

Well is located on topo map 9,168 feet south of Latitude: 39° 52' 30"

Well is located on topo map 6,818 feet west of Longitude: 80° 45' 00"

SURFACE HOLE LOCATION (SHL)
 UTM 17 - NAD83
 N: 4411114.739
 E: 519309.454
NAD27, WV NORTH
 N: 494153.781
 E: 1542180.338
LAT/LON DATUM-NAD83
 LAT: 39.849633
 LON: -80.774281

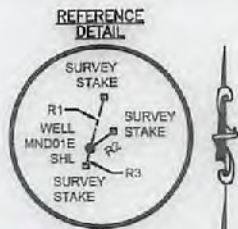
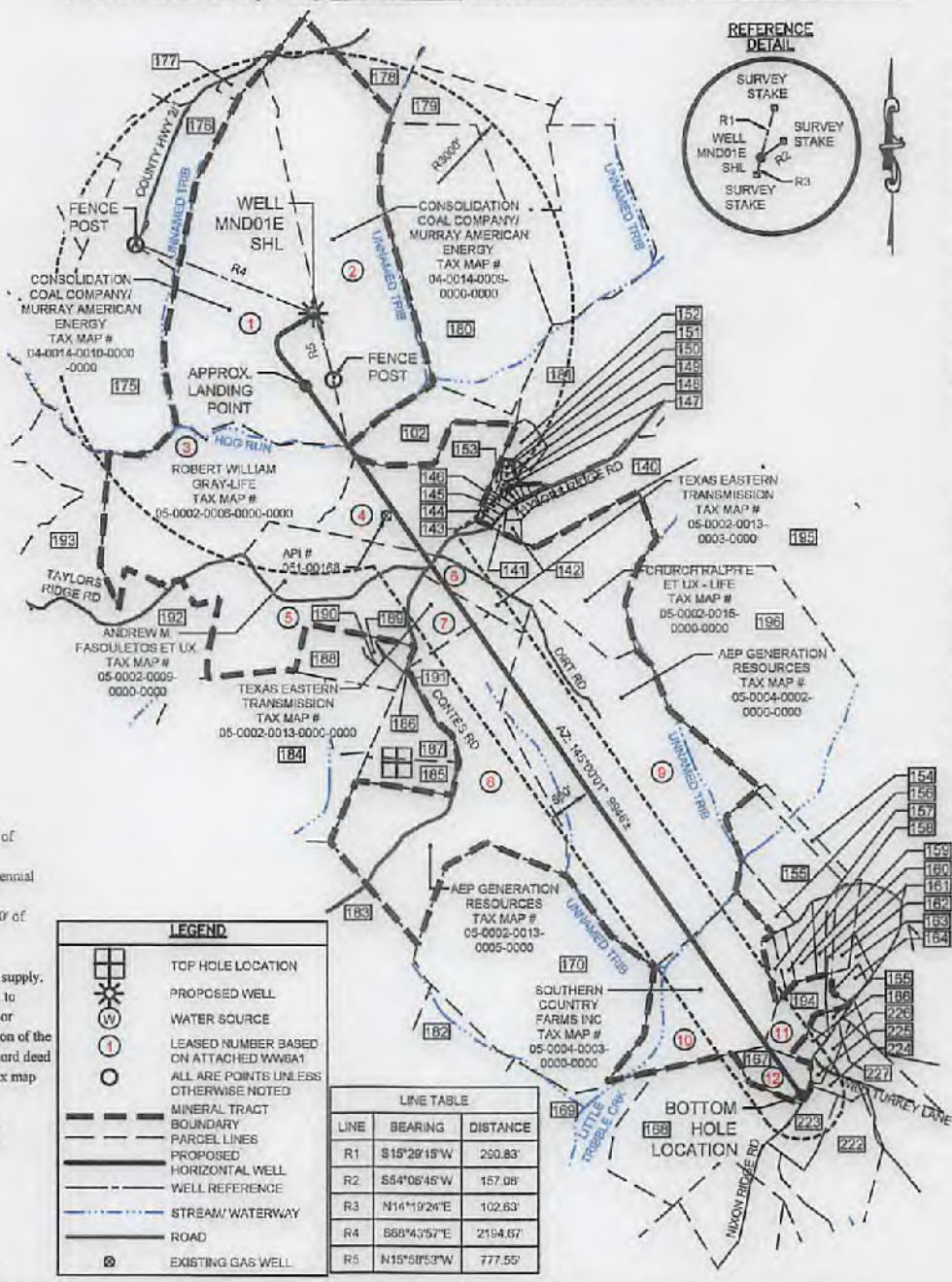
APPROX. LANDING POINT
 UTM 17 - NAD83
 N: 4410860.502
 E: 519280.154
NAD27, WV NORTH
 N: 493321.111
 E: 1542070.261
LAT/LON DATUM-NAD83
 LAT: 39.847543
 LON: -80.774631

