

SURFACE HOLE LOCATION (SHL)

UTM 17 - NAD83
 N: 441117.053
 E: 519302.861
 NAD27, WV NORTH
 N: 494161.737
 E: 1842158.830
 LAT/LON DATUM-NAD83
 LAT: 39.849854
 LON: -80.774358

APPROX. LANDING POINT

UTM 17 - NAD83
 N: 441170.917
 E: 519095.361
 NAD27, WV NORTH
 N: 494349.881
 E: 1841480.883
 LAT/LON DATUM-NAD83
 LAT: 39.850344
 LON: -80.776782

BOTTOM HOLE LOCATION

UTM 17 - NAD83
 N: 4412623.525
 E: 518041.881
 NAD27, WV NORTH
 N: 499174.463
 E: 1638102.887
 LAT/LON DATUM-NAD83
 LAT: 39.863456
 LON: -80.789059

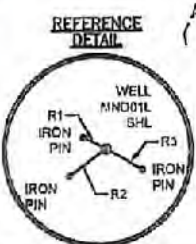
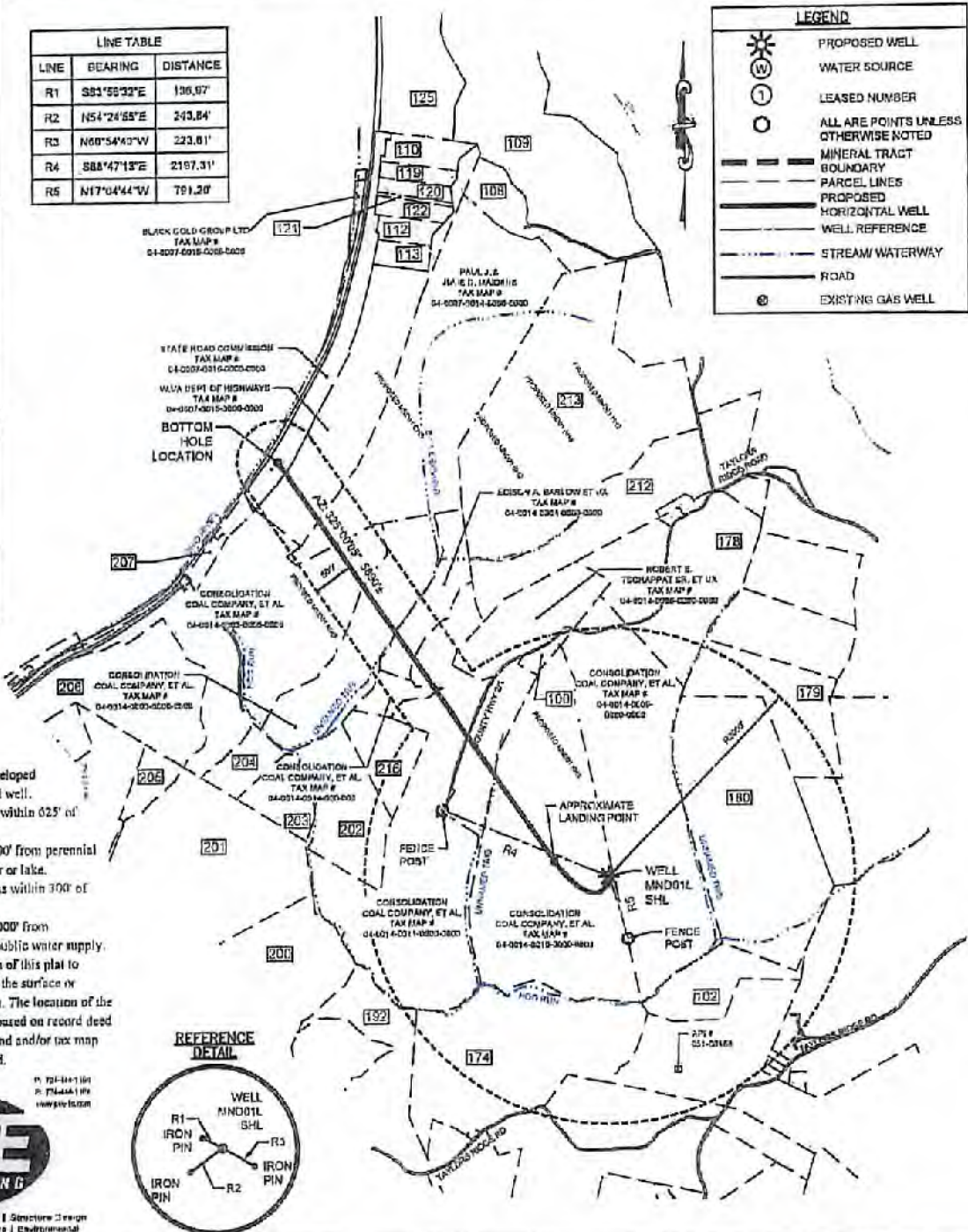
**WATER WELLS:
 NONE FOUND**

