

SURFACE HOLE LOCATION (SHL)

UTM 17 - NAD83(m)
N: 4407225.58
E: 520038.45

UTM 17 - NAD83(ft)
N: 14459372.59
E: 1706159.49

LAT/LON DATUM-NAD83
LAT: 39.814775
LON: -80.765878

APPROX. LANDING POINT

UTM 17 - NAD83(m)
N: 4406776.48
E: 519514.13

UTM 17 - NAD83(ft)
N: 14457899.17
E: 1704439.28

LAT/LON DATUM-NAD83
LAT: 39.810741
LON: -80.772016

BOTTOM HOLE LOCATION

UTM 17 - NAD83(m)
N: 4408837.67
E: 517996.86

UTM 17 - NAD83(ft)
N: 14464661.59
E: 1699461.36

LAT/LON DATUM-NAD83
LAT: 39.829345
LON: -80.789687

FILE #: MND23 N-2H

DRAWING #: MND23 N-2H

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

Waterfront Corporate Park III, Suite 101
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Savitsley, PA 15189

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F: 724-444-1104
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ADAM J. WESTFALL
LICENSED
No. 2269
STATE OF WEST VIRGINIA
PROFESSIONAL SURVEYOR
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 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

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-2H

API WELL # 47 51 0223046A

STATE COUNTY PERMIT

ESTIMATED DEPTH TVD: 6,535' ± TMD: 15,875' ±

DESIGNATED AGENT: DIANE C. WHITE

Address: 5260 DUPONT ROAD


City PARKERSBURG State WV Zip Code 26101

PAGE: 1 OF 4

Bottom Hole is located on topo map 1,453 feet south of Latitude: 39° 50' 00"

Well is located on topo map 6,760 feet south of Latitude: 39° 50' 00"

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.

Bottom Hole is located on topo map 11,146 feet west of Longitude: 80° 45' 00"
 Well is located on topo map 4,460 feet west of Longitude: 80° 45' 00"

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



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

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 NORTH ZONE

LEGEND

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

FILE #: MND23 N-2H


DRAWING #: MND23 N-2H

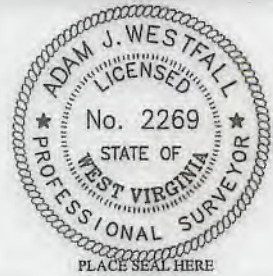
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(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS WVDEP OFFICE OF OIL & GAS 601 57TH STREET CHARLESTON, WV 25304



DATE: FEBRUARY 26, 2019

OPERATOR'S WELL #: MND23 N-2H

API WELL # 47 51 0223046A
 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: 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: 15,875' ±

