



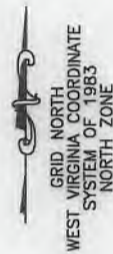
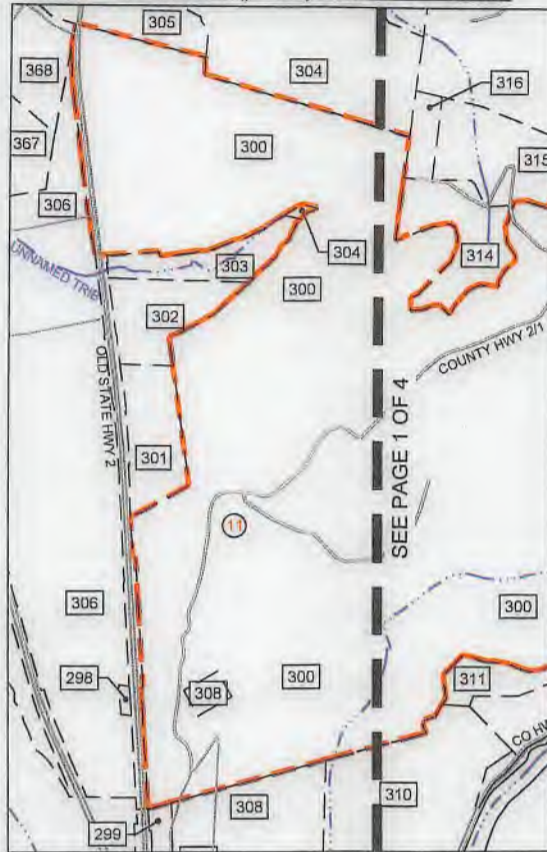
NOTES:

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.

Bottom Hole is located on topo map 159 feet south of Latitude: 39° 50' 00"  
 Well is located on topo map 6,717 feet south of Latitude: 39° 50' 00"

Bottom Hole is located on topo map 9,304 feet west of Longitude: 80° 45' 00"  
 Well is located on topo map 4,449 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: 4407238.85  
 E: 520041.91  
 UTM 17 - NAD83(ft)  
 N: 14459416.14  
 E: 1706170.84  
 LAT/LON DATUM-NAD83  
 LAT: 39.814894°  
 LON: -80.765838°

APPROX. LANDING POINT

UTM 17 - NAD83(m)  
 N: 4407177.59  
 E: 520070.44  
 UTM 17 - NAD83(ft)  
 N: 14459215.14  
 E: 1706264.44  
 LAT/LON DATUM-NAD83  
 LAT: 39.814342°  
 LON: -80.765506°

BOTTOM HOLE LOCATION

UTM 17 - NAD83(m)  
 N: 4409233.41  
 E: 518557.12  
 UTM 17 - NAD83(ft)  
 N: 14465959.96  
 E: 1701299.47  
 LAT/LON DATUM-NAD83  
 LAT: 39.832899°  
 LON: -80.783129°

Waterfront Corporate Park III, Suite 101  
 2050 Georgetown Drive  
 Sparksley, PA 15143  
 P: 724-444-1100  
 F: 724-444-1104  
 www.pve-llc.com



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 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-5H  
 DRAWING #: MND23 N-5H  
 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



DATE: FEBRUARY 26, 2019  
 OPERATOR'S WELL #: MND23 N-5H  
 API WELL # 47 51 02213 H4A  
 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

