

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.

LEGEND	
	PROPOSED WELL
	WATER SOURCE
	REFERENCE NUMBER FOR SURFACE PARCEL OWNERSHIP
	REFERENCE NUMBER FOR MINERAL OWNERSHIP
	ALL ARE POINTS UNLESS OTHERWISE NOTED
	MINERAL TRACT BOUNDARY
	PARCEL LINES
	PROPOSED HORIZONTAL WELL
	WELL REFERENCE
	STREAM/WATERWAY
	ROAD
	BUFFER LINE
	EXISTING GAS WELL

SURFACE HOLE LOCATION (SHL)	
UTM 17 - NAD83(m)	N: 4407496.80
	E: 520294.30
UTM 17 - NAD83(ft)	N: 14460262.36
	E: 1706998.79
LAT/LON DATUM-NAD83	
	LAT: 39.817212
	LOX: -80.762881

APPROX. LANDING POINT	
UTM 17 - NAD83(m)	N: 4407958.80
	E: 520914.70
UTM 17 - NAD83(ft)	N: 14461778.17
	E: 1709034.20
LAT/LON DATUM-NAD83	
	LAT: 39.821360
	LOX: -80.755618

BOTTOM HOLE LOCATION	
UTM 17 - NAD83(m)	N: 4409777.00
	E: 519576.30
UTM 17 - NAD83(ft)	N: 14467743.34
	E: 1704643.15
LAT/LON DATUM-NAD83	
	LAT: 39.837774
	LOX: -80.771202

GRID NORTH
WEST VIRGINIA COORDINATE
SYSTEM OF 1983
NORTH ZONE

LINE TABLE		
LINE	BEARING	DISTANCE
R1	N69°25'20"E	365.81'
R2	S26°17'44"W	860.44'
R3	N09°36'58"W	206.04'
R4	N69°33'51"W	1693.23'
R5	S72°06'22"W	1635.18'

REFERENCE DETAIL: NTS



Waterford Corporate Park III, Suite 101
7000 Georgetown Drive
Beverly Hills, CA 91615

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



Civil Engineering | Land Development | Site/Structural Design
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**WATER WELLS:
NONE FOUND**

FILE # MND11 N-4H
DRAWING # MND11 N-4H
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: MARCH 7, 2019 Rev. JUNE 12, 2019
OPERATOR'S WELL #: MND11 N-4H
API WELL # 47 51 03316 WVP
STATE COUNTY PERMIT

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

PAGE: 1 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

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: 14,961' ±
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

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Bottom Hole is located on topo map 13,562 feet south of Latitude: 39° 52' 30"

Well is located on topo map 5,874 feet south of Latitude: 39° 50' 00"

Bottom Hole is located on topo map 5,957 feet west of Longitude: 80° 45' 00"
Well is located on topo map 3,621 feet west of Longitude: 80° 45' 00"

SURFACE HOLE LOCATION (SHL)
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Westfall Consulting, Inc. 1000 State St. Parkersburg, WV 26101
724-416-1100
724-444-1334
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Civil Engineering | Land Development | Structure Design
Land Planning | Landscape Architecture | Environmental



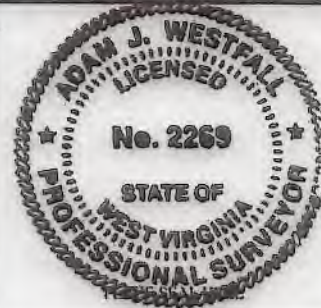
LEGEND	
	PROPOSED SURFACE HOLE LOCATION ON 7.5' TOPOGRAPHIC MAP
	PROPOSED BOTTOM HOLE LOCATION ON 7.5' TOPOGRAPHIC MAP

FILE #: MND11 N-4H
DRAWING #: MND11 N-4H
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: MARCH 7, 2019 Rev. JUNE 12, 2019

OPERATOR'S WELL #: MND11 N-4H

API WELL # 47 51 02214 H44
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'

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: 14,961' ±

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

156	SOUTHERN COUNTRY FARMS INC.	TAX MAP NO. 05-0004-0003-0013-0000
157	SOUTHERN COUNTRY FARMS INC.	TAX MAP NO. 05-0004-0034-0001-0000
158	SOUTHERN COUNTRY FARMS INC.	TAX MAP NO. 05-0004-0034-0001-0000
167	WEST WAYNE L. JR. ET. UX.	TAX MAP NO. 05-0004-0013-0001-0000
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
194	WEST WAYNE L. JR. ET. UX.	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
199	TEXAS EASTERN TRANSMISSION	TAX MAP NO. 05-0002-0013-0003-0000
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
222	DIMITRO JAMES D.	TAX MAP NO. 05-0004-0011-0001-0000
223	DIMITRO JAMES D.	TAX MAP NO. 05-0004-0012-0000-0000
300	OHIO POWER CO.	TAX MAP NO. 05-0006-0003-0000-0000
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
384	HOLMAN TERRY L.	TAX MAP NO. 05-0004-0016-0000-0000
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

Wellbore Corporate Plan No. 101
2600 Georgetown Drive
State College, PA 16803

P: 724-444-1101
F: 724-444-1104
www.pve.com



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LEGEND	
100	REFERENCE NUMBER FOR SURFACE PARCEL OWNERSHIP

FILE #: MND11 N-4H
DRAWING #: MND11 N-4H
SCALE: 1"=2000'
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OPERATOR'S WELL #: MND11 N-4H
API WELL # 47 51 02216 H4A
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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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

