

FILE # MND23 N-3H

DRAWING # MND23 N-3H

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. 2269



(+) 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: BIG TRIBBLE CREEK-OHIO RIVER ELEVATION: 1240'

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

SURFACE OWNER: HG ENERGY II, APPALACHIA LLC. ACREAGE: 128.8

OIL & GAS ROYALTY OWNER: CNX GAS COMPANY ACREAGE: 126.6

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 / MARCELLUS

WELL OPERATOR: HG ENERGY II APPALACHIA, LLC

Address: 5260 DUPONT ROAD

City PARKERSBURG State WV Zip Code 26101



DATE: FEBRUARY 26, 2019

OPERATOR'S WELL #: MND23 N-3H

API WELL # 47 51 02409 H6A

STATE COUNTY PERMIT

PAGE: 1 OF 4

RECEIVED
 Office of Oil & Gas

AUG 18 2021
 09/17/2021

WV Department of Environmental Protection

ESTIMATED DEPTH TVD: 6,535' ± TMD: 15,631' ±

DESIGNATED AGENT: DIANE C. WHITE

Address: 5260 DUPONT ROAD

City PARKERSBURG State WV Zip Code 26101

Bottom Hole is located on topo map 1,022 feet south of Latitude: 39° 50' 00"

Well is located on topo map 6,757 feet south of Latitude: 39° 50' 00"

Bottom Hole is located on topo map 10,532 feet west of Longitude: 80° 45' 00"
 Well is located on topo map 4,414 feet west of Longitude: 80° 45' 00"

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.



DETAIL (REMAINDER OF AFFECTED PARCEL REFERENCE # 300) SCALE: 1"=2,000'



SURFACE HOLE LOCATION (SHL)
 UTM 17 - NAD83(m)
 N: 4407230.01
 E: 520039.61
 UTM 17 - NAD83(ft)
 N: 14459387.11
 E: 1706163.27
 LAT/LON DATUM-NAD83
 LAT: 39.814815°
 LON: -80.765865°

APPROX. LANDING POINT
 UTM 17 - NAD83(m)
 N: 4406908.40
 E: 519700.88
 UTM 17 - NAD83(ft)
 N: 14458331.96
 E: 1705051.98
 LAT/LON DATUM-NAD83
 LAT: 39.811925°
 LON: -80.769832°

BOTTOM HOLE LOCATION
 UTM 17 - NAD83(m)
 N: 4408969.59
 E: 518183.61
 UTM 17 - NAD83(ft)
 N: 14485094.38
 E: 1700074.06
 LAT/LON DATUM-NAD83
 LAT: 39.830530°
 LON: -80.787501°

Waterford Corporate Park II, Suite 101
 2500 Gaslight Drive
 Sewersky, PA 15143

P: 224-444-1100
 F: 224-444-1104
 www.pve.com



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

LEGEND	
	PROPOSED SURFACE HOLE LOCATION ON 7.5' TOPOGRAPHIC MAP
	PROPOSED BOTTOM HOLE LOCATION ON 7.5' TOPOGRAPHIC MAP

FILE # MND23 N-3H
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(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 WVDEP
 OFFICE OF OIL & GAS
 601 57TH STREET
 CHARLESTON, WV 25304



DATE: FEBRUARY 28, 2019
 OPERATOR'S WELL #: MND23 N-3H
 API WELL # 47 51 02409
 STATE COUNTY PERMIT

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 Gas Liquid Injection Storage Shallow

WATERSHED: BIG TRIBBLE CREEK-OHIO RIVER ELEVATION: 1240'
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 OIL & GAS ROYALTY OWNER: CNX GAS COMPANY ACREAGE: 126.8

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 PLUG OFF OLD FORMATION PERFORATE NEW FORMATION PLUG AND ABANDON
 CLEAN OUT & REPLUG OTHER CHANGE (SPECIFY)

TARGET FORMATION: POINT PLEASANT / MARCELLUS ESTIMATED DEPTH: TVD: 8,535' ± TMD: 15,631' ±
 WELL OPERATOR: HG ENERGY II APPALACHIA, LLC DESIGNATED AGENT: DIANE C. WHITE WV Department of
 Address: 5260 DUPONT ROAD Address: 5260 DUPONT ROAD Environmental Protection
 City PARKERSBURG State WV Zip Code 26101 City PARKERSBURG State WV Zip Code 26101