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: 15,370' ±  
 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	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
170	FRANKLIN REAL ESTATE CO.	TAX MAP NO. 05-0004-0001-0000-0000	390	LEGG JAMES R. EST.	TAX MAP NO. 05-0009-0003-0000-0000
182	CONSOLIDATION COAL COMPANY	TAX MAP NO. 05-0005-0012-0000-0000	391	MCCLINTOCK DALE EDWARD	TAX MAP NO. 05-0009-0006-0000-0000
183	FRANKLIN REAL ESTATE CO.	TAX MAP NO. 05-0005-0011-0000-0000	392	RUCKMAN JESSIE GLADYS - LIFE	TAX MAP NO. 05-0009-0001-0000-0000
184	CONSOLIDATION COAL COMPANY	TAX MAP NO. 05-0002-0012-0000-0000	393	LEGG JEFFERY L.	TAX MAP NO. 05-0009-0002-0001-0000
193	CONSOLIDATION COAL COMPANY	TAX MAP NO. 05-0002-0005-0000-0000	394	ANDERSON RHONDA MARIE	TAX MAP NO. 05-0004-0014-0001-0000
220	MORRIS FRED H ET UX	TAX MAP NO. 05-0004-0009-0000-0000	402	MCCLINTOCK DALE EDWARD	TAX MAP NO. 05-0009-0005-0000-0000
298	CONSOLIDATION COAL COMPANY	TAX MAP NO. 05-0006-0011-0000-0000	403	LEGG JAMES R EST	TAX MAP NO. 05-0009-0002-0000-0000
299	CONSOLIDATION COAL COMPANY	TAX MAP NO. 05-0007-0003-0000-0000	404	WHITE KENNETH E ET UX	TAX MAP NO. 05-0009-0002-0002-0000
300	OHIO POWER CO.	TAX MAP NO. 05-0006-0003-0000-0000	405	ARNOLD LLOYD C & JUDITH C	TAX MAP NO. 05-0009-0035-0000-0000
301	CONSOLIDATION COAL COMPANY	TAX MAP NO. 05-0008-0005-0000-0000	416	ARNOLD LLOYD C. & JUDITH C.	TAX MAP NO. 05-0009-0041-0000-0000
302	CONSOLIDATION COAL COMPANY	TAX MAP NO. 05-0006-0006-0000-0000	417	STOUT JAMES L.	TAX MAP NO. 05-0009-0007-0000-0000
303	CONSOLIDATION COAL COMPANY	TAX MAP NO. 05-0008-0001-0000-0000			
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. 05-0006-0010-0000-0000			
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. 05-0006-0002-0000-0000			
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	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. 05-0008-0006-0000-0000			
334	CONSOLIDATION COAL COMPANY	TAX MAP NO. 05-0002-0003-0000-0000			
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			
368	OHIO POWER COMPANY	TAX MAP NO. 05-0001-0022-0000-0000			
380	WV DIVISION OF NATURAL RESOURCES	REFERENCE NO. Q-091980000			
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. 05-0004-0018-0000-0000			
387	HOLMAN TERRY L.	TAX MAP NO. 05-0004-0017-0000-0000			

Waldford Corporate Park III, Suite 101  
2009 Georgetown Drive  
Sewickley, PA 15143

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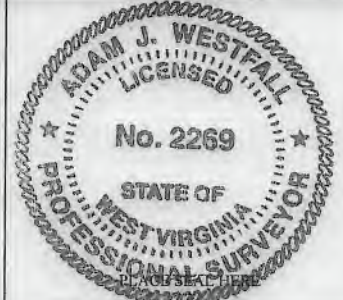
LEGEND

100 REFERENCE NUMBER FOR SURFACE PARCEL OWNERSHIP

FILE #: MND23 N-5H  
DRAWING #: MND23 N-5H  
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: [Signature]  
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 26, 2019  
OPERATOR'S WELL #: MND23 N-5H  
API WELL # 47 51 02213 H49  
STATE COUNTY PERMIT

