

Well is located on topo map 12,996 feet south of Latitude: 40° 00' 00"  
 BHL is located on topo map 7,871 feet south of Latitude: 39° 57' 30"

**Sheffler & Company, Inc.**  
 ENGINEERING • SURVEYING

1712 Mount Nebo Road  
 Sewickley, PA 15143  
 Phone: 412-219-4509  
 Email: Info@shefflerCo.com

**LEGEND**

- TOPO MAP POINT
- PROPOSED WELL
- PRIVATE WATER WELL
- SPRING LOCATION
- LEASED NUMBER BASED ON ATTACHED WVA1
- ALL ARE POINTS UNLESS OTHERWISE NOTED
- MINERAL TRACT BOUNDARY
- UNIT BOUNDARY
- PARCEL LINES
- PROPOSED HORIZONTAL WELL
- WELL REFERENCE
- WELLS WITHIN 3000'
- STREAM/POND/WATERWAY
- ROAD
- FORCE POOLED PARCEL

**WELLS WITHIN 3000'**  
 FIVE (5) WELLS WITHIN 3000'

**MONUMENT REFERENCE TABLE**

LINE NO	BEARING	DISTANCE
R1	N55°54'31"E	548.45'
R2	S19°47'05"W	332.20'
R3	N21°35'15"E	544.70'
R4	N80°56'11"E	1857.84'
R5	S5°44'14"E	797.88'

**SURFACE HOLE LOCATION (SHL)**

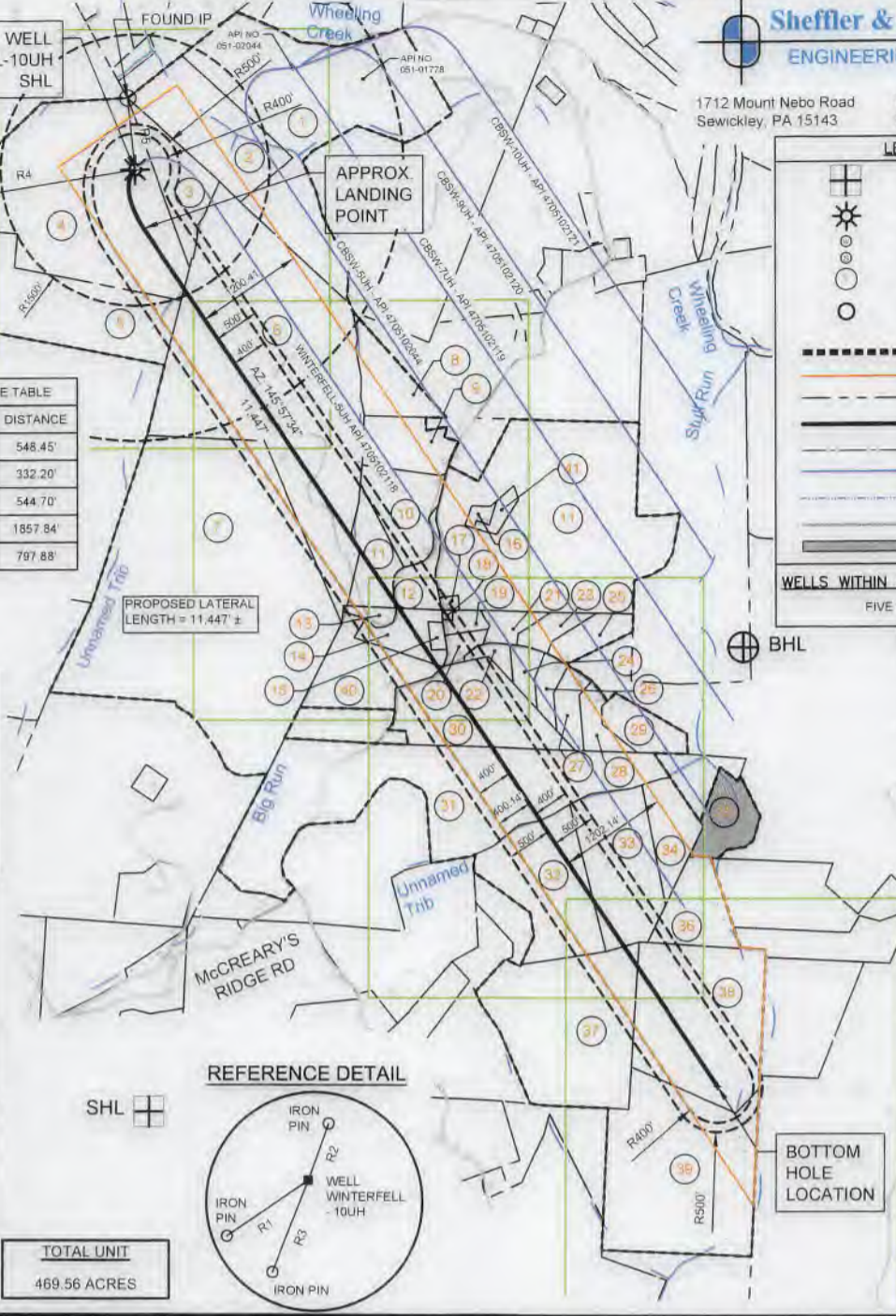
UTM 17 - NAD83  
 N: 4423865 277(m)  
 E: 532171 519(m)  
 NAD27 - WV NORTH  
 N: 535288 523(ft)  
 E: 1685084 942(ft)  
 LAT/LON - NAD83  
 LAT: N39 9643222(d)  
 LON: W80 6233029(d)