- 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.
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LINE	BEARING	DISTANCE
R1	S81°52'32"E	136.87'
R2	N54°24'55"E	243.84'
R3	N80°54'43"W	223.81'
R4	S88°47'13"E	2197.31'
R5	N17°04'44"W	791.20'

LEGEND

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



Vertical Control Point, State 881
 2000 Department Title
 Raleigh, NC 27613

P. 724-441-1001
 F. 724-444-1100
 www.pve.com

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

FILE #: MND 01 LHS
 DRAWING #: MND 01 LHS
 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.: 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

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

WATERSHED: SHORT CREEK-OHIO RIVER
 COUNTY/DISTRICT: MARSHALL / CLAY
 SURFACE OWNER: CONSOLIDATION COAL COMPANY/ MURRAY ENERGY
 OIL & GAS ROYALTY OWNER: CNX GAS COMPANY, LLC, ET AL.

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
 WELL OPERATOR: HG ENERGY II APPALACHIA, LLC
 Address: 5280 DUPONT ROAD
 City PARKERSBURG State WV Zip Code 26101

DATE: SEPTEMBER 10, 2018

OPERATOR'S WELL #: MND 01 LHS
 API WELL # 47 051 01133D
 STATE COUNTY PERMIT

QUADRANGLE: POWHATAN POINT, W. VA./OHIO
 ACREAGE: 126.99
 ACREAGE: 126.99

ESTIMATED DEPTH: TVD: 6,175'± TMD: 12,513'±
 DESIGNATED AGENT: DIANE C. WHITE
 Address: 5280 DUPONT ROAD
 City PARKERSBURG State WV Zip Code 59414

RECEIVED
 Office of Oil and Gas
 11/05/2021
 AUG 11 2021
 WV Department of Environmental Protection

SURFACE HOLE LOCATION (SHL)

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 E: 519302.861
 NAD27, WV NORTH
 N: 494161.737
 E: 1642158.830
 LAT/LON DATUM-NAD83
 LAT: 39.848854
 LON: -80.774358

LINE TABLE		
LINE	BEARING	DISTANCE
R1	S03°56'32"E	136.87'
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	WATER SOURCE
	LEASED NUMBER
	ALL ARE POINTS UNLESS OTHERWISE NOTED
	MINERAL TRACT BOUNDARY LINES
	PARCEL LINES
	PROPOSED HORIZONTAL WELL
	WELL REFERENCE
	STREAM WATERWAY
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	EXISTING GAS WELL