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

PAGE: 3 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

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: 15,370' ±  
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 Plat Number	MPID	Original Lessor	Original Lessee	Surface Parcel Code
1	05-0004-0014-0000-0000	MILLER CHARLES W	CHEVRON USA INC	388
		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	
		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	05-0009-0003-0000-0000	James Redman Legg II ET AL	Noble Energy, Inc.	390
		Noble Energy, Inc.	CNX Gas Company, LLC	
		CNX Gas Company, LLC	Noble Energy, Inc.	
		NOBLE ENERGY INC	HG ENERGY II APPALACHIA, LLC	
3	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
		NOBLE ENERGY INC	HG ENERGY II APPALACHIA, LLC	
4	05-0004-0016-0000-0000	Terry Holman	TriEnergy Holdings	384
		TriEnergy Holdings	Chevron USA INC	
		Chevron USA INC	HG ENERGY II APPALACHIA, LLC	
5	05-0004-0017-0000-0000	Terry Holman	TriEnergy Holdings	387
		TriEnergy Holdings	Chevron USA INC	
		Chevron USA INC	HG ENERGY II APPALACHIA, LLC	
6	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	
7	05-0005-0006-0000-0000	AEP Generation Resources Inc. and Kentucky Power Company	Noble Energy, Inc.	324
		NOBLE ENERGY INC	HG ENERGY II APPALACHIA, LLC	
8	05-0005-0007-0000-0000	AEP Generation Resources Inc. and Kentucky Power Company	Noble Energy, Inc.	325

		NOBLE ENERGY INC	HG ENERGY II APPALACHIA, LLC	
9	05-0005-0009-0000-0000	AEP Generation Resources Inc. and Kentucky Power Company	Noble Energy, Inc.	327
		NOBLE ENERGY INC	HG ENERGY II APPALACHIA, LLC	
10	05-0005-0009-0001-0000	Consolidation Coal Company	CNX Gas Company, LLC	329
		CNX Gas Company, LLC	Noble Energy, Inc.	
		NOBLE ENERGY INC	HG ENERGY II APPALACHIA, LLC	
11	05-0006-0003-0000-0000	Consolidation Coal Company	CNX Gas Company, LLC	300
	05-0005-0001-0000-0000	CNX Gas Company, LLC	Noble Energy, Inc.	
		NOBLE ENERGY INC	HG ENERGY II APPALACHIA, LLC	
12	05-0005-0002-0000-0000	Margaret Games	CNX Gas Company, LLC	318
		Elizabeth Patterson	CNX Gas Company, LLC	
		Charles J. Wiesner	CNX Gas Company, LLC	
		John Wiesner	CNX Gas Company, LLC	
		Kenneth Schmitt	CNX Gas Company, LLC	
		Mary Ellen Sedon	CNX Gas Company, LLC	
		Alfred Kaczorowski, Jr., & Sharon M. Kaczorowski, his wife	CNX Gas Company, LLC	
		CNX Gas Company, LLC	Noble Energy, Inc.	
		NOBLE ENERGY INC	HG ENERGY II APPALACHIA, LLC	

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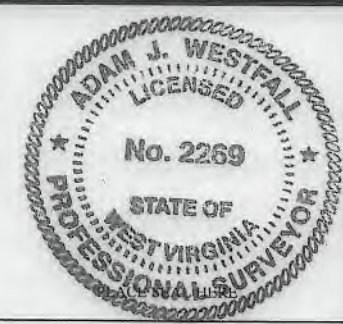
LEGEND	
1	REFERENCE NUMBER FOR MINERAL OWNERSHIP

FILE #: MND23 N-5H  
DRAWING #: MND23 N-5H  
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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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 26, 2019  
OPERATOR'S WELL #: MND23 N-5H  
API WELL # 47 51 02213 H44  
STATE COUNTY PERMIT