**APPROXIMATE LANDING POINT**

UTM 17 - NAD83  
 N: 4423668 034(m)  
 E: 532204 124(m)  
 NAD27 - WV NORTH  
 N: 534639 475(ft)  
 E: 1685181 116(ft)  
 LAT/LON - NAD83  
 LAT: N39 9625439(d)  
 LON: W80 6229309(d)

**BOTTOM HOLE LOCATION (BHL)**

UTM 17 - NAD83  
 N: 4420811 206(m)  
 E: 534204 496(m)  
 NAD27 - WV NORTH  
 N: 525154 827(ft)  
 E: 1691588 502(ft)  
 LAT/LON - NAD83  
 LAT: N39 9367263(d)  
 LON: W80 5996597(d)



**REFERENCE DETAIL**



- 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
  - Proposed well is greater than 1000' from surface/groundwater intake or public water supply
  - 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, are based on record deed descriptions, field evidence found and/or tax map position, unless otherwise noted
  - Mineral and Surface parcel lines are the same

**TOTAL UNIT**  
 469.56 ACRES

FILE #: WINTERFELL-10UH  
 DRAWING #: WINTERFELL - 10UH - R6.DWG  
 SCALE: 1"=2000'  
 MINIMUM DEGREE OF ACCURACY: 1/2500  
 PROVEN SOURCE OF ELEVATION: USGS MONUMENT JX0742: 1343.3'

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.: 21452 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: WHEELING CREEK - UPPER OHIO RIVER  
 COUNTY/DISTRICT: MARSHALL / WEBSTER  
 SURFACE OWNER: HARRIS, BRENDA J., ET AL  
 OIL & GAS ROYALTY OWNER: RONALD W. & CAROLIE M., TRUSTEES OF THE PLANTS FAMILY IRREVOCABLE TRUST DATED OCTOBER 2, 2008;  
 HARRIS, BRENDA J., WHITLATCH, DEBORAH; AND PLANTS, JAMES W.

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: POINT PLEASANT  
 WELL OPERATOR: AMERICAN PETROLEUM PARTNERS OPERATING, LLC  
 Address: 4600 J. BARRY COURT, SUITE 310  
 City: CANONSBURG State: PA Zip Code: 15317

DATE: July 26, 2018 - REV - October 15, 2018  
 OPERATOR'S WELL #: WINTERFELL-10UH  
 API WELL # 47 051 02106 #6A  
 STATE COUNTY PERMIT

ELEVATION: 1,145.44'  
 QUADRANGLE: MAJORSVILLE, WV  
 ACREAGE: 86.13 ACRES

ESTIMATED DEPTH: TVD: 11,395' ± TMD: 23,234' ±  
 DESIGNATED AGENT: STEVEN GREEN  
 Address: 300 SUMMERS ST, SUITE 1000  
 City: CHARLESTON State: WV Zip Code: 25301

Well is located on topo map 11,204 feet west of Longitude: 80° 35' 00"  
 BHL is located on topo map 4,578 feet west of Longitude: 80° 35' 00"

