

SURFACE HOLE LOCATION (SHL)

UTM 17 - NAD83
 N: 4411121.386
 E: 519304.390
NAD27, WV NORTH
 N: 494175.870
 E: 1642164.085
LAT/LON DATUM-NAD83
 LAT: 39.849893
 LON: -80.774340

APPROX. LANDING POINT

UTM 17 - NAD83
 N: 4411305.122
 E: 519280.402
NAD27, WV NORTH
 N: 494780.116
 E: 1642095.434
LAT/LON DATUM-NAD83
 LAT: 39.851549
 LON: -80.774615

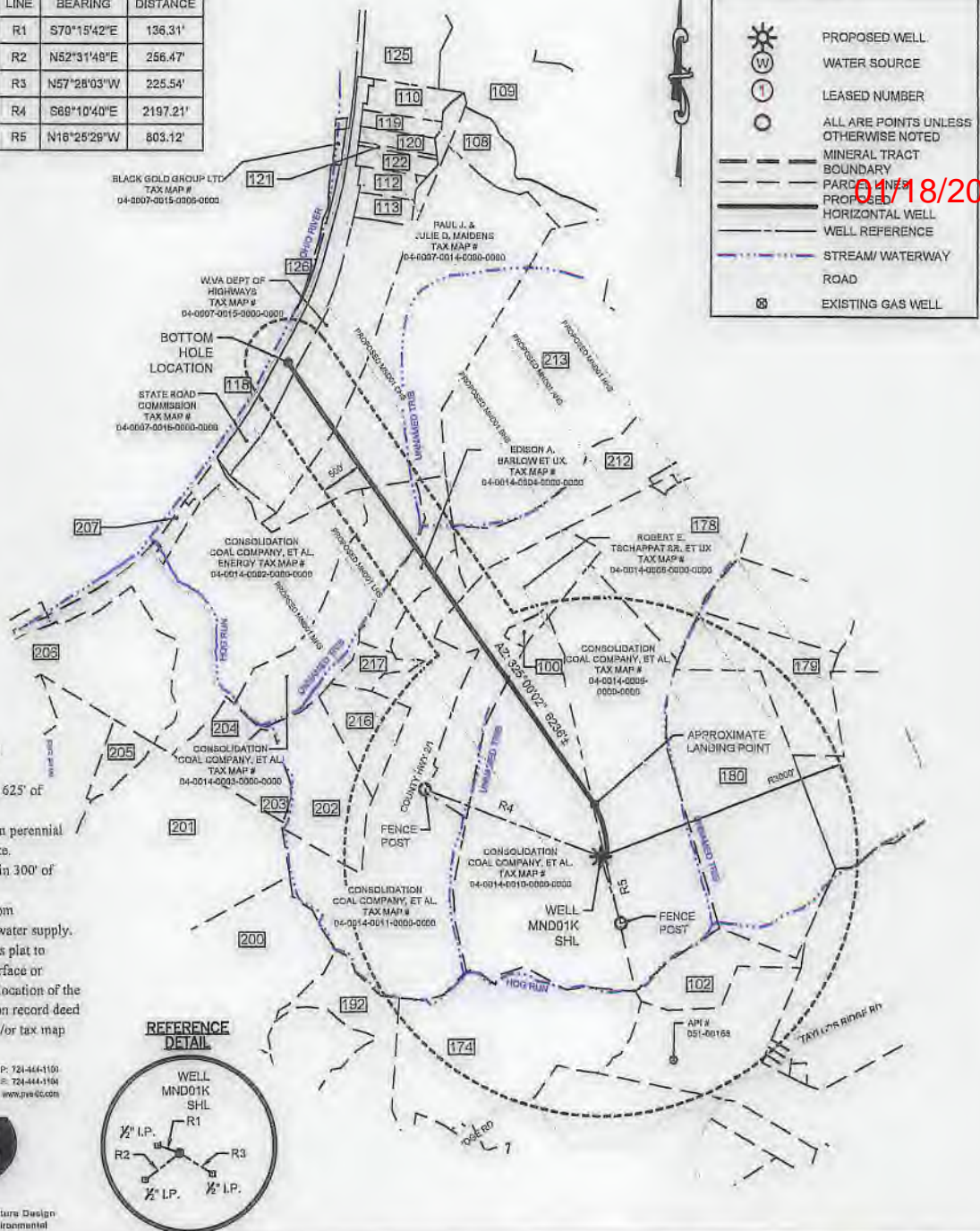
BOTTOM HOLE LOCATION

UTM 17 - NAD83
 N: 4412843.241
 E: 518164.664
NAD27, WV NORTH
 N: 499888.708
 E: 1638518.486
LAT/LON DATUM-NAD83
 LAT: 39.865432
 LON: -80.787615

WATER WELLS:
 NONE FOUND

LINE TABLE		
LINE	BEARING	DISTANCE
R1	S70°15'42"E	136.31'
R2	N52°31'48"E	256.47'
R3	N57°28'03"W	225.54'
R4	S68°10'40"E	2197.21'
R5	N16°25'28"W	803.12'

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



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 herein. 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.