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 NAD27, WV NORTH
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**WATER WELLS:
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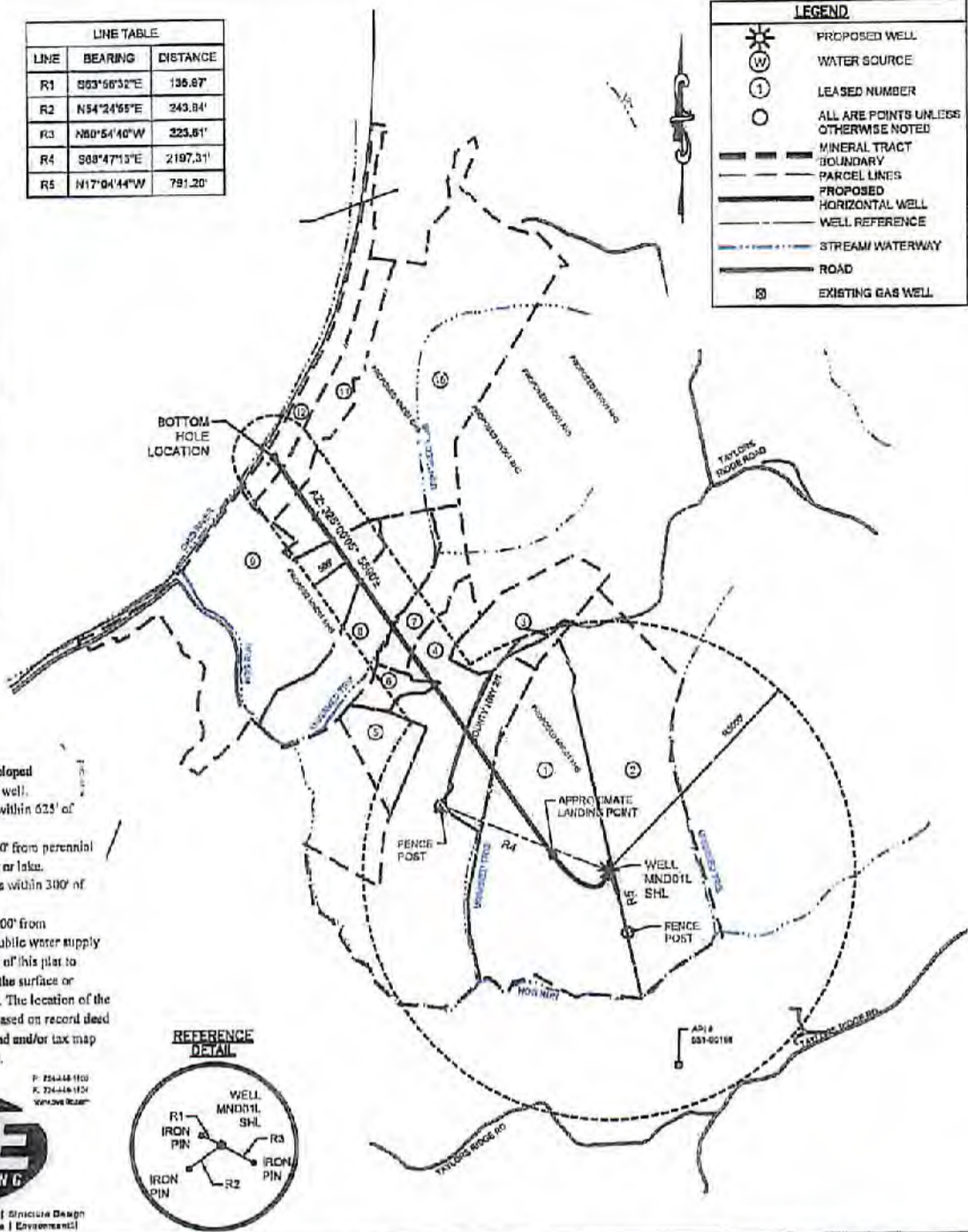
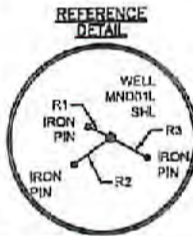
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Voluntary Cooperative Park ID: 2001-101
 3000 Convergence Drive
 Gettysburg, PA 17325

P: 724-448-1100
 F: 724-448-1101
 www.pve.com



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



FILE #: MND 01 LHS
 DRAWING #: MND 01 LHS
 SCALE: 1"=2000'
 MINIMUM DEGREE OF ACCURACY: 1/2500
 PROVEN SOURCE OF ELEVATION: U.S.G.S. MONUMENT H 138: 638.59'

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 WVDEP
 OFFICE OF OIL & GAS
 601 57TH STREET
 CHARLESTON, WV 25304



DATE: SEPTEMBER 10, 2018
 OPERATOR'S WELL #: MND 01 LHS
 API WELL # 47 051 01833 D
 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
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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 56414