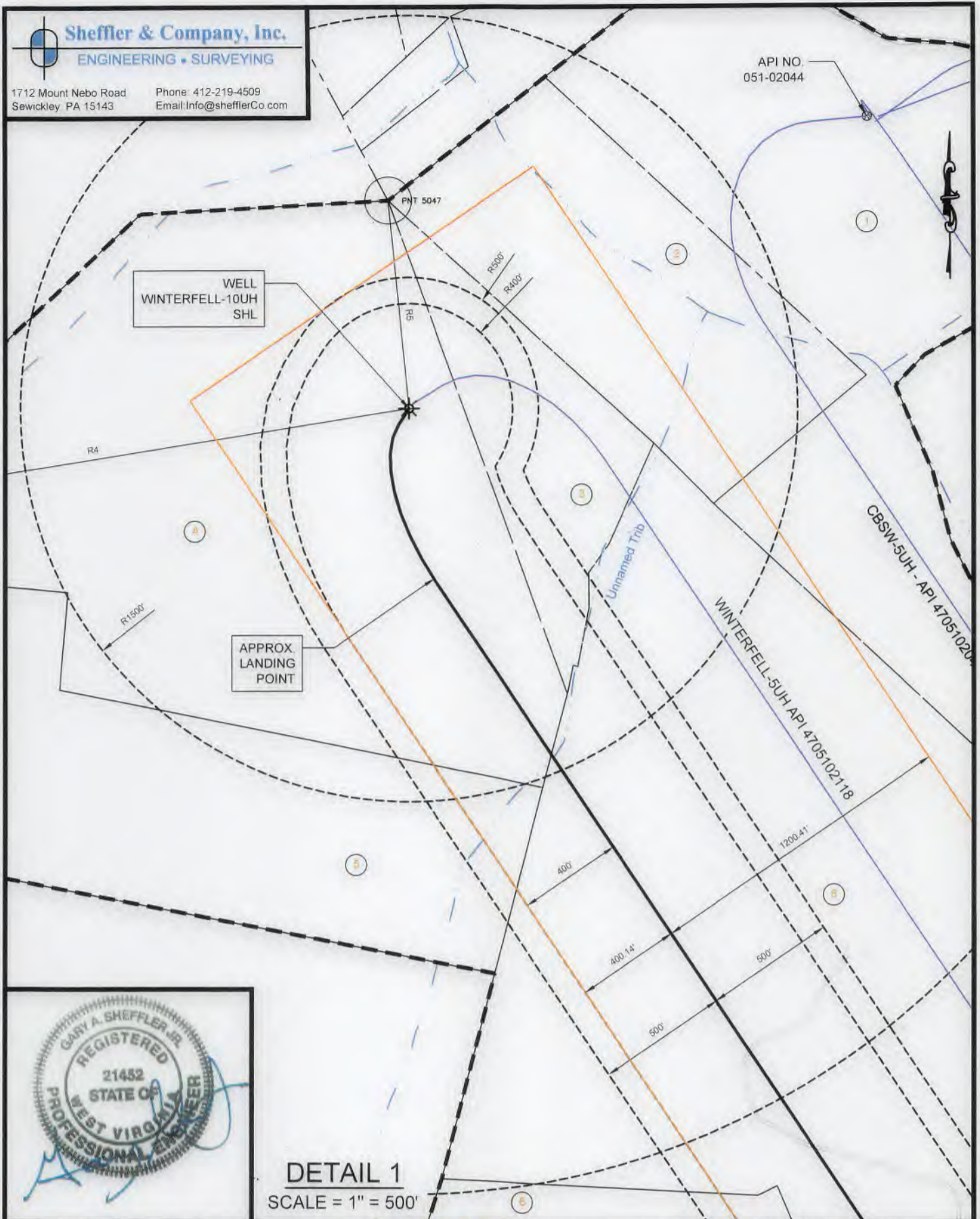


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API NO.  
051-02044



**DETAIL 1**  
SCALE = 1" = 500'

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



DATE: July 26, 2018 - REV - October 15, 2018

OPERATOR'S WELL #: WINTERFELL-10UH

API WELL # 47 051 02106 HGA  
STATE COUNTY PERMIT

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

WATERSHED: WHEELING CREEK - UPPER OHIO RIVER ELEVATION: 1,145.44'  
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SURFACE OWNER: HARRIS, BRENDA J., ET AL. ACREAGE: 86.13 ACRES  
OIL & GAS ROYALTY OWNER: RONALD W. & CAROLIE M., TRUSTEES OF THE PLANTS FAMILY IRREVOCABLE TRUST DATED OCTOBER 2, 2008;  
HARRIS, BRENDA J., WHITLATCH, DEBORAH, AND PLANTS, JAMES W. ACREAGE: 86.13

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PLUG OFF OLD FORMATION PERFORATE NEW FORMATION PLUG AND ABANDON  
CLEAN OUT & REPLUG  OTHER CHANGE  (SPECIFY)

TARGET FORMATION: POINT PLEASANT ESTIMATED DEPTH: TVD: 11,395' ± TMD: 23,234' ±  
WELL OPERATOR: AMERICAN PETROLEUM PARTNERS OPERATING, LLC DESIGNATED AGENT: STEVEN GREEN  
Address: 4600 J. BARRY COURT, SUITE 310 Address: 300 SUMMERS ST, SUITE 1000  
City: CANONSBURG State: PA Zip Code: 15317 City: CHARLESTON State: WV Zip Code: 25301