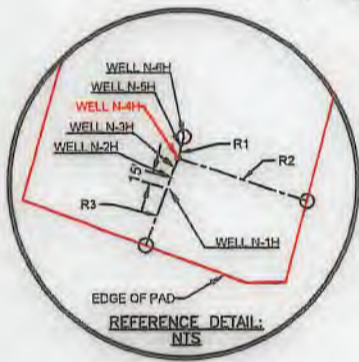


**SURFACE HOLE LOCATION (SHL)**  
 UTM 17 - NAD83(m)  
 N: 4407234.43  
 E: 520040.76  
 UTM 17 - NAD83(ft)  
 N: 14459401.62  
 E: 1706167.06  
 LAT/LON DATUM-NAD83  
 LAT: 39.814854°  
 LON: -80.765851°

**APPROX. LANDING POINT**  
 UTM 17 - NAD83(m)  
 N: 4407042.87  
 E: 519885.75  
 UTM 17 - NAD83(ft)  
 N: 14458773.14  
 E: 1705658.51  
 LAT/LON DATUM-NAD83  
 LAT: 39.813132°  
 LON: -80.767668°

**BOTTOM HOLE LOCATION**  
 UTM 17 - NAD83(m)  
 N: 4409101.50  
 E: 518370.36  
 UTM 17 - NAD83(ft)  
 N: 14465527.17  
 E: 1700686.77  
 LAT/LON DATUM-NAD83  
 LAT: 39.831715°  
 LON: -80.785315°



LINE	BEARING	DISTANCE
R1	S15°38'10"W	30.00'
R2	N71°15'10"W	189.27'
R3	N20°19'49"E	129.71'
R4	S84°00'01"W	2446.38'
R5	S60°40'44"W	2755.37'
R6	N01°38'10"W	1094.04'

Westfield Corporate Park III, Suite 151  
 2000 Georgetown Drive  
 Troutdale, PA 15168

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

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

FILE #: MND23 N-4H  
 DRAWING #: MND23 N-4H  
 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

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  
 COUNTY/DISTRICT: MARSHALL / FRANKLIN

SURFACE OWNER: HG ENERGY II, APPALACHIA LLC  
 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-4H

API WELL # 47 51 02218  
 STATE COUNTY PERMIT

ELEVATION: 1240'  
 QUADRANGLE: POWHATAN POINT, W. VA./OHIO

ACREAGE: 126.6

ESTIMATED DEPTH: TVD: 6,535' ± TMD: 15,449' ±

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 590 feet south of Latitude: 39° 50' 00"

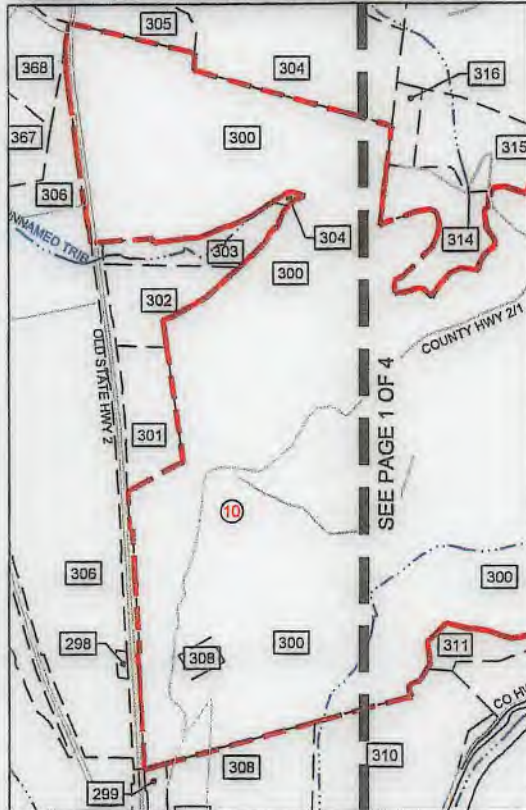
Well is located on topo map 6,731 feet south of Latitude: 39° 50' 00"

Bottom Hole is located on topo map 9,918 feet west of Longitude: 80° 45' 00"  
Well is located on topo map 4,453 feet west of Longitude: 80° 45' 00"

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.

