



Waterloo Corporate Park II, Scale 10' P: 7244441100
2900 Independence Drive F: 7244441104
Sandy, WV 26104 www.pve.com

PVE

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

FILE #: MND11 N-1H

DRAWING #: MND11 N-1H

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

DATE: MARCH 7, 2019 - REV JUNE 12, 2019

OPERATOR'S WELL #: MND11 N-1H

API WELL # 47 51 02211 064

STATE COUNTY PERMIT

PLACE SEAL HERE

(1) 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: 1,234'

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: 15,033' ±

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



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, are based on record deed descriptions, field evidence found and/or tax map position, unless otherwise noted.

Bottom Hole is located on topo map 14,730 feet south of Latitude: 39° 52' 30"

Well is located on topo map 5,914 feet south of Latitude: 39° 50' 00"

Bottom Hole is located on topo map 7,892 feet west of Longitude: 80° 45' 00"
 Well is located on topo map 3,639 feet west of Longitude: 80° 45' 00"

SURFACE HOLE LOCATION (SHL)

UTM 17 - NAD83(m)
 N: 4407484.30
 E: 520288.50
 UTM 17 - NAD83(ft)
 N: 14460221.48
 E: 1706979.97
 LAT/LON DATUM-NAD83
 LAT: 39.817100
 LON: -80.762949

APPROX. LANDING POINT

UTM 17 - NAD83(m)
 N: 4407456.60
 E: 520432.8
 UTM 17 - NAD83(ft)
 N: 14460130.47
 E: 1707453.23
 LAT/LON DATUM-NAD83
 LAT: 39.816847
 LON: -80.761264

BOTTOM HOLE LOCATION

UTM 17 - NAD83(m)
 N: 4409419.60
 E: 518987.80
 UTM 17 - NAD83(ft)
 N: 14466570.88
 E: 1702712.34
 LAT/LON DATUM-NAD83
 LAT: 39.834567
 LON: -80.778091



West Virginia Certificate No. 11 Date 10/1
 2009 Georgetown Drive
 Beverly, PA 15224

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



Civil Engineering | Land Development | Structures 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

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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: MARCH 7, 2019 Rev. JUNE 12, 2019

OPERATOR'S WELL #: MND11 N-1H

API WELL # 47 51 02211 H6A
 STATE COUNTY PERMIT

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

PAGE: 2 OF 4

WATERSHED: SHORT CREEK-OHIO RIVER ELEVATION: 1,234'

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

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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

168	MCCLINTOCK DALE ET. UX	TAX MAP NO. 05-0004-0013-0000-0000
169	FRANKLIN REAL ESTATE CO	TAX MAP NO. 05-0004-0015-0000-0000
170	FRANKLIN REAL ESTATE CO	TAX MAP NO. 05-0004-0001-0000-0000
171	AEP GENERATION RESOURCES INC	TAX MAP NO. 05-0002-0013-0005-0000
172	TEXAS EASTERN TRANSMISSION	TAX MAP NO. 05-0002-0013-0000-0000
173	FASOULETOS ANDREW M. ET. AL	TAX MAP NO. 05-0002-0009-0000-0000
182	FRANKLIN REAL ESTATE CO	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, ET. AL	TAX MAP NO. 05-0002-0012-0000-0000
185	HARTLEY PEGGY S.	TAX MAP NO. 05-0002-0013-0004-0000
186	POTTS JAMES D. ET. UX	TAX MAP NO. 05-0002-0011-0000-0000
187	HEATHERINGTON ARDEN RAY	TAX MAP NO. 05-0002-0013-0002-0000
188	POTTS JAMES D. ET. UX	TAX MAP NO. 05-0002-0010-0000-0000
192	BARNHART THOMAS K. ET. UX	TAX MAP NO. 05-0002-0008-0000-0000
193	CONSOLIDATION COAL COMPANY, ET AL	TAX MAP NO. 05-0002-0005-0000-0000
197	AEP GENERATION RESOURCES INC.	TAX MAP NO. 05-0004-0002-0000-0000
198	SOUTHERN COUNTRY FARMS INC.	TAX MAP NO. 05-0004-0003-0000-0000
220	MORRIS FRED H. ET. UX	TAX MAP NO. 05-0004-0009-0000-0000
221	DIMITRO JAMES D.	TAX MAP NO. 05-0004-0010-0000-0000
300	OHIO POWER CO.	TAX MAP NO. 05-0005-0003-0000-0000
318	CONSOLIDATION COAL COMPANY	TAX MAP NO. 05-0005-0002-0000-0000
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	MCELROY 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. 05-0005-0008-0000-0000
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
382	RUCKMAN MARVIN E. ET. UX.	TAX MAP NO. 05-0009-0001-0003-0000
383	MAXWELL WILLIAM L. SR. ET. UX.	TAX MAP NO. 05-0004-0018-0000-0000
384	HOLMAN TERRY L.	TAX MAP NO. 05-0004-0016-0000-0000
385	RUCKMAN MARVIN E.	TAX MAP NO. 05-0009-0001-0002-0000
386	MAXWELL WILLIAM JR.	TAX MAP NO. 05-0004-0019-0000-0000
387	HOLMAN TERRY L.	TAX MAP NO. 05-0004-0017-0000-0000
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. 05-0009-0003-0000-0000
391	MCCLINTOCK DALE EDWARD	TAX MAP NO. 05-0009-0006-0000-0000
392	RUCKMAN JESSIE GLADYS - LIFE	TAX MAP NO. 05-0009-0001-0000-0000
393	LEGG JEFFERY L.	TAX MAP NO. 05-0009-0002-0001-0000
394	ANDERSON RHONDA MARIE	TAX MAP NO. 05-0004-0014-0001-0000