09/17/2021
 Office of Oil and Gas
 AUG 12 2021

168	MCCLINTOCK DALE ET. UX.	TAX MAP NO. 05-0004-0013-0000-0000	388	HOLSTINE BERNARD W. & ROXANN L.	TAX MAP NO. 05-0004-0014-0000-0000
169	FRANKLIN REAL ESTATE CO.	TAX MAP NO. 05-0004-0015-0000-0000	389	HOLSTINE BERNARD W. & ROXANN L.	TAX MAP NO. 05-0004-0014-0002-0000
182	CONSOLIDATION COAL COMPANY	TAX MAP NO. 05-0005-0012-0000-0000	390	LEGG JAMES R. EST.	TAX MAP NO. 05-0009-0003-0000-0000
183	FRANKLIN REAL ESTATE CO.	TAX MAP NO. 05-0005-0011-0000-0000	391	MCCLINTOCK DALE EDWARD	TAX MAP NO. 05-0009-0006-0000-0000
184	CONSOLIDATION COAL COMPANY	TAX MAP NO. 05-0002-0012-0000-0000	392	RUCKMAN JESSIE GLADYS - LIFE	TAX MAP NO. 05-0009-0001-0000-0000
193	CONSOLIDATION COAL COMPANY	TAX MAP NO. 05-0002-0005-0000-0000	393	LEGG JEFFERY L.	TAX MAP NO. 05-0009-0002-0001-0000
220	MORRIS FRED H ET UX	TAX MAP NO. 05-0004-0009-0000-0000	394	ANDERSON RHONDA MARIE	TAX MAP NO. 05-0004-0014-0001-0000
298	CONSOLIDATION COAL COMPANY	TAX MAP NO. 05-0006-0011-0000-0000	402	MCCLINTOCK DALE EDWARD	TAX MAP NO. 05-0009-0005-0000-0000
299	CONSOLIDATION COAL COMPANY	TAX MAP NO. 05-0007-0003-0000-0000	403	LEGG JAMES R EST	TAX MAP NO. 05-0009-0002-0000-0000
300	OHIO POWER CO.	TAX MAP NO. 05-0006-0003-0000-0000	404	WHITE KENNETH E ET UX	TAX MAP NO. 05-0009-0002-0002-0000
301	CONSOLIDATION COAL COMPANY	TAX MAP NO. 05-0006-0005-0000-0000	405	ARNOLD LLOYD C & JUDITH C	TAX MAP NO. 05-0009-0035-0000-0000
302	CONSOLIDATION COAL COMPANY	TAX MAP NO. 05-0006-0006-0000-0000	406	FRANCIS JAMES EDWARD ET UX	TAX MAP NO. 05-0009-0006-0000-0000
303	CONSOLIDATION COAL COMPANY	TAX MAP NO. 05-0008-0001-0000-0000	407	DALLISON LUMBER CO	TAX MAP NO. 05-0009-0031-0000-0000
304	CONSOLIDATION COAL COMPANY	TAX MAP NO. 05-0001-0016-0000-0000	408	ARRICK DAVID H ET UX	TAX MAP NO. 05-0011-0004-0000-0000
305	CONSOLIDATION COAL COMPANY	TAX MAP NO. 05-0001-0013-0000-0000	409	RINE WALTER C	TAX MAP NO. 05-0011-0002-0000-0000
306	OHIO POWER CO.	TAX MAP NO. 05-0005-0010-0000-0000	410	JACKSON JAMES B JR ET UX	TAX MAP NO. 05-0008-0009-0000-0000
307	CNX GAS COMPANY LLC.	TAX MAP NO. 05-0007-0005-0000-0000	411	WHITT PAUL	TAX MAP NO. 05-0011-0001-0005-0000
308	CONSOLIDATION COAL COMPANY	TAX MAP NO. 05-0007-0002-0000-0000	412	MOORE RANDYLYN ET AL	TAX MAP NO. 05-0011-0001-0000-0000
309	CONSOLIDATION COAL COMPANY	TAX MAP NO. 05-0007-0003-0000-0000	413	YOHO RONALD G ET AL	TAX MAP NO. 05-0007-0032-0000-0000
310	CONSOLIDATION COAL COMPANY	TAX MAP NO. 05-0007-0004-0000-0000	414	ROUPE WILLIAM N ET UX	TAX MAP NO. 05-0007-0031-0000-0000
311	CONSOLIDATION COAL COMPANY	TAX MAP NO. 05-0008-0004-0000-0000	415	CAMPBELL BRUCE S	TAX MAP NO. 05-0007-0031-0001-0000
313	CONSOLIDATION COAL COMPANY	TAX MAP NO. 05-0008-0002-0000-0000	416	ARNOLD LLOYD C. & JUDITH C.	TAX MAP NO. 05-0009-0041-0000-0000
314	CONSOLIDATION COAL COMPANY	TAX MAP NO. 05-0008-0002-0000-0000	417	STOUT JAMES L.	TAX MAP NO. 05-0009-0007-0000-0000
315	CONSOLIDATION COAL COMPANY	TAX MAP NO. 05-0002-0002-0000-0000			
316	CONSOLIDATION COAL COMPANY	TAX MAP NO. 05-0002-0001-0000-0000			
317	CONSOLIDATION COAL COMPANY	TAX MAP NO. 05-0005-0001-0000-0000			
318	CONSOLIDATION COAL COMPANY	TAX MAP NO. 05-0005-0002-0000-0000			
319	OHIO POWER CO.	TAX MAP NO. 05-0005-0003-0000-0000			
320	SANCHEZ GENEVA BASSETT	TAX MAP NO. 05-0005-0004-0000-0000			
322	ROBBINS JAMES E & DIANA C	TAX MAP NO. 05-0005-0005-0000-0000			
323	MCGINNIS TIMOTHY L SR ET UX.	TAX MAP NO. 05-0003-0003-0001-0000			
324	OHIO POWER CO.	TAX MAP NO. 05-0005-0006-0000-0000			
325	FRANKLIN REAL ESTATE CO.	TAX MAP NO. 05-0005-0007-0000-0000			
326	FRANKLIN REAL ESTATE CO.	TAX MAP NO. 05-0005-0008-0000-0000			
327	FRANKLIN REAL ESTATE CO.	TAX MAP NO. 05-0005-0009-0000-0000			
329	MCCELROY COAL COMPANY	TAX MAP NO. 05-0005-0009-0001-0000			
330	HEATHERINGTON ARDEN RAY	TAX MAP NO. 05-0002-0013-0001-0000			
331	GATTS RICHARD L.	TAX MAP NO. 05-0008-0005-0000-0000			
332	MILLER EDWIN C.	TAX MAP NO. 05-0008-0007-0000-0000			
333	GATTS RICHARD L.	TAX MAP NO. 05-0008-0006-0000-0000			
334	CONSOLIDATION COAL COMPANY	TAX MAP NO. 05-0002-0003-0000-0000			
341	DELBURGG EMERALD H JR.	TAX MAP NO. 05-0008-0003-0000-0000			
342	BERISFORD BESSIE M. EST.	TAX MAP NO. 05-0008-0004-0000-0000			
361	NIEMAN FRANCES E.	TAX MAP NO. 05-0008-0004-0001-0000			
362	CLARK BEVERLY E.	TAX MAP NO. 05-0008-0001-0001-0000			
363	RUCKMAN SHELDON R. ET. AL.	TAX MAP NO. 05-0008-0001-0004-0000			
368	OHIO POWER COMPANY	TAX MAP NO. 05-0001-0022-0000-0000			
379	ARRUDA JOHN F. ET. UX.	TAX MAP NO. 05-0005-0004-0001-0000			
380	WV DIVISION OF NATURAL RESOURCES	NO ASSIGNED TRACT #			
382	RUCKMAN MARVIN E. ET. UX.	TAX MAP NO. 05-0008-0001-0003-0000			
383	MAXWELL WILLIAM L. SR. ET. UX.	TAX MAP NO. 05-0004-0018-0000-0000			
384	HOLMAN TERRY L.	TAX MAP NO. 05-0004-0016-0000-0000			
385	RUCKMAN MARVIN E.	TAX MAP NO. 05-0008-0001-0002-0000			
386	MAXWELL WILLIAM JR.	TAX MAP NO. 05-0004-0019-0000-0000			
387	HOLMAN TERRY L.	TAX MAP NO. 05-0004-0017-0000-0000			

