

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°

LINE TABLE

LINE	BEARING	DISTANCE
R1	S15°34'58"W	45.00'
R2	N75°17'52"W	188.02'
R3	N20°19'49"E	114.76'
R4	S83°40'28"W	2451.94'
R5	S60°27'32"W	2765.98'
R6	N01°36'10"W	1094.04'

Waterford Corporate Park III, Suite 101
 2000 Georgetown Drive
 Sewickley, PA 15143

P: 724-444-1100
 F: 724-444-1194
 www.pve-llc.com

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

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: 15,631' ±

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

DATE: FEBRUARY 26, 2019

OPERATOR'S WELL #: MND23 N-3H

API WELL # 47 51 02231HG A
 STATE COUNTY PERMIT

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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. 05-0009-0009-0000-0000
303	CONSOLIDATION COAL COMPANY	TAX MAP NO. 05-0006-0001-0000-0000	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. 05-0006-0010-0000-0000	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	YOHU 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. 05-0006-0004-0000-0000	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. 05-0006-0002-0000-0000	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. 05-0006-0001-0000-0000			
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	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. 05-0008-0008-0000-0000			
334	CONSOLIDATION COAL COMPANY	TAX MAP NO. 05-0002-0003-0000-0000			
341	DELBRUGGE 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	VW DIVISION OF NATURAL RESOURCES				
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			

Waterfront Corporate Park III, Suite 101
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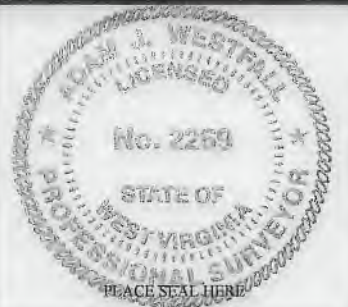
Civil Engineering | Land Development | Structure Design
Land Planning | Landscape Architecture | Environmental

LEGEND	
100	REFERENCE NUMBER FOR SURFACE PARCEL OWNERSHIP

FILE #: MND23 N-3H
DRAWING #: MND23 N-3H
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 Gas Liquid Injection Storage Shallow

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