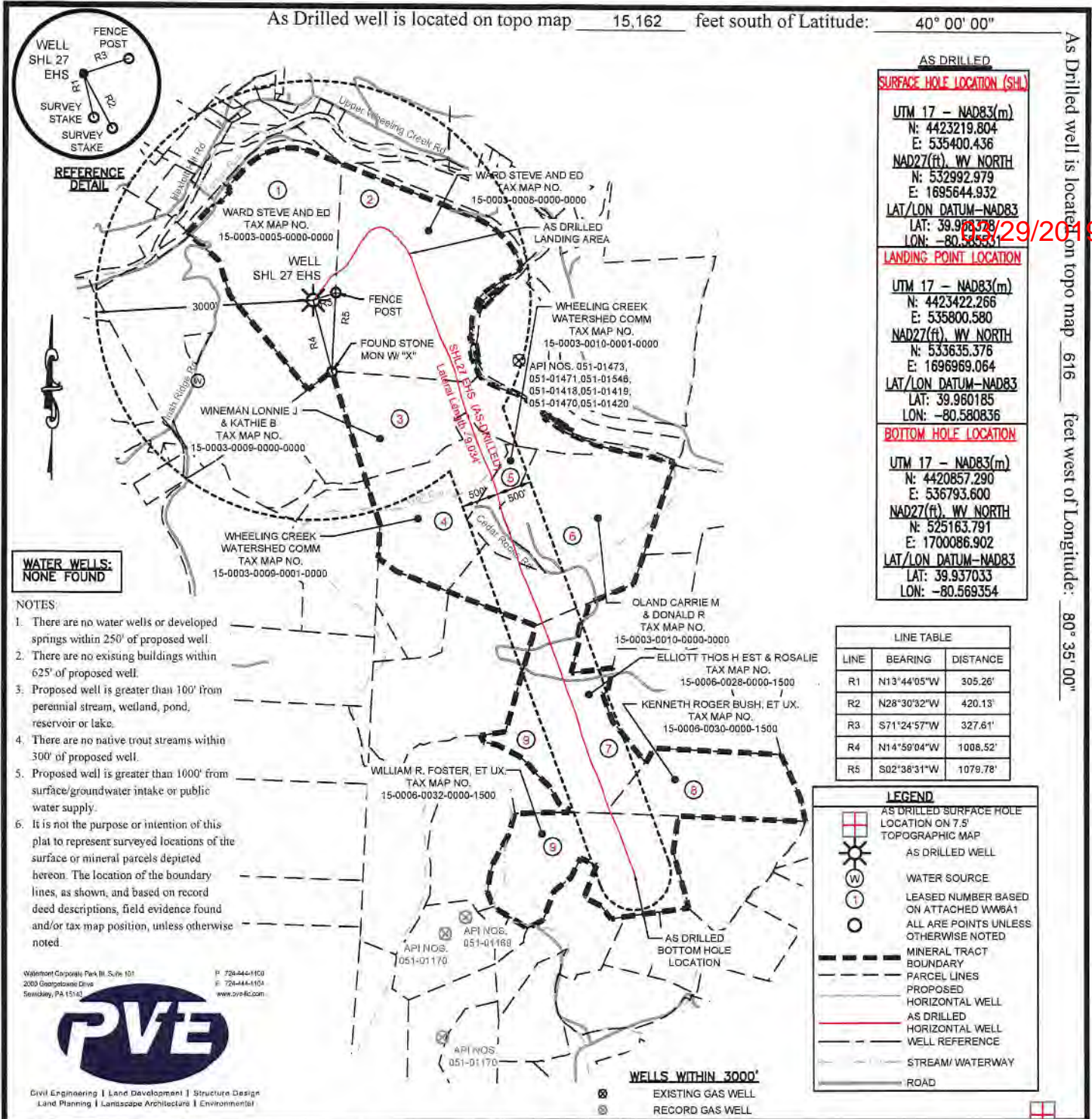


As Drilled well is located on topo map 15.162 feet south of Latitude: 40° 00' 00"

As Drilled well is located on topo map 616 feet west of Longitude: 80° 35' 00"



AS DRILLED SURFACE HOLE LOCATION (SHL)
 UTM 17 - NAD83(m)
 N: 4423219.804
 E: 535400.436
 NAD27(ft), WV NORTH
 N: 532992.979
 E: 1695644.932
 LAT/LON DATUM-NAD83
 LAT: 39.96378
 LON: -80.56935

LANDING POINT LOCATION
 UTM 17 - NAD83(m)
 N: 4423422.266
 E: 535800.580
 NAD27(ft), WV NORTH
 N: 533635.376
 E: 1696969.064
 LAT/LON DATUM-NAD83
 LAT: 39.960185
 LON: -80.580836

BOTTOM HOLE LOCATION
 UTM 17 - NAD83(m)
 N: 4420857.290
 E: 536793.600
 NAD27(ft), WV NORTH
 N: 525163.791
 E: 1700086.902
 LAT/LON DATUM-NAD83
 LAT: 39.937033
 LON: -80.569354

| LINE | BEARING | DISTANCE |
|------|-------------|----------|
| R1 | N13°44'05"W | 305.26' |
| R2 | N28°30'32"W | 420.13' |
| R3 | S71°24'57"W | 327.61' |
| R4 | N14°59'04"W | 1008.52' |
| R5 | S02°38'31"W | 1079.78' |

LEGEND

AS DRILLED SURFACE HOLE LOCATION ON 7.5' TOPOGRAPHIC MAP

AS DRILLED WELL

WATER SOURCE

LEASED NUMBER BASED ON ATTACHED WVA61

ALL ARE POINTS UNLESS OTHERWISE NOTED

MINERAL TRACT BOUNDARY

PARCEL LINES

PROPOSED HORIZONTAL WELL

AS DRILLED HORIZONTAL WELL

WELL REFERENCE

STREAM/WATERWAY

ROAD

- 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.

Waterfront Corporate Park III, Suite 101
 2000 Georgetown Drive
 Scranton, PA 15143

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

PVE

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

FILE #: SHL 27 EHS

DRAWING #: SHL 27 EHS

SCALE: 1"=2000'

MINIMUM DEGREE OF ACCURACY: 1/2500

PROVEN SOURCE OF ELEVATION: USGS MONUMENT U 124: 951.16'

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: JANUARY 18, 2019

OPERATOR'S WELL #: SHL 27 EHS

API WELL # 47 051 01939
 STATE COUNTY PERMIT

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

WATERSHED: WHEELING CREEK ELEVATION: 1,153.60'

COUNTY/DISTRICT: MARSHALL / WEBSTER QUADRANGLE: MAJORSVILLE, W. VA

SURFACE OWNER: STEVE WARD AND ED WARD ACREAGE: 122.47

OIL & GAS ROYALTY OWNER: BOUNTY MINERALS, LLC ACREAGE: 122.47

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 AS DRILLED DEPTH: TVD: 6,590' TMD: 16,219'

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



Well bottom is located on topo map 7,756 feet south of Latitude: 39° 57' 30"

Well bottom is located on topo map 7,765 feet west of Longitude: 80° 32' 30"

03/29/2019

AS DRILLED

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LON: -80.569354

LEGEND

 BOTTOM HOLE LOCATION ON 7.5' TOPOGRAPHIC MAP



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Civil Engineering | Land Development | Structure Design
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| LINE TABLE | | |
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