Washington County Park @ Suite 101
200 Coalstown Blvd
Sandyhook, PA 17414



Client Engineering | Laser Development | Structure Design
Land Planning | Landscape Architecture | Environmental

LEGEND	
100	REFERENCE NUMBER FOR SURFACE PARCEL OWNERSHIP

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

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

WATERSHED: BIG TRIBBLE CREEK-OHIO RIVER
COUNTY/DISTRICT: MARSHALL / FRANKLIN
SURFACE OWNER: HG ENERGY II, APPALACHIA LLC.
OIL & GAS ROYALTY OWNER: CNX GAS COMPANY

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CLEAN OUT & REPLUG OTHER CHANGE (SPECIFY)

TARGET FORMATION POINT PLEASANT / MARCELLUS
WELL OPERATOR HG ENERGY II APPALACHIA, LLC
Address: 5280 DUPONT ROAD
City PARKERSBURG State WV Zip Code 26101



DATE: FEBRUARY 26, 2019
OPERATOR'S WELL #: MND23 N-3H
API WELL # 47 51 62409
STATE COUNTY PERMIT
PAGE: 3 OF 4

ESTIMATED DEPTH: TVD: 6,535' ± TMD: 15,631' ±
DESIGNATED AGENT: DIANE C. WHITE
Address: 5260 DUPONT ROAD
City PARKERSBURG State WV Zip Code 26101

09/17/2021 RECEIVED
Office of Oil and Gas
AUG 12 2021
WV Department of Environmental Protection

HG Plat Number	MRID	Original Lessee	Original Lessee	Surface Parcel Code					
1	05-0004-0014-0000-0000	MILLER CHARLES W	CHEVRON USA INC	385			Cynthia P. Hopkins, as Trustee of the Cynthia P. Hopkins Revocable Trust	NOBLE ENERGY INC	
		PARSONS PAUL ET UX	CHEVRON USA INC				Elizabeth A. Strusbaugh and James R. Strusbaugh	NOBLE ENERGY INC	
		RUSSELL SHARON LYN	CHEVRON USA INC				Janet and John Blankenship	NOBLE ENERGY INC	
		HUFF TIMOTHY ET UX	CHEVRON USA INC				Jean C. Thomas	NOBLE ENERGY INC	
		ARNOLD LLOYD C ET UX	CHEVRON USA INC				Mary E. Bassett	NOBLE ENERGY INC	
		CRONIN MARY JO	CHEVRON USA INC				Robert B. and Violet Thomas	NOBLE ENERGY INC	
		KURPIL RICHARD ET UX	CHEVRON USA INC				Roger B. and Inken P. Rose	NOBLE ENERGY INC	
		CLIFTON CLARA MAE	CHEVRON USA INC				Ruth Ann and Furman F. Wallace	NOBLE ENERGY INC	
		EDWARDS GEORGE ET UX	CHEVRON USA INC				Ruth E. Bassett Meadows and O.W. Meadows Jr	NOBLE ENERGY INC	
		KYLE DONNA FAE	CHEVRON USA INC				NOBLE ENERGY INC	HG ENERGY II APPALACHIA, LLC	
		CONNER JUDITH MAY	CHEVRON USA INC				AEP Generation Resources Inc. and Kentucky Power Company	Noble Energy, Inc.	324
		SCHEIBELHOOD PAUL ET AL	AB RESOURCES LLC				NOBLE ENERGY INC	HG ENERGY II APPALACHIA, LLC	
		AB RESOURCES LLC	NPAR LLC				NOBLE ENERGY INC	HG ENERGY II APPALACHIA, LLC	
		NPAR LLC	Chevron USA INC				AEP Generation Resources Inc. and Kentucky Power Company	Noble Energy, Inc.	319
		Chevron USA INC	HG ENERGY II APPALACHIA, LLC				NOBLE ENERGY INC	HG ENERGY II APPALACHIA, LLC	
2	05-0009-0003-0000-0000	James Redman Legg II ET AL	Noble Energy, Inc.	390	10	05-0005-0006-0000-0000	NOBLE ENERGY INC	HG ENERGY II APPALACHIA, LLC	
		Noble Energy, Inc.	CNX Gas Company, LLC				AEP Generation Resources Inc. and Kentucky Power Company	Noble Energy, Inc.	319
		CNX Gas Company, LLC	Noble Energy, Inc.				NOBLE ENERGY INC	HG ENERGY II APPALACHIA, LLC	
		NOBLE ENERGY INC	HG ENERGY II APPALACHIA, LLC				NOBLE ENERGY INC	HG ENERGY II APPALACHIA, LLC	
3	05-0009-0007-0001-0000	Jeffrey L. Legg	Noble Energy, Inc.	393			Consolidation Coal Company	CNX Gas Company, LLC	300
		Noble Energy, Inc.	CNX Gas Company, LLC				CNX Gas Company, LLC	Noble Energy, Inc.	
		CNX Gas Company, LLC	Noble Energy, Inc.				NOBLE ENERGY INC	HG ENERGY II APPALACHIA, LLC	
		NOBLE ENERGY INC	HG ENERGY II APPALACHIA, LLC				NOBLE ENERGY INC	HG ENERGY II APPALACHIA, LLC	
4	05-0009-0001-0000-0000, 05-0009-0001-0001-0000, 05-0009-0001-0002-0000, 05-0009-0001-0003-0000, 05-0009-0001-0004-0000	Jessi Gladys Ruckman Et Al	Noble Energy, Inc.	392, 362, 385, 382, 363			Margaret Games	CNX Gas Company, LLC	318
		NOBLE ENERGY INC	HG ENERGY II APPALACHIA, LLC				Elizabeth Patterson	CNX Gas Company, LLC	
		NOBLE ENERGY INC	HG ENERGY II APPALACHIA, LLC				Charles J. Wiesner	CNX Gas Company, LLC	
5	05-0008-0007-0000-0000	Edwin C. Miller and Klumberly Ann Miller	Noble Energy, Inc.	332					
		Noble Energy, Inc.	CNX Gas Company, LLC						
		CNX Gas Company, LLC	Noble Energy, Inc.						
		NOBLE ENERGY INC	HG ENERGY II APPALACHIA, LLC						
6	NO ASSIGNED TRACT #	WV Division of Natural Resources	Noble Energy, Inc.	380					
		NOBLE ENERGY INC	HG ENERGY II APPALACHIA, LLC						
7	05-0008-0006-0000-0000	Richard J. Gatts	Chevron USA INC	333					
		Chevron USA INC	HG ENERGY II APPALACHIA, LLC						
8	05-0008-0005-0000-0000	Richard J. Gatts	Chevron USA INC	331					
		Chevron USA INC	HG ENERGY II APPALACHIA, LLC						
		NOBLE ENERGY INC	HG ENERGY II APPALACHIA, LLC						
9	05-0005-0004-0000-0000	Barbara Kay Ewing and Wilber E. Ewing	NOBLE ENERGY INC	320					
		Charles Howard Bassett JR and Ruby D. Bassett	NOBLE ENERGY INC						