BOTTOM HOLE LOCATION
 UTM 17 - NAD83
 N: 4408407.695
 E: 521059.412
NAD27, WV NORTH
 N: 485174.551
 E: 1547774.393
LAT/LON DATUM-NAD83
 LAT: 39.825401
 LON: -80.753912

WATER WELLS:
 NONE FOUND

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

- TOP HOLE LOCATION
- PROPOSED WELL
- WATER SOURCE
- LEASED NUMBER BASED ON ATTACHED WVA81
- ALL ARE POINTS UNLESS OTHERWISE NOTED
- MINERAL TRACT BOUNDARY
- PARCEL LINES
- PROPOSED HORIZONTAL WELL
- WELL REFERENCE
- STREAM/WATERWAY
- ROAD
- EXISTING GAS WELL

LINE TABLE

LINE	BEARING	DISTANCE
R1	S15°26'15"W	250.83'
R2	S54°08'45"W	157.08'
R3	N14°19'24"E	102.63'
R4	S69°43'57"E	2194.67'
R5	N15°58'53"W	777.55'

Waterfront Corporate Park, Suite 702
 2000 Georgetown Drive
 Beckley, WV 26102

PVE ENGINEERING

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

FILE #: MND 01 EHS
 DRAWING #: MND 01 EHS
 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.: 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 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: GNX 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: 16,538' ±
 WELL OPERATOR: HG ENERGY II APPALCHIA, LLC DESIGNATED AGENT: DIANE C. WHITE
 Address: 5280 DUPONT ROAD Address: 5280 DUPONT ROAD
 City PARKERSBURG State WV Zip Code 26101 City PARKERSBURG State WV Zip Code 26101



DATE: FEBRUARY 12, 2015 - REV JANUARY 05, 2018
 OPERATOR'S WELL #: MND 01 EHS
 API WELL # 47 051 01837
 STATE COUNTY PERMIT

05/04/2018

Bottom hole is located on topo map 15.034 feet south of Latitude: 39° 52' 00"

Bottom hole is located on topo map 1.099 feet west of Longitude: 80° 45' 00"

