMISSION	TAX MAP NO. 04-0007-0016-0000-0000
206	WV DEPT. OF HIGHWAYS	TAX MAP NO. 04-0007-0015-0000-0000
209	MAIDENS PAUL J. & JULIE D.	TAX MAP NO. 04-0007-0014-0000-0000
210	BARLOW EDISON A. ET UX.	TAX MAP NO. 04-0014-0004-0000-0000
211	DICKSON RAYMOND M.	TAX MAP NO. 04-0007-0018-0000-0000
212	MADENS PAUL J. & JULIE D.	TAX MAP NO. 04-0007-0017-0000-0000
213		



LEGEND	
	BOTTOM HOLE LOCATION
	TOP HOLE LOCATION
	PROPOSED WELL
	WATER SOURCE
	LEASED NUMBER
	MINERAL TRACT BOUNDARY
	PARCEL LINES
	PROPOSED HORIZONTAL WELL
	WELL REFERENCE
	STREAM/WATERWAY
	ROAD
	EXISTING GAS WELL

1	HG ENERGY APPALACHIA, LLC.	TAX MAP NO. 04-14, PARCEL 10
2	HG ENERGY APPALACHIA, LLC.	TAX MAP NO. 04-14, PARCEL 09
3	ROBERT E. TSCHAPPAT SR. ET UX.	TAX MAP NO. 04-14, PARCEL 06
4	HG ENERGY APPALACHIA, LLC.	TAX MAP NO. 04-14, PARCEL 11
5	DAVID C. WHITE	TAX MAP NO. 04-14, PARCEL 13
6	HG ENERGY APPALACHIA, LLC.	TAX MAP NO. 04-14, PARCEL 12
7	HG ENERGY APPALACHIA, LLC.	TAX MAP NO. 04-14, PARCEL 14
8	ESTATE OF NELLIE RAMSEY DOWER ET AL.	TAX MAP NO. 04-14, PARCEL 04
9	HG ENERGY APPALACHIA, LLC.	TAX MAP NO. 04-14, PARCEL 03
10	HG ENERGY APPALACHIA, LLC.	TAX MAP NO. 04-14, PARCEL 02
11	PAUL J. & JULIE D. MAIDENS	TAX MAP NO. 04-07, PARCEL 14
12	NYLA J. BELL	TAX MAP NO. 04-07, PARCEL 15
13	NYLA J. BELL	TAX MAP NO. 04-07, PARCEL 16

Professional Geoplotter (Permit No. 101)
2000 Geoplotting Code
Savannah, GA 31403



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

FILE #: MND 01 MHS
 DRAWING #: MND 01 MHS
 SCALE: 1"=2000'
 MINIMUM DEGREE OF ACCURACY: 1/2500
 PROVEN SOURCE OF ELEVATION: U.S.G.S. MONUMENT H 138: 636.58'

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.: 18786 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 10, 2018
 OPERATOR'S WELL #: MND 01 MHS
 API WELL # 47 051 01839
 STATE COUNTY PERMIT