LEGEND
 ① REFERENCE NUMBER FOR MINERAL OWNERSHIP



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 STATE COUNTY PERMIT

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 Gas Liquid Injection Storage Shallow

PAGE: 4 OF 4

WATERSHED: BIG TRIBBLE CREEK-OHIO RIVER ELEVATION: 1240'
 COUNTY/DISTRICT: MARSHALL / FRANKLIN QUADRANGLE: POWHATAN POINT, W. VA./OHIO

SURFACE OWNER: HG Energy II, Appalachia LLC. ACREAGE: 126.6
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09/17/2021 RECEIVED

Office of Oil and Gas

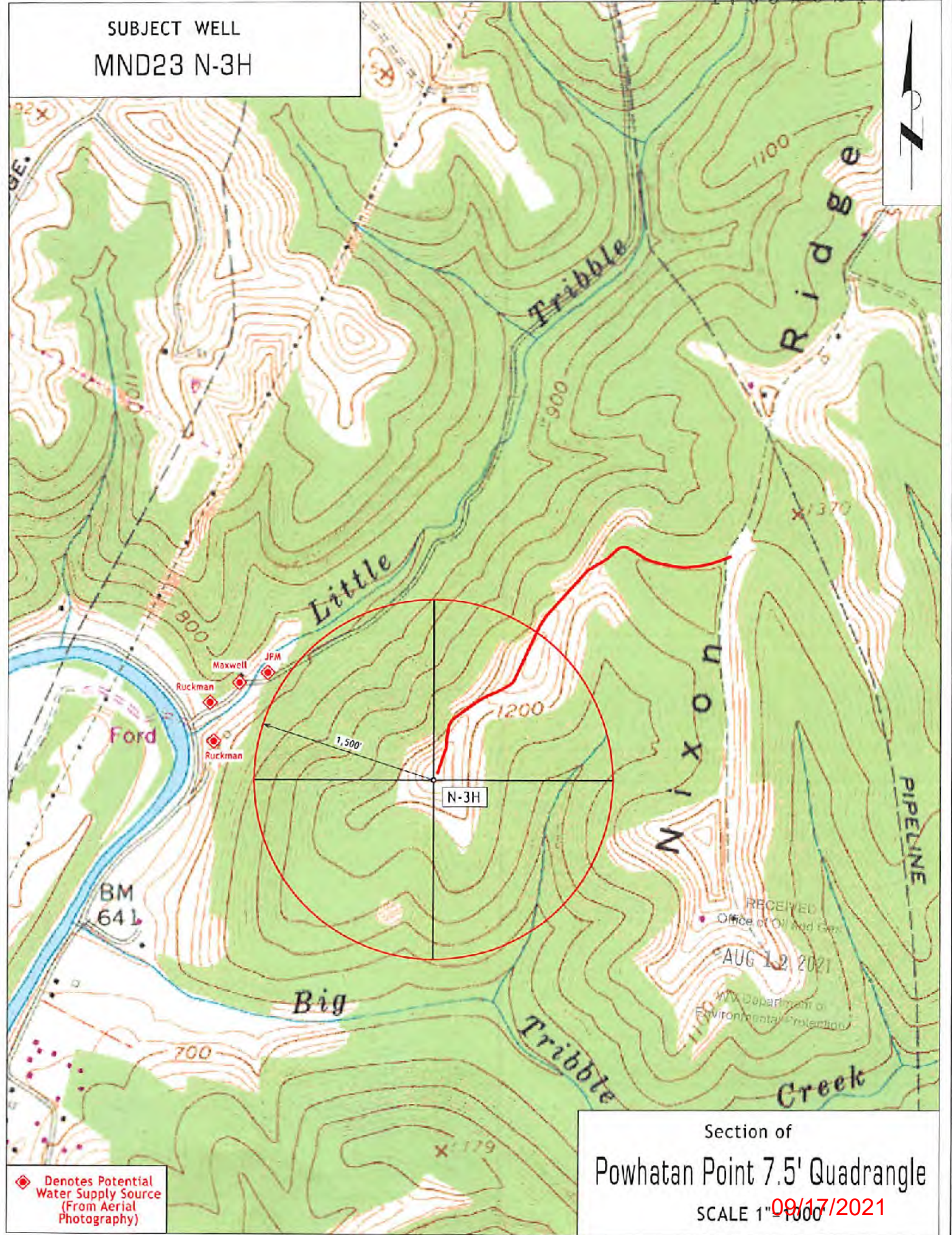
AUG 12 2021

WV Department of Environmental Protection

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

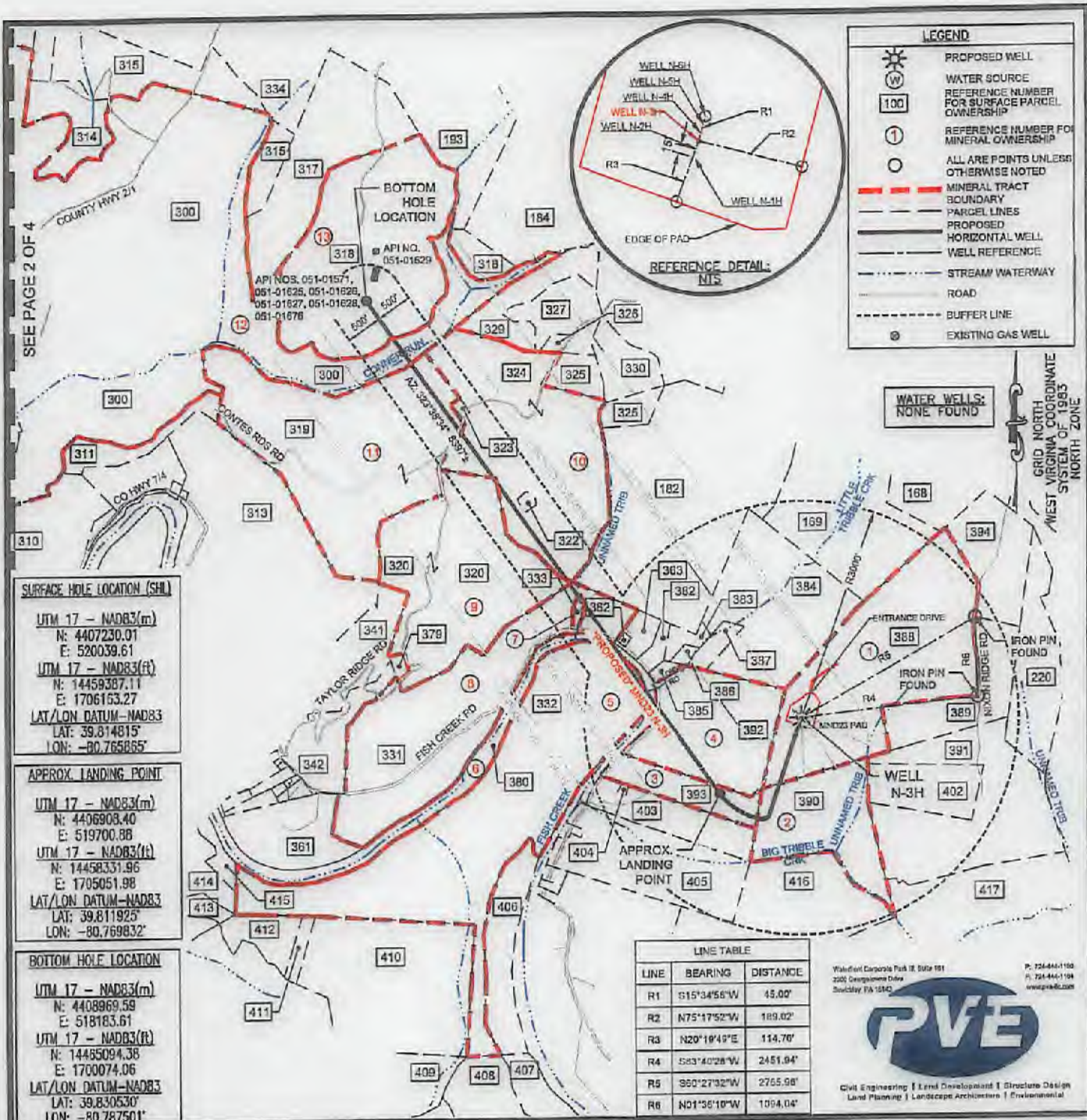
SUBJECT WELL
MND23 N-3H



◆ Denotes Potential Water Supply Source (From Aerial Photography)

Section of
Powhatan Point 7.5' Quadrangle
SCALE 1" = 1000' 09/17/2021

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Waterford Corporate Park II, Suite 101
 2200 Development Drive
 Southley, VA 22680

P. 724-440-1100
 F. 724-440-1108
 www.pve.com

PVE

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

ADAM J. WESTFALL
 LICENSED
 No. 2269
 STATE OF WEST VIRGINIA
 PROFESSIONAL SURVEYOR

PLACE SEAL HERE

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WVDEP
 OFFICE OF OIL & GAS
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ACREAGE: 128.6

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STATE COUNTY PERMIT

ELEVATION: 1240'

QUADRANGLE: POWHATAN POINT, W. VA./OHIO

PAGE: 1 OF 4

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DESIGNATED AGENT: DIANE C. WHITE

Address: 5280 DUPONT ROAD

City PARKERSBURG State WV Zip Code 26101



09/17/2021

Bottom Hole is located on topo map 1,022 feet south of Latitude: 39° 50' 00"

Well is located on topo map 6,757 feet south of Latitude: 39° 50' 00"

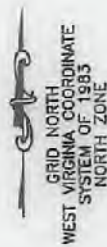
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4. There are no native trout streams within 300' of proposed well.
5. Proposed well is greater than 1000' from surface/groundwater intake or public water supply.
6. It is not the purpose or intention of this plat to represent surveyed locations of 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.