LEGEND

- BOTTOM HOLE LOCATION
- TOP HOLE LOCATION
- PROPOSED WELL
- WATER SOURCE
- LEASED NUMBER BASED ON ATTACHED WMBs
- ALL ARE POINTS UNLESS OTHERWISE NOTED
- MINERAL TRACT BOUNDARY
- PARCEL LINES
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102	CHAPLIN, RALPH & ELLA	TAX MAP NO. 05-0002-0018-0000-0000
140	CHAPLIN, WAYNE & TINA	TAX MAP NO. 05-0003-0001-0000-0000
141	MILLER ROBERT C. ET. UX.	TAX MAP NO. 05-0003A-0005-0000-0000
142	MILLER ROBERT C. ET. UX.	TAX MAP NO. 05-0003A-0005-0000-0000
143	CHURCH RALPH E. ET. UX.	TAX MAP NO. 05-0003A-0001-0000-0000
144	NORRIS SANDRA E. - LIFE	TAX MAP NO. 05-0003A-0002-0000-0000
145	WHITE STUART, ET. UX.	TAX MAP NO. 05-0003A-0003-0000-0000
146	WILSON JOHN T. ET. UX.	TAX MAP NO. 05-0003A-0004-0000-0000
147	MCILVAIN, WILLIAM R & KIMBERLY	TAX MAP NO. 05-0003A-0003-0000-0000
148	DURIG RAYMOND CRAIG	TAX MAP NO. 05-0003A-0002-0000-0000
149	EBERT JOE SR. ET. UX.	TAX MAP NO. 05-0003A-0004-0000-0000
150	MARTIN SAMUEL J. ET. UX.	TAX MAP NO. 05-0003A-0009-0000-0000
151	GARRISON WARD D. & LORRI A	TAX MAP NO. 05-0003A-0008-0000-0000
152	HEREFORD LAWRENCE R. & ALANDA S.	TAX MAP NO. 05-0003A-0006-0000-0000
153	RECREATION AREA FOR TAYLOR MANOR DEVELOPMENT	
154	DILLE STEVEN & ASHLEY	TAX MAP NO. 05-0004-0003-0008-0000
155	SAUNDERS, EUGENE L.	TAX MAP NO. 05-0004-0003-0014-0000
156	SOUTHERN COUNTRY FARMS INC.	TAX MAP NO. 05-0004-0003-0013-0000
157	DOTY JAMES H. & MELANIE A.	TAX MAP NO. 05-0004-0004-0000-0000
158	DOTY JAMES H. & MELANIE A.	TAX MAP NO. 05-0004-0004-0001-0000
159	SOUTHERN COUNTRY FARMS INC.	TAX MAP NO. 05-0004-0005-0000-0000
160	FRANKLIN LEE WARD	TAX MAP NO. 05-0004-0004-0000-0000
161	UNKNOWN	
162	COLADONATO, STEPHEN	TAX MAP NO. 05-0004-0021-0000-0000
163	MARTIN SHARK W. & KAREN M.	TAX MAP NO. 05-0004-0029-0000-0000
164	MARTIN SHARK W. & KAREN M.	TAX MAP NO. 05-0004-0030-0000-0000
165	ALLMAN KYLE MICHAEL	TAX MAP NO. 05-0004-0003-0001-0000
166	WEST, WAYNE L JR. ET. UX.	TAX MAP NO. 05-0004-0003-0003-0000
167	WEST WAYNE L JR. ET. UX.	TAX MAP NO. 05-0004-0013-0001-0000
168	CNX LAND RESOURCES INC.	TAX MAP NO. 05-0004-0013-0000-0000
169	AEP GENERATION RESOURCES, INC.	TAX MAP NO. 05-0004-0015-0000-0000
170	AEP GENERATION RESOURCES, INC.	TAX MAP NO. 05-0004-0001-0000-0000
171	CONSOLIDATION COAL COMPANY, ET AL.	TAX MAP NO. 04-0014-0011-0000-0000
172	TSCHAPPAT ROBERT E. SR. ET. UX.	TAX MAP NO. 04-0014-0006-0000-0000
173	TSCHAPPAT ROBERT E. JR. ET. UX.	TAX MAP NO. 04-0014-0006-0001-0000
174	RINE WENDELL B. & CAROLYN S.	TAX MAP NO. 04-0014-0007-0000-0000
175	ESTEP EUGENE C. & ELIZABETH A.	TAX MAP NO. 04-0013-0002-0000-0000
176	CONSOLIDATION COAL COMPANY, ET AL.	TAX MAP NO. 04-0014-0008-0000-0000
177	MCCLURE CHARLES L. ET. UX.	TAX MAP NO. 05-0002-0016-0000-0000
178	AEP GENERATION RESOURCES, INC.	TAX MAP NO. 05-0005-0012-0000-0000
179	AEP GENERATION RESOURCES, INC.	TAX MAP NO. 05-0005-0011-0000-0000
180	CONSOLIDATION COAL COMPANY, ET AL.	TAX MAP NO. 05-0002-0012-0000-0000
181	HARTLEY PEGGY S.	TAX MAP NO. 05-0002-0013-0004-0000
182	POTTS JAMES D. ET. UX.	TAX MAP NO. 05-0002-0013-0006-0000
183	POTTS JAMES D. ET. UX.	TAX MAP NO. 05-0002-0013-0002-0000
184	POTTS JAMES D. ET. UX.	TAX MAP NO. 05-0002-0010-0000-0000
185	JASENEC RUDY ET. UX.	TAX MAP NO. 05-0002-0010-0002-0000
186	JASENEC RUDY ET. UX.	TAX MAP NO. 05-0002-0010-0001-0000
187	JASENEC RUDY ET. UX.	TAX MAP NO. 05-0002-0010-0003-0000
188	BARNHART THOMAS K. ET. UX.	TAX MAP NO. 05-0002-0008-0000-0000
189	CONSOLIDATION COAL COMPANY, ET AL.	TAX MAP NO. 05-0002-0005-0000-0000
190	WEST WAYNE L. JR. ET. UX.	TAX MAP NO. 05-0004-0044-0000-0000
191	CHAPLIN RALPH & ELLA	TAX MAP NO. 05-0003-0005-0000-0000
192	HOWE RUSSELL BLAINE ET. UX. - LIFE	TAX MAP NO. 05-0003-0031-0000-0000
193	CNX LAND RESOURCES INC.	TAX MAP NO. 05-0004-0011-0001-0000
194	CNX LAND RESOURCES INC.	TAX MAP NO. 05-0004-0012-0000-0000
195	CNX LAND RESOURCES INC.	TAX MAP NO. 05-0004-0011-0002-0000
196	CNX LAND RESOURCES INC.	TAX MAP NO. 05-0004-0011-0000-0000
197	CNX LAND RESOURCES INC.	TAX MAP NO. 05-0004-0003-0002-0000
198	CNX LAND RESOURCES INC.	TAX MAP NO. 05-0004-0003-0004-0000

Watershed Criteria Park St. Suite 101
2000 Chesapeake Drive
Sewistey, PA 15342



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Land Planning | Landscape Architecture | Environmental

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