Well ID	Original Lessee	Original Lessor	Surface Acres
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
	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 05-0004-0013-0000-0000	MCCLINTOCK DALE ET UX	CHEVRON USA INC	168
	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 05-0004-0003-0000-0000	Southern Country Farms, Inc.	Noble Energy, Inc.	198
	Noble Energy, Inc.	HG ENERGY II APPALACHIA, LLC	
⑤ 05-0004-0001-0000-0000	AEP Generation Resources Inc. and Kentucky Power Company	Noble Energy, Inc.	170
	NOBLE ENERGY INC	HG ENERGY II APPALACHIA, LLC	
⑥ 05-0002-0013-0005-0000	AEP Generation Resources Inc. and Kentucky Power Company	Noble Energy, Inc.	171
	NOBLE ENERGY INC	HG ENERGY II APPALACHIA, LLC	
⑦ 05-0002-0013-0004-0000	Peggy S. Hartley	CNX Gas Company, LLC and Noble Energy	185

⑧ 05-0002-0013-0002-0000	Arden Ray Heatherington	NOBLE ENERGY INC	HG ENERGY II APPALACHIA, LLC	187
		NOBLE ENERGY INC	CNX Gas Company, LLC	
		CNX Gas Company, LLC	Noble Energy INC	
		NOBLE ENERGY INC	HG ENERGY II APPALACHIA, LLC	
⑨ 05-0002-0011-0000-0000	WesBanco Trust & Investment Services, a Division of WesBanco, Inc., Trustee of the John T. Gallagher Scholarship Trust	NOBLE ENERGY INC		186
		Noble Energy	CNX Gas Company, LLC	
		CNX Gas Company, LLC	Noble Energy	
		NOBLE ENERGY INC	HG ENERGY II APPALACHIA, LLC	



LEGEND
① REFERENCE NUMBER FOR MINERAL OWNERSHIP

FILE #: MND11 N-4H
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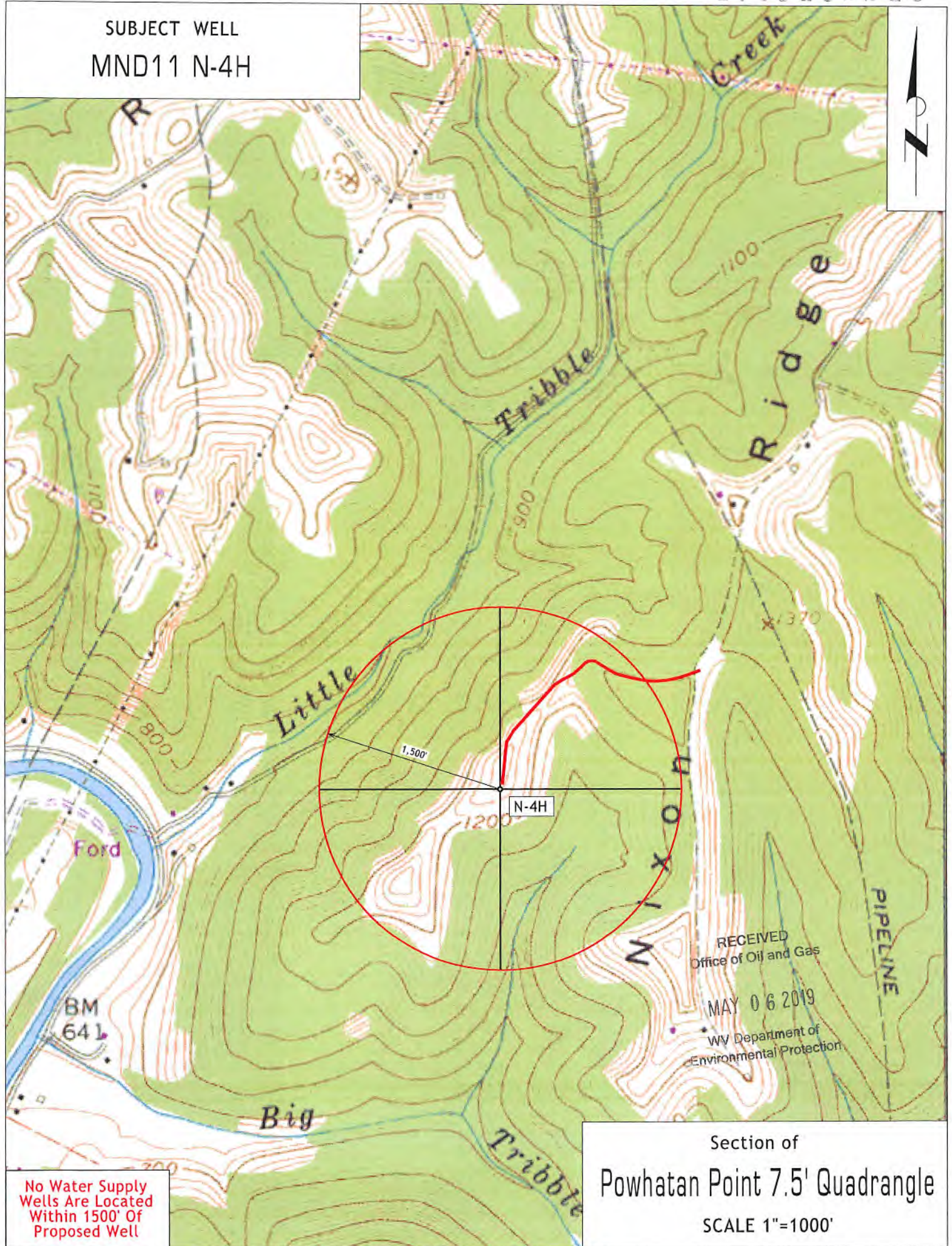
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API WELL # 47 51 02216 #47
STATE COUNTY PERMIT

SUBJECT WELL
MND11 N-4H



No Water Supply
Wells Are Located
Within 1500' Of
Proposed Well

RECEIVED
Office of Oil and Gas
MAY 06 2019
WV Department of
Environmental Protection

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