Bottom Hole is located on topo map 10,532 feet west of Longitude: 80° 45' 00"
 Well is located on topo map 4,414 feet west of Longitude: 80° 45' 00"

DETAIL (REMAINDER OF AFFECTED PARCEL REFERENCE # 300) SCALE: 1"=2,000'



SURFACE HOLE LOCATION (SHL)

UTM 17 - NAD83(m)
 N: 4407230.01
 E: 520039.61
 UTM 17 - NAD83(ft)
 N: 14459387.11
 E: 1706163.27
 LAT/LON DATUM-NAD83
 LAT: 39.814815°
 LON: -80.765865°

APPROX. LANDING POINT

UTM 17 - NAD83(m)
 N: 4406908.40
 E: 519700.88
 UTM 17 - NAD83(ft)
 N: 14458331.96
 E: 1705051.98
 LAT/LON DATUM-NAD83
 LAT: 39.811925°
 LON: -80.769832°

BOTTOM HOLE LOCATION

UTM 17 - NAD83(m)
 N: 4408969.59
 E: 518183.61
 UTM 17 - NAD83(ft)
 N: 14465094.38
 E: 1700074.06
 LAT/LON DATUM-NAD83
 LAT: 39.830530°
 LON: -80.787501°

Michael Corpore Park Rd. 6th Fl. 191
 2000 Glassboro Cmn
 Sewell, NJ 08080
 P: 224-444-1150
 F: 224-444-1154
 www.pve.com



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LEGEND

- PROPOSED SURFACE HOLE LOCATION ON 7.5' TOPOGRAPHIC MAP
- PROPOSED BOTTOM HOLE LOCATION ON 7.5' TOPOGRAPHIC MAP

FILE #: MND23 N-3H

DRAWING #: MND23 N-3H

SCALE: 1"=2000'

MINIMUM DEGREE OF ACCURACY: 1/2500

PROVEN SOURCE U.S.G.S. MONUMENT
 OF ELEVATION: H 138: 638.59'

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. 2269



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 WVDEP
 OFFICE OF OIL & GAS
 601 57TH STREET
 CHARLESTON, WV 25304



DATE: FEBRUARY 28, 2019

OPERATOR'S WELL #: MND23 N-3H

API WELL # 47 51 02409
 STATE COUNTY PERMIT

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

PAGE: 2 OF 4

WATERSHED: BIG TRIBBLE CREEK-OHIO RIVER

ELEVATION: 1240'

COUNTY/DISTRICT: MARSHALL / FRANKLIN

QUADRANGLE: POWHATAN POINT, W. VA./OHIO

SURFACE OWNER: HG ENERGY II, APPALACHIA LLC.

ACREAGE: 128.8

OIL & GAS ROYALTY OWNER: CNX GAS COMPANY

ACREAGE: 128.8

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 / MARCELLUS

ESTIMATED DEPTH: TVD: 6,535' ± TMD: 15,631' ±

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

09/17/2021

158	MCCLINTOCK DALE ET. UX.	TAX MAP NO. 05-0004-0013-0000-0000
159	FRANKLIN REAL ESTATE CO.	TAX MAP NO. 05-0004-0015-0000-0000
182	CONSOLIDATION COAL COMPANY	TAX MAP NO. 05-0005-0012-0000-0000
183	FRANKLIN REAL ESTATE CO.	TAX MAP NO. 05-0005-0011-0000-0000
184	CONSOLIDATION COAL COMPANY	TAX MAP NO. 05-0002-0012-0000-0000
193	CONSOLIDATION COAL COMPANY	TAX MAP NO. 05-0002-0005-0000-0000
220	MORRIS FRED H ET UX	TAX MAP NO. 05-0004-0009-0000-0000
298	CONSOLIDATION COAL COMPANY	TAX MAP NO. 05-0006-0011-0000-0000
299	CONSOLIDATION COAL COMPANY	TAX MAP NO. 05-0007-0003-0000-0000
300	OHIO POWER CO.	TAX MAP NO. 05-0005-0003-0000-0000
301	CONSOLIDATION COAL COMPANY	TAX MAP NO. 05-0005-0005-0000-0000
302	CONSOLIDATION COAL COMPANY	TAX MAP NO. 05-0005-0006-0000-0000
303	CONSOLIDATION COAL COMPANY	TAX MAP NO. 05-0005-0001-0000-0000
304	CONSOLIDATION COAL COMPANY	TAX MAP NO. 05-0001-0015-0000-0000
305	CONSOLIDATION COAL COMPANY	TAX MAP NO. 05-0001-0013-0000-0000
306	OHIO POWER CO.	TAX MAP NO. 05-0006-0010-0000-0000
307	CNX GAS COMPANY LLC.	TAX MAP NO. 05-0007-0005-0000-0000
308	CONSOLIDATION COAL COMPANY	TAX MAP NO. 05-0007-0002-0000-0000
309	CONSOLIDATION COAL COMPANY	TAX MAP NO. 05-0007-0003-0000-0000
310	CONSOLIDATION COAL COMPANY	TAX MAP NO. 05-0007-0004-0000-0000
311	CONSOLIDATION COAL COMPANY	TAX MAP NO. 05-0008-0004-0000-0000
313	CONSOLIDATION COAL COMPANY	TAX MAP NO. 05-0008-0002-0000-0000
314	CONSOLIDATION COAL COMPANY	TAX MAP NO. 05-0005-0002-0000-0000
315	CONSOLIDATION COAL COMPANY	TAX MAP NO. 05-0002-0002-0000-0000
316	CONSOLIDATION COAL COMPANY	TAX MAP NO. 05-0002-0001-0000-0000
317	CONSOLIDATION COAL COMPANY	TAX MAP NO. 05-0005-0001-0000-0000
318	CONSOLIDATION COAL COMPANY	TAX MAP NO. 05-0005-0002-0000-0000
319	OHIO POWER CO.	TAX MAP NO. 05-0005-0003-0000-0000
320	SANCHEZ GENEVA BASSETT	TAX MAP NO. 05-0005-0004-0000-0000
322	ROBBINS JAMES E & DIANA C	TAX MAP NO. 05-0005-0005-0000-0000
323	MCGINNIS TIMOTHY L SR ET UX.	TAX MAP NO. 05-0003-0003-0001-0000
324	OHIO POWER CO.	TAX MAP NO. 05-0005-0006-0000-0000
325	FRANKLIN REAL ESTATE CO.	TAX MAP NO. 05-0005-0007-0000-0000
326	FRANKLIN REAL ESTATE CO.	TAX MAP NO. 05-0005-0008-0000-0000
327	FRANKLIN REAL ESTATE CO.	TAX MAP NO. 05-0005-0009-0000-0000
329	MCLEROY COAL COMPANY	TAX MAP NO. 05-0005-0009-0001-0000
330	HEATHERINGTON ARDEN RAY	TAX MAP NO. 05-0002-0013-0001-0000
331	GATTS RICHARD L.	TAX MAP NO. 05-0008-0005-0000-0000
332	MILLER EDWIN C.	TAX MAP NO. 05-0008-0007-0000-0000
333	GATTS RICHARD L.	TAX MAP NO. 05-0008-0008-0000-0000
334	CONSOLIDATION COAL COMPANY	TAX MAP NO. 05-0002-0003-0000-0000
341	DELBURGGE EMERALD H JR.	TAX MAP NO. 05-0008-0003-0000-0000
342	BERISFORD BESSIE M. EST.	TAX MAP NO. 05-0008-0004-0000-0000
361	NIEMAN FRANCES E.	TAX MAP NO. 05-0008-0004-0001-0000
362	CLARK BEVERLY E.	TAX MAP NO. 05-0009-0001-0001-0000
363	RUCKMAN SHELDON R. ET. AL.	TAX MAP NO. 05-0009-0001-0004-0000
368	OHIO POWER COMPANY	TAX MAP NO. 05-0001-0022-0000-0000
379	ARRUDA JOHN F. ET. UX.	TAX MAP NO. 05-0005-0004-0001-0000
380	WV DIVISION OF NATURAL RESOURCES	NO ASSIGNED TRACT #
382	RUCKMAN MARVIN E. ET. UX.	TAX MAP NO. 05-0009-0001-0003-0000
383	MAXWELL WILLIAM L. SR. ET. UX.	TAX MAP NO. 05-0004-0015-0000-0000
384	HOLMAN TERRY L.	TAX MAP NO. 05-0004-0015-0000-0000
385	RUCKMAN MARVIN E.	TAX MAP NO. 05-0009-0001-0002-0000
386	MAXWELL WILLIAM JR.	TAX MAP NO. 05-0004-0015-0000-0000
387	HOLMAN TERRY L.	TAX MAP NO. 05-0004-0017-0000-0000