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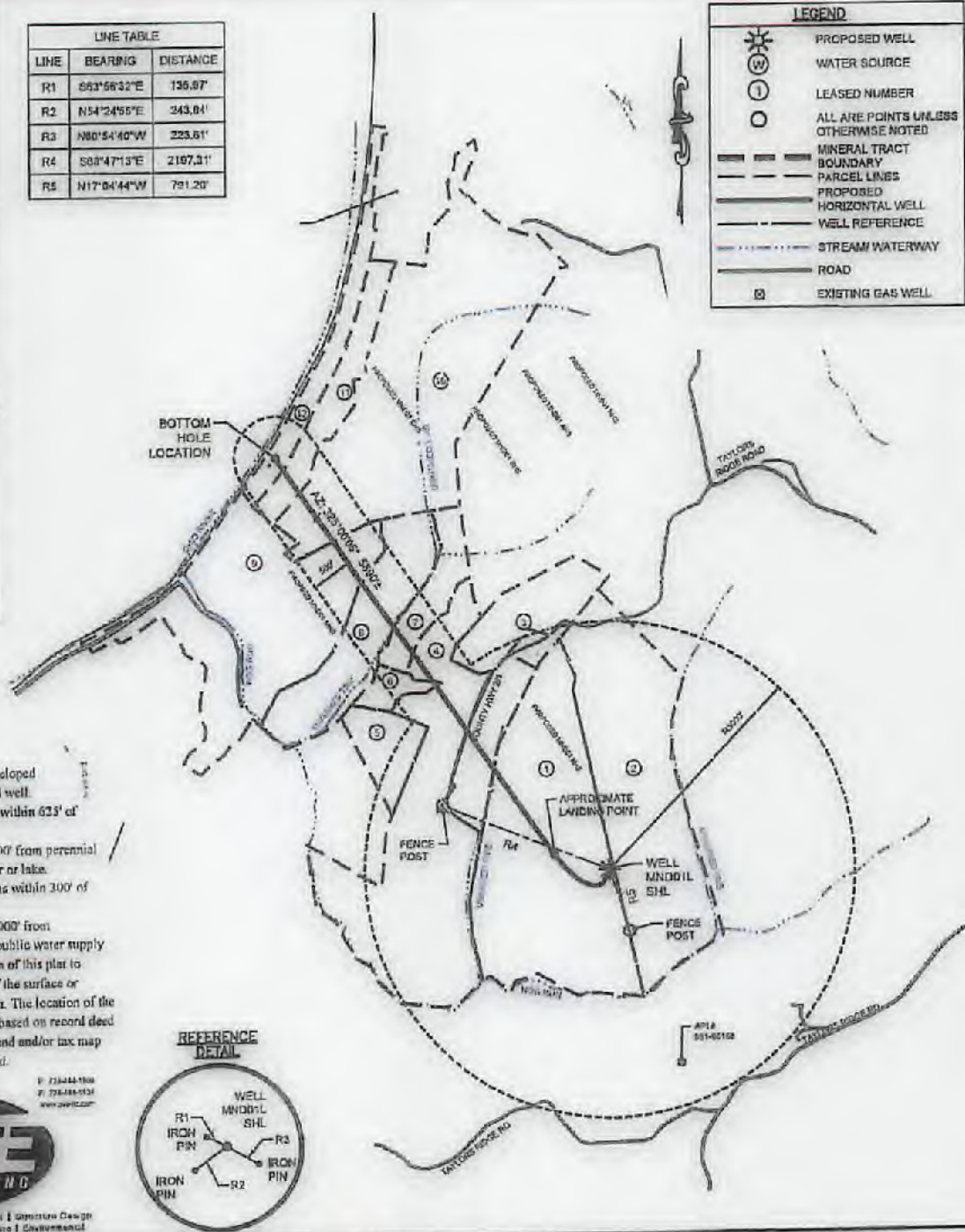
Waterford/Cypress Park Rd. State St.
 3708 Engineering Bldg.
 Beckley, WV 26102
 P: 724-444-1900
 F: 724-444-1934
 www.pveinc.com



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LEGEND

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	WATER SOURCE
	LEASED NUMBER
	ALL ARE POINTS UNLESS OTHERWISE NOTED
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	PARCEL LINES
	PROPOSED HORIZONTAL WELL
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 City PARKERSBURG State WV Zip Code 26101 City PARKERSBURG State WV Zip Code 59414

11/05/2021

SHEET: 2 OF 3

Bottom hole is located on topo map 4,205 feet south of Latitude: 39° 52' 30"

Well is located on topo map 9,160 feet south of Latitude: 39° 52' 30"

Bottom hole is located on topo map 10,964 feet west of Longitude: 80° 45' 00"
Well is located on topo map 6,839 feet west of Longitude: 80° 45' 00"