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



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E: 520040.76  
UTM 17 - NAD83(ft)  
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Wellford Canyon Park II, Suite 101  
2050 Design Drive  
Soudersville, PA 17243

P: 726-444-1100  
F: 726-444-1104  
www.pve-llc.com



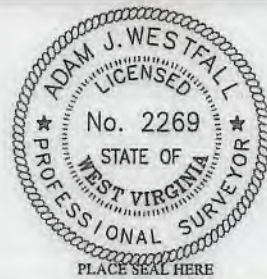
Civil Engineering | Land Development | Structure Design  
Land Planning | Landscape Architecture | Environmental

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

FILE #: MND23 N-4H  
DRAWING #: MND23 N-4H  
SCALE: 1"=2000'  
MINIMUM DEGREE OF ACCURACY: 1/2500  
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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-4H  
API WELL # 47 51 02212  
STATE COUNTY PERMIT

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

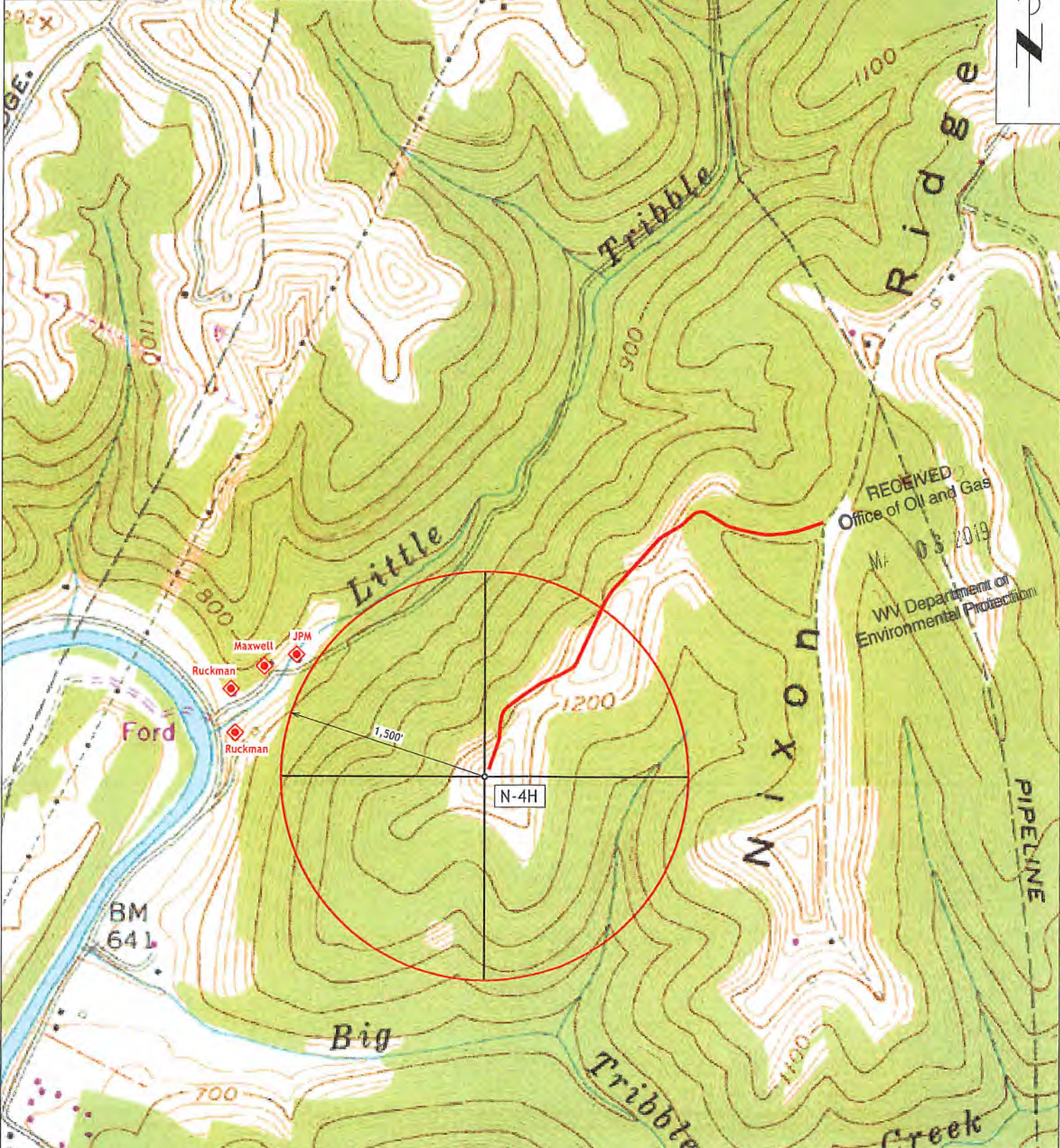
PAGE: 2 OF 4

WATERSHED: BIG TRIBBLE CREEK-OHIO RIVER ELEVATION: 1240'  
COUNTY/DISTRICT: MARSHALL / FRANKLIN QUADRANGLE: POWHATAN POINT, W. VA./OHIO  
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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-4H



RECEIVED  
Office of Oil and Gas  
Mar 03 2019  
WV Department of  
Environmental Protection

◆ Denotes Potential  
Water Supply Source  
(From Aerial  
Photography)

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