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

PAGE: 3 OF 4

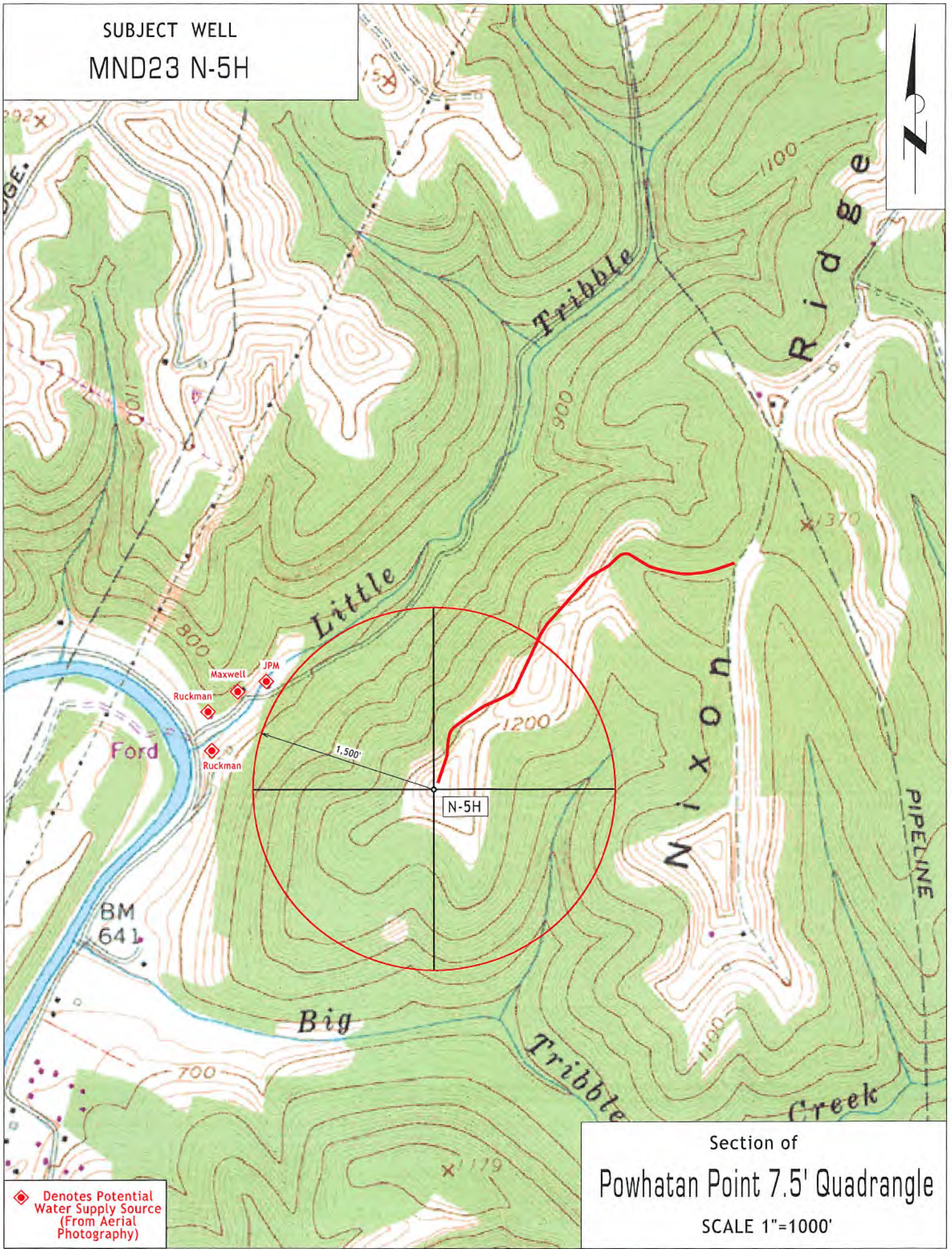
WATERSHED: BIG TRIBBLE CREEK-OHIO RIVER ELEVATION: 1240'  
COUNTY/DISTRICT: MARSHALL / FRANKLIN QUADRANGLE: POWHATAN POINT, W. VA./OHIO

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DRILL  CONVERT  DRILL DEEPER  REDRILL  FRACTURE OR STIMULATE   
PLUG OFF OLD FORMATION  PERFORATE NEW FORMATION  PLUG AND ABANDON   
CLEAN OUT & REPLUG  OTHER CHANGE  (SPECIFY)

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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

SUBJECT WELL  
MND23 N-5H



◆ Denotes Potential  
Water Supply Source  
(From Aerial  
Photography)

Section of  
Powhatan Point 7.5' Quadrangle  
SCALE 1"=1000'