100	ROBERT E TSCHAPPAT, JR	TAX MAP NO. 04-0014-0005-0001-0000
102	RALPH & ELLA CHAPLIN	TAX MAP NO. 05-0002-0015-0000-0000
103	PAUL J. & JULIE D. MAIDENS	TAX MAP NO. 04-0007-0005-0000-0000
109	PETRUSCI DATHY J & CARL F JR	TAX MAP NO. 04-0007-0005-0001-0000
110	WV DEPT OF HIGHWAYS	TAX MAP NO. 04-0007-0015-0000-0000
112	WV DEPT OF HIGHWAYS	TAX MAP NO. 04-0007-0015-0002-0000
113	WV DEPT OF HIGHWAYS	TAX MAP NO. 04-0007-0015-0003-0000
115	WV DEPT OF HIGHWAYS	TAX MAP NO. 04-0007-0015-0005-0000
120	WV DEPT OF HIGHWAYS	TAX MAP NO. 04-0007-0015-0001-0000
121	WV DEPT OF HIGHWAYS	TAX MAP NO. 04-0007-0015-0007-0000
122	WV DEPT OF HIGHWAYS	TAX MAP NO. 04-0007-0015-0010-0000
123	WILSON JOHN T, JR.	TAX MAP NO. 04-0006-0007-0000-0000
124	GRAY ROBERT WILLIAM - LIFE	TAX MAP NO. 05-0002-0006-0000-0000
179	RINE WENDELL B. & CAROLYN S.	TAX MAP NO. 04-0014-0007-0000-0000
179	ESTEP EUGENE C. & ELIZABETH A.	TAX MAP NO. 04-0013-0002-0000-0000
180	CONSOLIDATION COAL COMPANY, ET AL.	TAX MAP NO. 04-0014-0008-0000-0000
192	CONSOLIDATION COAL COMPANY	TAX MAP NO. 05-0002-0005-0000-0000
200	CONSOLIDATION COAL COMPANY, ET AL.	TAX MAP NO. 05-0001-0007-0000-0000
201	CONSOLIDATION COAL COMPANY, ET AL.	TAX MAP NO. 05-0001-0005-0000-0000
202	CONSOLIDATION COAL COMPANY, ET AL.	TAX MAP NO. 04-0014-0012-0000-0000
203	CONSOLIDATION COAL COMPANY, ET AL.	TAX MAP NO. 05-0001-0006-0001-0000
204	CONSOLIDATION COAL COMPANY, ET AL.	TAX MAP NO. 05-0001-0008-0000-0000
205	CONSOLIDATION COAL COMPANY, ET AL.	TAX MAP NO. 05-0001-0004-0000-0000
206	CONSOLIDATION COAL COMPANY, ET AL.	TAX MAP NO. 05-0001-0001-0000-0000
207	CONSOLIDATION COAL COMPANY, ET AL.	TAX MAP NO. 05-0001-0001-0002-0000
212	DICKSON RAYMOND M.	TAX MAP NO. 04-0007-0018-0000-0000
213	MAIDENS PAUL J. & JULIE D.	TAX MAP NO. 04-0007-0017-0000-0000
216	CONSOLIDATION COAL COMPANY, ET AL.	TAX MAP NO. 04-0014-0013-0000-0000

LEGEND

- BOTTOM HOLE LOCATION
- TOP HOLE LOCATION
- PROPOSED WELL
- WATER SOURCE
- LEASED NUMBER
- ALL ARE POINTS UNLESS OTHERWISE NOTED
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- PARCEL LINES
- PROPOSED HORIZONTAL WELL
- WELL REFERENCE
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- ROAD
- EXISTING GAS WELL

1	HG ENERGY APPALACHIA, LLC.	TAX MAP NO. 04-14, PARCEL 10
2	HG ENERGY APPALACHIA, LLC.	TAX MAP NO. 04-14, PARCEL 09
3	ROBERT E. TSCHAPPAT SR. ET LUX	TAX MAP NO. 04-14, PARCEL 06
4	HG ENERGY APPALACHIA, LLC.	TAX MAP NO. 04-14, PARCEL 11
5	DAVID C. WHITE	TAX MAP NO. 04-14, PARCEL 13
6	HG ENERGY APPALACHIA, LLC.	TAX MAP NO. 04-14, PARCEL 14
7	ESTATE OF NELLIE RAMSEY DOWER ET AL.	TAX MAP NO. 04-14, PARCEL 04
8	HG ENERGY APPALACHIA, LLC.	TAX MAP NO. 04-14, PARCEL 03
9	HG ENERGY APPALACHIA, LLC.	TAX MAP NO. 04-14, PARCEL 02
10	PAUL J. & JULIE D. MAIDENS	TAX MAP NO. 04-07, PARCEL 14
11	NYLA J. BELL	TAX MAP NO. 04-07, PARCEL 15
12	NYLA J. BELL	TAX MAP NO. 04-07, PARCEL 16