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

SHEET: 3 OF 3

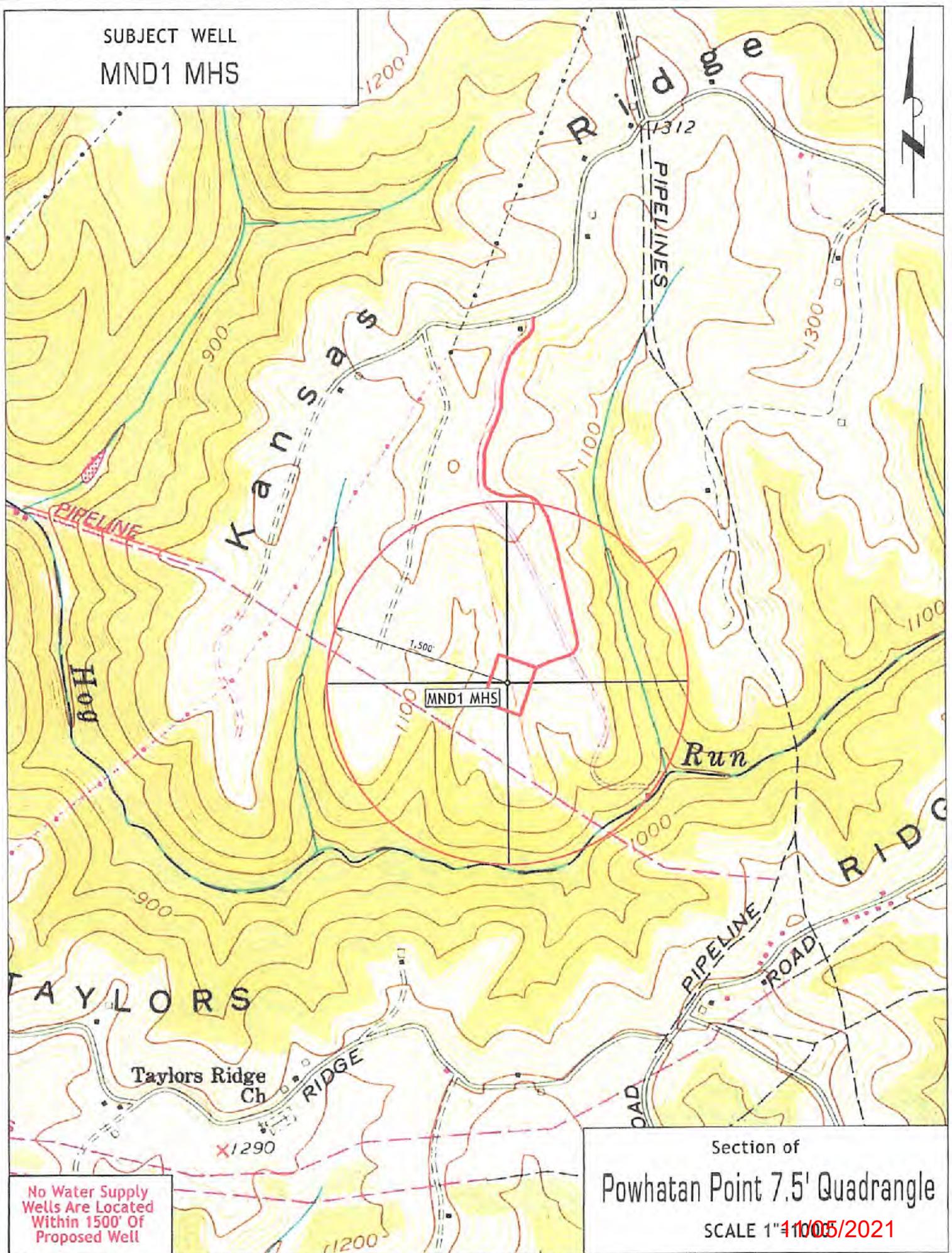
WATERSHED: SHORT CREEK-CHIO RIVER ELEVATION: 1150.00'
 COUNTY/DISTRICT: MARSHALL / CLAY QUADRANGLE: POWHATAN POINT, W. VA./OHIO
 SURFACE OWNER: CONSOLIDATION COAL COMPANY/ MURRAY ENERGY ACREAGE: 126.99
 OIL & GAS ROYALTY OWNER: CNX GAS COMPANY, LLC, ET AL. ACREAGE: 126.99

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 ESTIMATED DEPTH: TVD: 6,175' ± TMD: 12,374' ±
 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

RECEIVED
 11/05/2021
 AUG 11 2021
 WV Department of Environmental Protection

SUBJECT WELL
MND1 MHS



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

Section of
Powhatan Point 7.5' Quadrangle
SCALE 1"=1100'
11/05/2021