388	HOLSTINE BERNARD W. & ROXANN L.	TAX MAP NO. 05-0004-0014-0000-0000
389	HOLSTINE BERNARD W. & ROXANN L.	TAX MAP NO. 05-0004-0014-0002-0000
390	LEGG JAMES R. EST.	TAX MAP NO. 05-0003-0003-0000-0000
391	MCCLINTOCK DALE EDWARD	TAX MAP NO. 05-0003-0006-0000-0000
392	RUCKMAN JESSIE GLADYS - LIFE	TAX MAP NO. 05-0003-0001-0000-0000
393	LEGG JEFFERY L.	TAX MAP NO. 05-0003-0002-0001-0000
394	ANDERSON RHONDA MARIE	TAX MAP NO. 05-0004-0014-0001-0000
402	MCCLINTOCK DALE EDWARD	TAX MAP NO. 05-0003-0005-0000-0000
403	LEGG JAMES R EST	TAX MAP NO. 05-0009-0002-0000-0000
404	WHITE KENNETH E ET UX	TAX MAP NO. 05-0009-0002-0002-0000
405	ARNOLD LLOYD C & JUDITH C	TAX MAP NO. 05-0009-0005-0000-0000
406	FRANCIS JAMES EDWARD ET UX	TAX MAP NO. 05-0005-0006-0000-0000
407	DALLISON LUMBER CO	TAX MAP NO. 06-0002-0001-0000-0000
408	ARRICK DAVID H ET UX	TAX MAP NO. 05-0011-0004-0000-0000
409	RINE WALTER C	TAX MAP NO. 05-0011-0002-0000-0000
410	JACKSON JAMES B JR ET UX	TAX MAP NO. 05-0006-0009-0000-0000
411	WHITT PAUL	TAX MAP NO. 05-0011-0001-0005-0000
412	MOORE RANDYLYN ET AL	TAX MAP NO. 05-0011-0001-0000-0000
413	YOHO RONALD G ET AL	TAX MAP NO. 05-0007-0002-0000-0000
414	ROUPE WILLIAM N ET UX	TAX MAP NO. 05-0007-0003-0000-0000
415	GAMPSBELL BRUCE B	TAX MAP NO. 05-0007-0003-0001-0000
416	ARNOLD LLOYD C. & JUDITH C.	TAX MAP NO. 05-0009-0004-0000-0000
417	STOUT JAMES L.	TAX MAP NO. 05-0009-0007-0000-0000

Waterford District Park & Sub 198
200 Georgetown Drive
Sunday, PA 15143



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LEGEND
REFERENCE NUMBER
FOR SURFACE PARCEL
OWNERSHIP

100

FILE #: MND23 N-3H

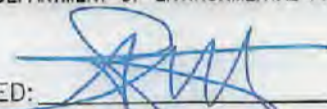
DRAWING #: MND23 N-3H

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. 2269



PLACE SEAL HERE

(+) 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: BIG TRIBBLE CREEK-OHIO RIVER
COUNTY/DISTRICT: MARSHALL / FRANKLIN

SURFACE OWNER: HG ENERGY II, APPALACHIA LLC.
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 / MARCELLUS
WELL OPERATOR: HG ENERGY II APPALACHIA, LLC
Address: 5280 DUPONT ROAD
City PARKERSBURG State WV Zip Code 26101