Wildford Corporate Park B, Suite 501
2002 Corporate Drive
Sewersville, PA 16143

P: 724-644-1132
F: 724-644-1134
www.pve.com



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

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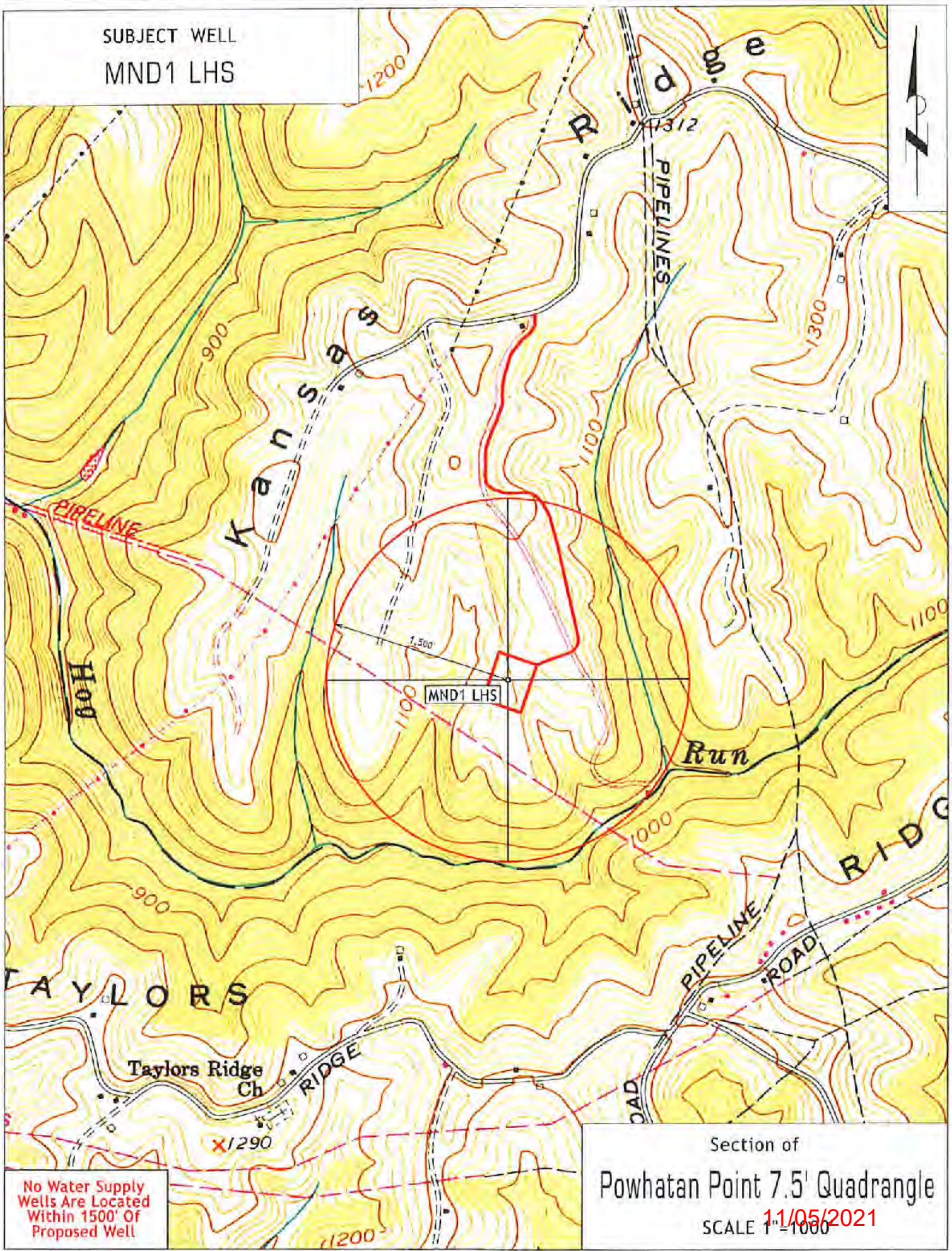
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SUBJECT WELL
MND1 LHS



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

Section of
Powhatan Point 7.5' Quadrangle
SCALE 1"=1000'
11/05/2021