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

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
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. 05-0005-0011-0000-0000
299	CONSOLIDATION COAL COMPANY	TAX MAP NO. 05-0007-0005-0000-0000
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. 05-0005-0005-0000-0000
303	CONSOLIDATION COAL COMPANY	TAX MAP NO. 05-0005-0001-0000-0000
304	CONSOLIDATION COAL COMPANY	TAX MAP NO. 05-0001-0016-0000-0000
305	CONSOLIDATION COAL COMPANY	TAX MAP NO. 05-0001-0013-0000-0000
306	OHIO POWER CO.	TAX MAP NO. 05-0005-0010-0000-0000
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. 05-0005-0004-0000-0000
313	CONSOLIDATION COAL COMPANY	TAX MAP NO. 05-0009-0002-0000-0000
314	CONSOLIDATION COAL COMPANY	TAX MAP NO. 05-0002-0002-0000-0000
315	CONSOLIDATION COAL COMPANY	TAX MAP NO. 05-0002-0001-0000-0000
316	CONSOLIDATION COAL COMPANY	TAX MAP NO. 05-0005-0001-0000-0000
317	CONSOLIDATION COAL COMPANY	TAX MAP NO. 05-0005-0002-0000-0000
318	CONSOLIDATION COAL COMPANY	TAX MAP NO. 05-0005-0003-0000-0000
319	OHIO POWER CO.	TAX MAP NO. 05-0005-0004-0000-0000
320	SANCHEZ GENEVA BASSETT	TAX MAP NO. 05-0005-0005-0000-0000
322	ROBBINS JAMES E & DIANA C	TAX MAP NO. 05-0003-0003-0001-0000
323	MCGINNIS TIMOTHY L SR ET UX.	TAX MAP NO. 05-0005-0005-0000-0000
324	OHIO POWER CO.	TAX MAP NO. 05-0005-0007-0000-0000
325	FRANKLIN REAL ESTATE CO.	TAX MAP NO. 05-0005-0006-0000-0000
326	FRANKLIN REAL ESTATE CO.	TAX MAP NO. 05-0005-0009-0000-0000
327	FRANKLIN REAL ESTATE CO.	TAX MAP NO. 05-0005-0009-0001-0000
329	MCELROY COAL COMPANY	TAX MAP NO. 05-0002-0013-0001-0000
330	HEATHERINGTON ARDEN RAY	TAX MAP NO. 05-0008-0005-0000-0000
331	GATTS RICHARD L. - LIFE	TAX MAP NO. 05-0009-0007-0000-0000
332	MILLER EDWIN C.	TAX MAP NO. 05-0009-0005-0000-0000
333	GATTS RICHARD L.	TAX MAP NO. 05-0002-0003-0000-0000
334	CONSOLIDATION COAL COMPANY	TAX MAP NO. 05-0008-0003-0000-0000
341	DELBURGE EMERALD H JR.	TAX MAP NO. 05-0009-0004-0000-0000
342	BERISFORD BESSIE M. EST.	TAX MAP NO. 05-0008-0004-0001-0000
361	NIEMAN FRANCES E.	TAX MAP NO. 05-0009-0001-0001-0000
362	CLARK BEVERLY E.	TAX MAP NO. 05-0009-0001-0004-0000
363	RUCKMAN SHELDON R. ET. AL.	TAX MAP NO. 05-0001-0022-0000-0000
368	OHIO POWER COMPANY	TAX MAP NO. 05-0005-0004-0001-0000
379	ARRUDA JOHN F. ET. UX.	NO ASSIGNED TRACT #
380	WV DIVISION OF NATURAL RESOURCES	TAX MAP NO. 05-0009-0001-0003-0000
382	RUCKMAN MARVIN E. ET. UX.	TAX MAP NO. 05-0004-0015-0000-0000
383	MAXWELL WILLIAM L. SR. ET. UX.	TAX MAP NO. 05-0004-0016-0000-0000
384	HOLMAN TERRY L.	TAX MAP NO. 05-0009-0001-0002-0000
385	RUCKMAN MARVIN E.	TAX MAP NO. 05-0004-0019-0000-0000
386	MAXWELL WILLIAM JR.	TAX MAP NO. 05-0004-0017-0000-0000
387	HOLMAN TERRY L.	

388	HOLSTINE BERNARD W. & ROXANN L.
389	HOLSTINE BERNARD W. & ROXANN L.
390	LEGG JAMES R. EST.
391	MCCLINTOCK DALE EDWARD
392	RUCKMAN JESSIE GLADYS - LIFE
393	LEGG JEFFERY L.
394	ANDERSON RHONDA MARIE
402	MCCLINTOCK DALE EDWARD
403	LEGG JAMES R EST
404	WHITE KENNETH E ET UX
405	ARNOLD LLOYD C & JUDITH C
406	FRANCIS JAMES EDWARD ET UX
407	DALLISON LUMBER CO
408	ARRICK DAVID H ET UX
409	RINE WALTER C
410	JACKSON JAMES B JR ET UX
411	WHITT PAUL
412	MOORE RANDYLYN ET AL
413	YDHO RONALD G ET AL
414	ROUPE WILLIAM N ET UX
415	CAMPBELL BRUCE S

TAX MAP NO. 05-0004-0014-0000-0000
TAX MAP NO. 05-0004-0014-0002-0000
TAX MAP NO. 05-0009-0003-0000-0000
TAX MAP NO. 05-0009-0005-0000-0000
TAX MAP NO. 05-0009-0001-0000-0000
TAX MAP NO. 05-0009-0002-0001-0000
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TAX MAP NO. 05-0007-0032-0000-0000
TAX MAP NO. 05-0007-0031-0000-0000
TAX MAP NO. 05-0007-0031-0001-0000

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LEGEND

100 REFERENCE NUMBER FOR SURFACE PARCEL OWNERSHIP

FILE #: MND23 N-2H

DRAWING #: MND23 N-2H

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



DATE: FEBRUARY 26, 2019

OPERATOR'S WELL #: MND23 N-2H

API WELL # 47 51 02230 HGA
STATE COUNTY PERMIT

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

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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

