

SURFACE HOLE LOCATION (SHL)

UTM 17 - NAD83
 N: 4411118.961
 E: 519310.984
 NAD27, WV NORTH
 N: 494167.550
 E: 1642185.587
 LAT/LON DATUM-NAD83
 LAT: 39.849871
 LON: -80.774263

APPROX. LANDING POINT

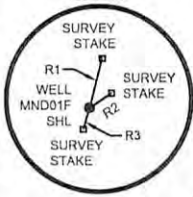
UTM 17 - NAD83
 N: 4410758.345
 E: 519128.387
 NAD27, WV NORTH
 N: 492994.214
 E: 1641566.653
 LAT/LON DATUM-NAD83
 LAT: 39.846626
 LON: -80.776408

BOTTOM HOLE LOCATION

UTM 17 - NAD83
 N: 4408262.857
 E: 520938.631
 NAD27, WV NORTH
 N: 484705.898
 E: 1647370.123
 LAT/LON DATUM-NAD83
 LAT: 39.824099
 LON: -80.755328

**WATER WELLS:
 NONE FOUND**

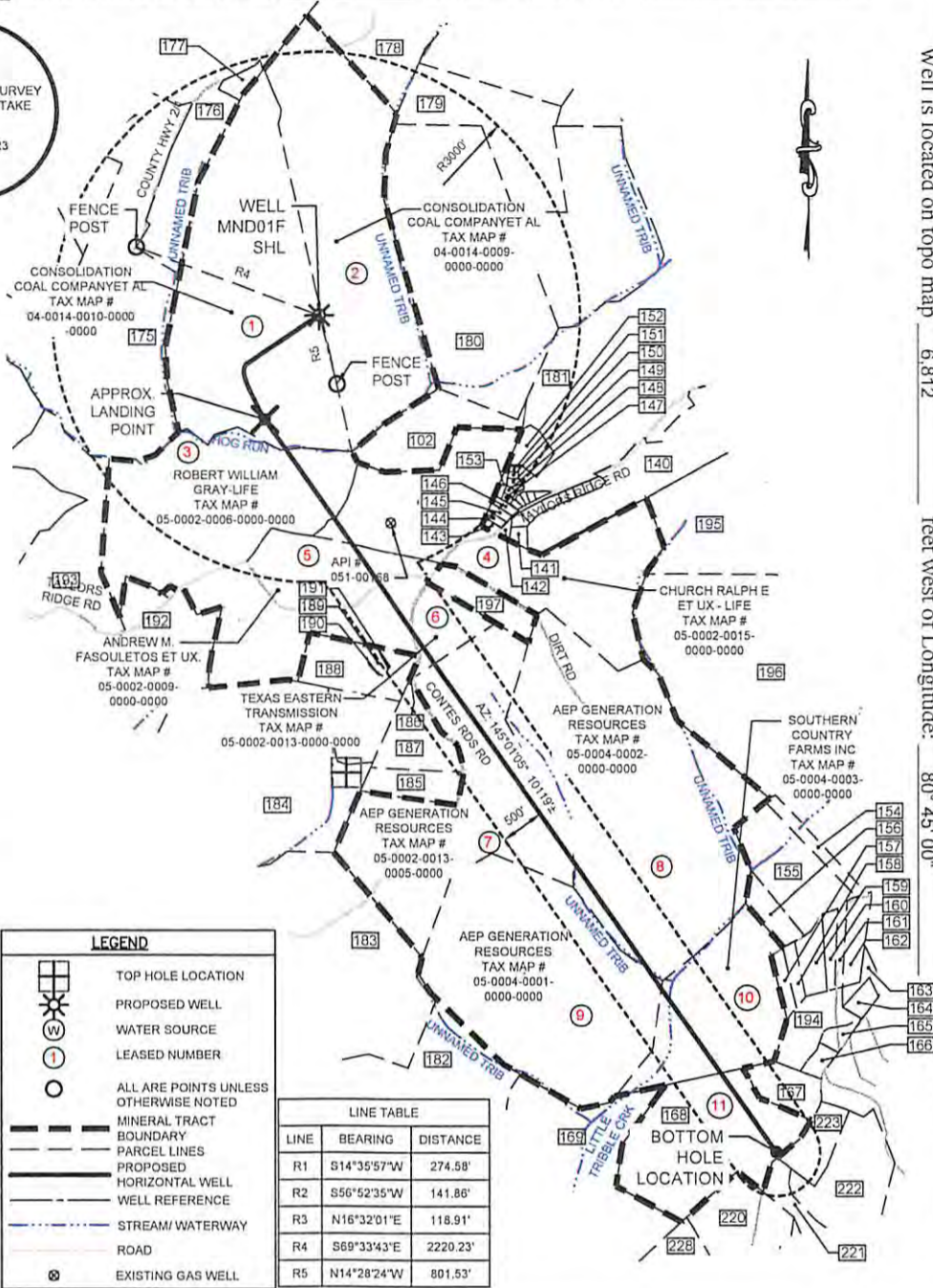
**REFERENCE
 DETAIL**



Well is located on topo map 9,154 feet south of Latitude: 39° 52' 30"

Well is located on topo map 6,812

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.

Waterford Corporate Park III, Suite 101
 5200 Gaughran Drive
 Swockley, PA 15143
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 www.pve-ec.com



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

FILE #: MND 01 FHS

DRAWING #: MND 01 FHS

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.: 18786 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: AUGUST 20, 2018

OPERATOR'S WELL #: MND 01 FHS

API WELL # 47 051
 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) _____

08/31/2018

TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: TVD: 6,455' ± TMD: 16,940' ±

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