Waterfront Corporate Park III, Suite 101
 2009 Gaugstown Drive
 Swatsy, PA 15143
 P: 724-444-1100
 F: 724-444-1104
 www.pve.com



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

FILE #: MND 01 KHS
 DRAWING #: MND 01 KHS
 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: [Signature]
 R.P.E.: 18766 L.L.S.: P.S. NO. _____



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



DATE: SEPTEMBER 10, 2018
 OPERATOR'S WELL #: MND 01 KHS
 API WELL # 47 051 01834D
 STATE COUNTY PERMIT

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

WATERSHED: SHORT CREEK-OHIO RIVER ELEVATION: 1150.00'
 COUNTY/DISTRICT: MARSHALL / CLAY QUADRANGLE: POWHATAN POINT, W. VA./OHIO
 SURFACE OWNER: CONSOLIDATION COAL COMPANY/ MURRAY ENERGY ACREAGE: 126.99
 OIL & GAS ROYALTY OWNER: CNX GAS COMPANY, LLC, ET AL. ACREAGE: 126.99

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

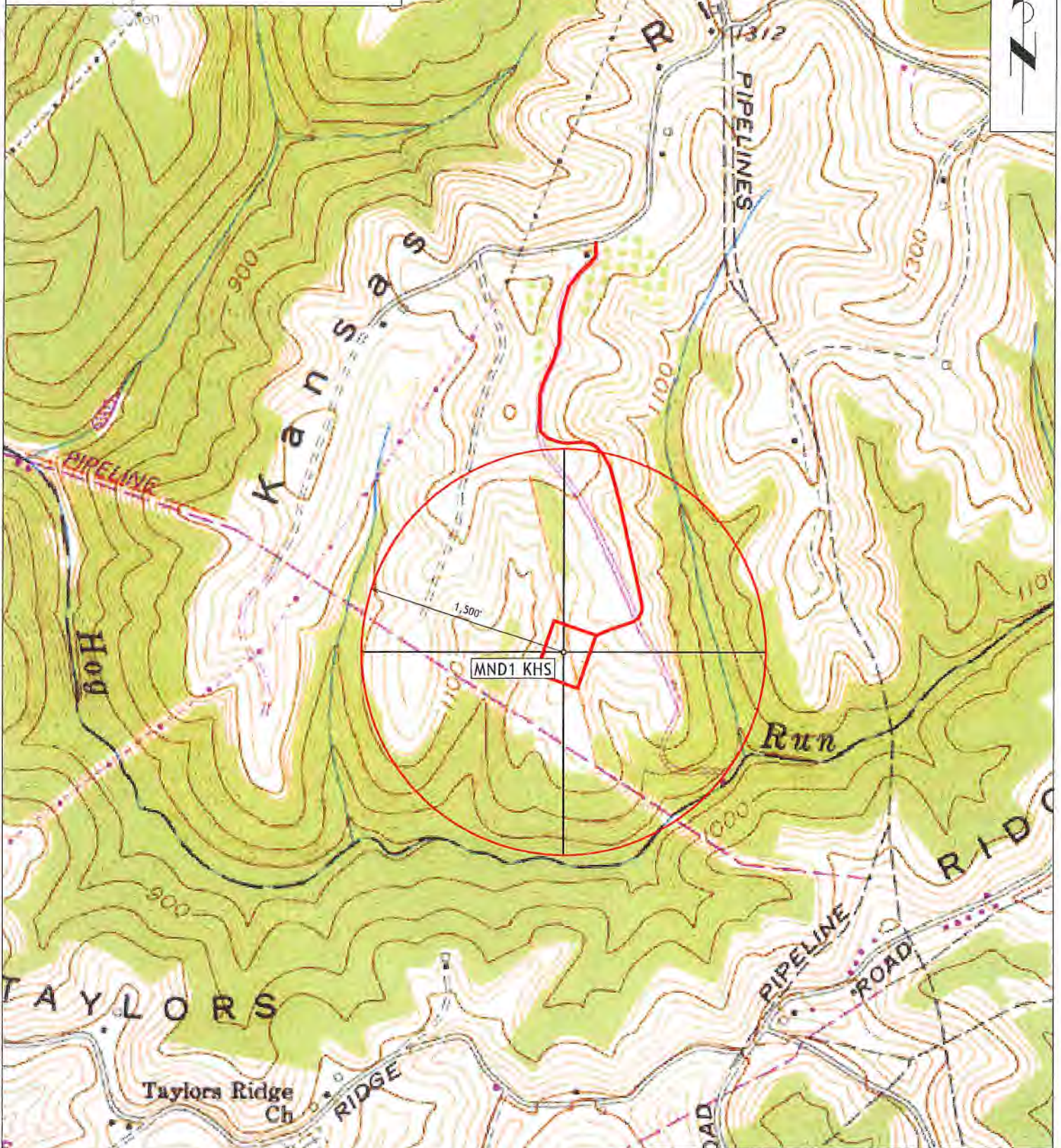
TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: TVD: 6,175' ± TMD: 12,907' ±
 WELL OPERATOR: HG ENERGY II APPALACHIA, LLC DESIGNATED AGENT: DIANE C. WHITE
 Address: 5260 DUPONT ROAD Address: HG ENERGY II APPALACHIA, LLC
 City PARKERSBURG State WV Zip Code 26101 City PARKERSBURG State WV Zip Code 26101

01/18/2019

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SUBJECT WELL

MND1 KHS



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

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