HG Plot Number	MPIID	Original Lessor	Original Lessee	Surface Parcel Code
1	05-0004-0014-0000-0000	MILLER CHARLES W	CHEVRON USA INC	38B
		PARSONS PAUL ET UX	CHEVRON USA INC	
		RUSSELL SHARON LYN	CHEVRON USA INC	
		HUFF TIMOTHY ET UX	CHEVRON USA INC	
		ARNOLD LLOYD C ET UX	CHEVRON USA INC	
		CRONIN MARY JO	CHEVRON USA INC	
		KURPIL RICHARD ET UX	CHEVRON USA INC	
		CLIFTON CLARA MAE	CHEVRON USA INC	
		EDWARDS GEORGE ET UX	CHEVRON USA INC	
		KYLE DONNA FAE	CHEVRON USA INC	
		CONNER JUDITH MAY	CHEVRON USA INC	
		SCHEIBELHOOD 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	05-0009-0001-0000-0000, 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, 368
		NOBLE ENERGY INC	HG ENERGY II APPALACHIA, LLC	
3	05-0009-0002-0001-0000	Jeffrey L. Legg	Noble Energy, Inc.	393
		Noble Energy, Inc.	CNX Gas Company, LLC	
		CNX Gas Company, LLC	Noble Energy, Inc.	
		NOBLE ENERGY INC	HG ENERGY II APPALACHIA, LLC	
4	05-0009-0002-0000-0000	James Redman Legg II ET AL	Noble Energy, Inc.	403
		Noble Energy, Inc.	CNX Gas Company, LLC	
		CNX Gas Company, LLC	Noble Energy, Inc.	
		NOBLE ENERGY INC	HG ENERGY II APPALACHIA, 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	05-0008-0005-0000-0000	Richard J. Gatts	Chevron USA INC	331
		Chevron USA INC	HG ENERGY II APPALACHIA, LLC	
		NOBLE ENERGY INC	HG ENERGY II APPALACHIA, LLC	
8	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	

		Cynthia P. Hopkins, as Trustee of the Cynthia P. Hopkins Revocable Trust	NOBLE ENERGY INC	
		Elizabeth A. Strusbaugh and James R. Strusbaugh	NOBLE ENERGY INC	
		Janet and John Blankenship	NOBLE ENERGY INC	
		Jean C. Thomas	NOBLE ENERGY INC	
		Mary E. Bassett	NOBLE ENERGY INC	
		Robert B. and Violet Thomas	NOBLE ENERGY INC	
		Roger B. and Inken P. Rose	NOBLE ENERGY INC	
		Ruth Ann and Furman F. Wallace	NOBLE ENERGY INC	
		Ruth E. Bassett Meadows and O.W. Meadows Jr	NOBLE ENERGY INC	
		NOBLE ENERGY INC	HG ENERGY II APPALACHIA, LLC	
		Geneva Bassett Sanchez	Chevron USA INC	
		Chevron USA INC	HG ENERGY II APPALACHIA, LLC	
9	05-0005-0003-0000-0000	AEP Generation Resources Inc. and Kentucky Power Company	Noble Energy, Inc.	319
		NOBLE ENERGY INC	HG ENERGY II APPALACHIA, LLC	
10	05-0006-0003-0000-0000	Consolidation Coal Company	CNX Gas Company, LLC	300
		CNX Gas Company, LLC	Noble Energy, Inc.	
		NOBLE ENERGY INC	HG ENERGY II APPALACHIA, LLC	
11	05-0009-0002-0000-0000	James Redman Legg II ET AL	Noble Energy, Inc.	318
		Noble Energy, Inc.	CNX Gas Company, LLC	
		CNX Gas Company, LLC	Noble Energy, Inc.	
		NOBLE ENERGY INC	HG ENERGY II APPALACHIA, LLC	

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LEGEND
1 REFERENCE NUMBER FOR MINERAL OWNERSHIP

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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-2H
API WELL # 47 51 0223046A
STATE COUNTY PERMIT

PAGE: 4 OF 4

ESTIMATED DEPTH: TVD: 6,535' ± TMD: 15,875' ±
DESIGNATED AGENT: DIANE C. WHITE
Address: 5260 DUPONT ROAD
City PARKERSBURG State WV Zip Code 26101