DATE: FEBRUARY 26, 2019

OPERATOR'S WELL #: MND23 N-3H

API WELL # 47 51 02409
STATE COUNTY PERMIT

ELEVATION: 1240'
QUADRANGLE: POWHATAN POINT, W. VA/OHIO
ACREAGE: 126.6
ACREAGE: 126.6

PAGE: 3 OF 4

09/17/2021

HQ Well Number	MPID	Current Lessee	Original Lessee	Surface Payor Code					
1	05-0004-0014-0000-0000	MILLER CHARLES W	CHEVRON USA INC	388			Cynthia P. Hopkins, as Trustee of the Cynthia P. Hopkins Revocable Trust	NOBLE ENERGY INC	
		PARSONS PAUL ET UX	CHEVRON USA INC				Elizabeth A. Strusbaugh and James R. Strusbaugh	NOBLE ENERGY INC	
		RUSSELL SHARON LYN	CHEVRON USA INC				Janet and John Blankenship	NOBLE ENERGY INC	
		HUFF TIMOTHY ET UX	CHEVRON USA INC				Jean C. Thomas	NOBLE ENERGY INC	
		ARNOLD LLOYD C ET UX	CHEVRON USA INC				Mary E. Bassett	NOBLE ENERGY INC	
		CRONIN MARY JO	CHEVRON USA INC				Robert B. and Violet Thomas	NOBLE ENERGY INC	
		KURPI, RICHARD ET UX	CHEVRON USA INC				Roger D. and Inken P. Rose	NOBLE ENERGY INC	
		CLIFTON CLARA MAE	CHEVRON USA INC				Ruth Ann and Furman F. Wallace	NOBLE ENERGY INC	
		EDWARDS GEORGE ET UX	CHEVRON USA INC				Ruth E. Bassett Meadows and D.W. Meadows Jr	NOBLE ENERGY INC	
		KYLE DONNA FAE	CHEVRON USA INC				NOBLE ENERGY INC	HG ENERGY II APPALACHIA, LLC	
		CONNER JUDITH MAY	CHEVRON USA INC				AEP Generation Resources Inc. and Kentucky Power Company	Noble Energy, Inc.	324
		SCHEIBELHOOD PAUL ET AL	AB RESOURCES LLC				NOBLE ENERGY INC	HG ENERGY II APPALACHIA, LLC	
		AB RESOURCES LLC	NPAR LLC				AEP Generation Resources Inc. and Kentucky Power Company	Noble Energy, Inc.	319
		NPAR LLC	Chevron USA INC				Consolidation Coal Company	CNX Gas Company, LLC	300
		Chevron USA INC	HG ENERGY II APPALACHIA, LLC				CNX Gas Company, LLC	Noble Energy, Inc.	
2	05-0009-0003-0000-0000	James Redman Legg II ET AL	Noble Energy, Inc.	390	10	05-0005-0006-0000-0000			
		Noble Energy, Inc.	CNX Gas Company, LLC				NOBLE ENERGY INC	HG ENERGY II APPALACHIA, LLC	
		CNX Gas Company, LLC	Noble Energy, Inc.				AEP Generation Resources Inc. and Kentucky Power Company	Noble Energy, Inc.	319
		NOBLE ENERGY INC	HG ENERGY II APPALACHIA, LLC				NOBLE ENERGY INC	HG ENERGY II APPALACHIA, LLC	
3	05-0009-0002-0001-0000	Jeffrey L. Legg	Noble Energy, Inc.	393			Consolidation Coal Company	CNX Gas Company, LLC	300
		Noble Energy, Inc.	CNX Gas Company, LLC				CNX Gas Company, LLC	Noble Energy, Inc.	
		CNX Gas Company, LLC	Noble Energy, Inc.				NOBLE ENERGY INC	HG ENERGY II APPALACHIA, LLC	
		NOBLE ENERGY INC	HG ENERGY II APPALACHIA, LLC				Margaret Games	CNX Gas Company, LLC	318
4	05-0009-0001-0000-0000, 05-0009-0001-0001-0000, 05-0009-0001-0002-0000, 05-0009-0001-0003-0000, 05-0009-0001-0004-0000	Jesal Gladys Ruckman Et Al	Noble Energy, Inc.	392, 362, 385, 382, 363		15	05-0005-0002-0000-0000		
		NOBLE ENERGY INC	HG ENERGY II APPALACHIA, LLC				Elizabeth Patterson	CNX Gas Company, LLC	
		NOBLE ENERGY INC	HG ENERGY II APPALACHIA, LLC				Charles J. Wiesner	CNX Gas Company, LLC	
5	05-0008-0007-0000-0000	Edwin C. Miller and Kimberly Ann Miller	Noble Energy, Inc.	332					
		Noble Energy, Inc.	CNX Gas Company, LLC						
		CNX Gas Company, LLC	Noble Energy, Inc.						
		Noble Energy, Inc.	HG ENERGY II APPALACHIA, LLC						
6	NO ASSIGNED TRACT #	WV Division of Natural Resources	Noble Energy, Inc.	380					
		NOBLE ENERGY INC	HG ENERGY II APPALACHIA, LLC						
7	05-0008-0006-0000-0000	Richard J. Getts	Chevron USA INC	333					
		Chevron USA INC	HG ENERGY II APPALACHIA, LLC						
8	05-0008-0005-0000-0000	Richard J. Getts	Chevron USA INC	331					
		Chevron USA INC	HG ENERGY II APPALACHIA, LLC						
		NOBLE ENERGY INC	HG ENERGY II APPALACHIA, LLC						
9	05-0005-0004-0000-0000	Barbara Kay Ewing and Wilber E. Ewing	NOBLE ENERGY INC	320					
		Charles Howard Bassett JR and Ruby D. Bassett	NOBLE ENERGY INC						

LEGEND
 ① REFERENCE NUMBER FOR MINERAL OWNERSHIP

FILE #: MND23 N-3H
 DRAWING #: MND23 N-3H
 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.: _____ L.L.S.: P.S. NO. 2269



(+) 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: BIG TRIBBLE CREEK-OHIO RIVER ELEVATION: 1240'
 COUNTY/DISTRICT: MARSHALL / FRANKLIN QUADRANGLE: POWHATAN POINT, W. VA./OHIO
 SURFACE OWNER: HG Energy II, Appalachia LLC. ACREAGE: 126.6
 OIL & GAS ROYALTY OWNER: CNX GAS COMPANY ACREAGE: 126.6

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 / MARCELLUS ESTIMATED DEPTH: TVD: 6,535' ± TMD: 15,831' ±
 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



DATE: FEBRUARY 25, 2019
 OPERATOR'S WELL #: MND23 N-3H
 API WELL # 47 51 02409
 STATE COUNTY PERMIT
 PAGE: 4 OF 4

09/17/2021