Waterford Corporate Park, Bldg Suite 101
 4030 Georgetown Drive
 Salisbury, PA 17133

P: 724-444-1100
 F: 724-444-1104
 WWW.PVE.COM



Civil Engineering | Land Development | Structure Design
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LEGEND	
100	REFERENCE NUMBER FOR SURFACE PARCEL OWNERSHIP

FILE #: MND11 N-1H
 DRAWING #: MND11 N-1H
 SCALE: 1"=2000'
 MINIMUM DEGREE OF ACCURACY: 1/2500
 PROVEN SOURCE OF ELEVATION: U.S.G.S. MONUMENT H 138: 638.58'

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



DATE: MARCH 7, 2019 - REV JUNE 12, 2019
 OPERATOR'S WELL #: MND11 N-1H
 API WELL # 47 51 D2211 H6A
 STATE COUNTY PERMIT

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

PAGE: 3 OF 4

WATERSHED: SHORT CREEK-OHIO RIVER ELEVATION: 1,234'
 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

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TARGET FORMATION: POINT PLEASANT / MARCELLUS ESTIMATED DEPTH: TVD: 6,535' ± TMD: 15,033' ±
 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

Parcel Number	MPID	Original Lessor	Original Lessee	Surface Parcel Code	Well ID	Operator	Permit
①	05-0004-0014-0000-0000 05-0004-0014-0001-0000 05-0004-0014-0002-0000	MILLER CHARLES W	CHEVRON USA INC	388, 389, 394	⑥	AEP Generation Resources Inc. and Kentucky Power Company	Noble Energy, Inc.
		PARSONS PAUL ET UX	CHEVRON USA INC			NOBLE ENERGY INC	HG ENERGY II APPALACHIA, LLC
		RUSSELL SHARON LYN	CHEVRON USA INC				
		HUFF TIMOTHY ET UX	CHEVRON USA INC				
		ARNOLD LLOYD C ET UX	CHEVRON USA INC		⑦	WestBanco Trust & Investment Services, a Division of WestBanco, Inc. Trustee of the John T. Gallagher Scholarship Trust	NOBLE ENERGY INC
		CRONIN MARY JO	CHEVRON USA INC			Consolidation Coal Company	CNX Gas Company, LLC
		KURPIE RICHARD ET UX	CHEVRON USA INC			CNX Gas Company, LLC	Noble Energy, Inc.
		CLIFTON CLARA MAE	CHEVRON USA INC			NOBLE ENERGY INC	HG ENERGY II APPALACHIA, LLC
		EDWARDS GEORGE ET UX	CHEVRON USA INC				
		KYLE DONNA FAE	CHEVRON USA INC				
		CONNOR JUDITH MAY	CHEVRON USA INC				
		SCHIBELHOOD PAUL ET AL	AB RESOURCES LLC				
		AB RESOURCES LLC	NPAR LLC				
		NPAR LLC	Chevron USA INC				
		Chevron USA INC	HG ENERGY II APPALACHIA, LLC				
②	05-0004-0016-0000-0000	Terry Holman	TriEnergy Holdings	384			
		TriEnergy Holdings	Chevron USA INC				
		Chevron USA INC	HG ENERGY II APPALACHIA, LLC				
③	05-0004-0015-0000-0000	AEP Generation Resources Inc. and Kentucky Power Company	Noble Energy, Inc.	169			
		NOBLE ENERGY INC	HG ENERGY II APPALACHIA, LLC				
④	05-0005-0012-0000-0000	AEP Generation Resources Inc. and Kentucky Power Company	Noble Energy, Inc.	182			
		NOBLE ENERGY INC	HG ENERGY II APPALACHIA, LLC				
⑤	05-0005-0011-0000-0000	AEP Generation Resources Inc. and Kentucky Power Company	Noble Energy, Inc.	183			
		NOBLE ENERGY INC	HG ENERGY II APPALACHIA, LLC				



LEGEND
① REFERENCE NUMBER FOR MINERAL OWNERSHIP

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 Gas Liquid Injection Storage Shallow

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 STATE COUNTY PERMIT

ESTIMATED DEPTH: TVD: 6,535' ± TMD: 15,033' ±
 DESIGNATED AGENT: DIANE C. WHITE
 Address: 5260 DUPONT ROAD
 City PARKERSBURG State WV Zip Code 26101