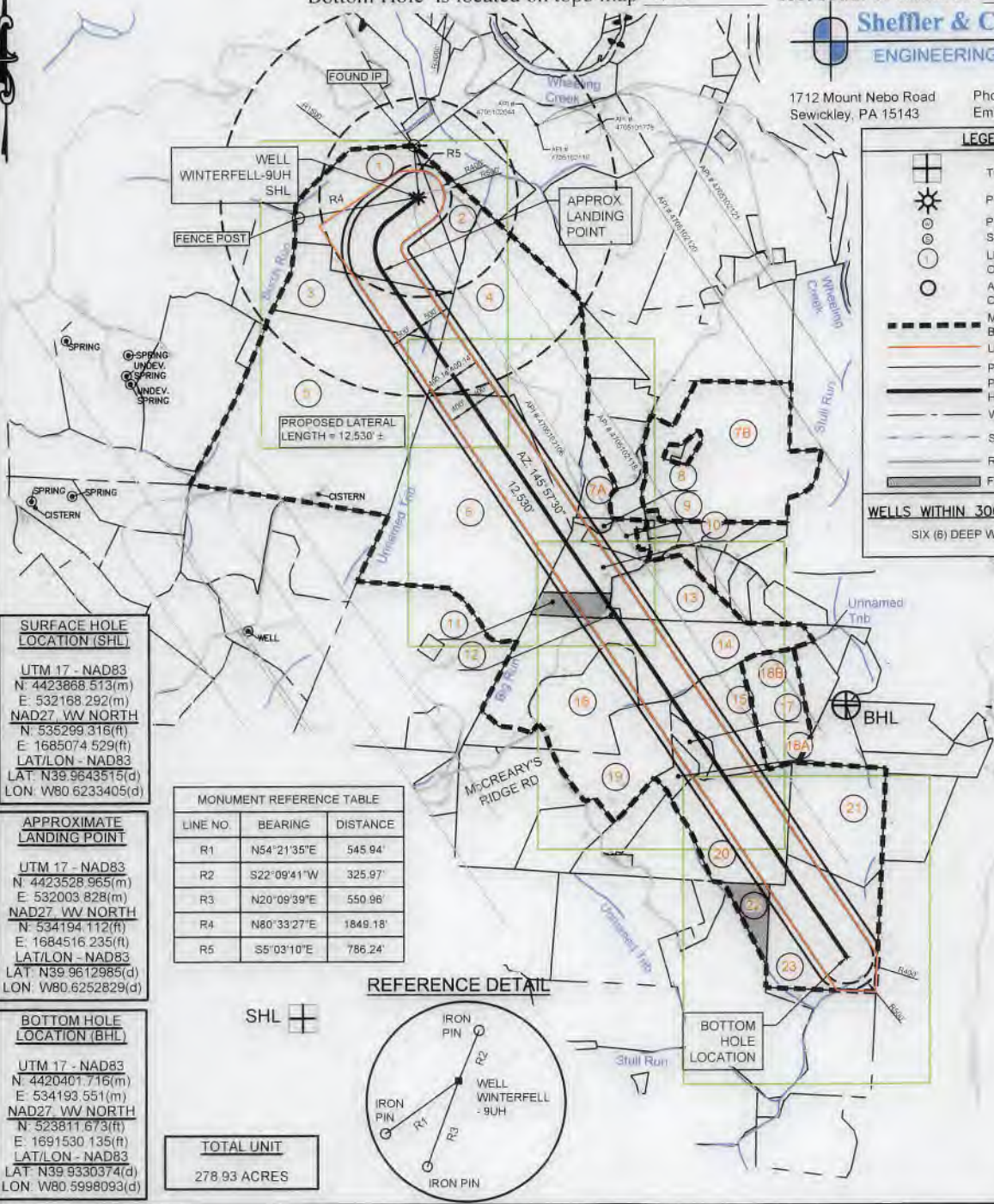


Well is located on topo map 12,986 feet south of Latitude: 40° 00' 00"
 Bottom Hole is located on topo map 9,215 feet south of Latitude: 39° 57' 30"

Sheffler & Company, Inc.
 ENGINEERING • SURVEYING
 1712 Mount Nebo Road
 Sewickley, PA 15143
 Phone: 412-219-4509
 Email: Info@shefflerCo.com

Well is located on topo map 11,214 feet west of Longitude: 80° 35' 00"
 Bottom Hole is located on topo map 4,620 feet west of Longitude: 80° 35' 00"



LEGEND

- TOP MAP POINT
- PROPOSED WELL
- PRIVATE WATER WELL
- SPRING LOCATION
- LEASED NUMBER BASED ON ATTACHED WM6A1
- ALL ARE POINTS UNLESS OTHERWISE NOTED
- MINERAL TRACT BOUNDARY
- UNIT BOUNDARY
- PARCEL LINES
- PROPOSED
- HORIZONTAL WELL
- WELL REFERENCE
- STREAM/POND/WATERWAY
- ROAD
- FORCE POOLED PARCEL

WELLS WITHIN 3000'
 SIX (6) DEEP WELLS WITHIN 3000'

- 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

SURFACE HOLE LOCATION (SHL)
 UTM 17 - NAD83
 N: 4423868.513(m)
 E: 532168.292(m)
 NAD27 VV NORTH
 N: 535299.316(ft)
 E: 1685074.529(ft)
 LAT/LON - NAD83
 LAT: N39.9643515(d)
 LON: W80.6233405(d)

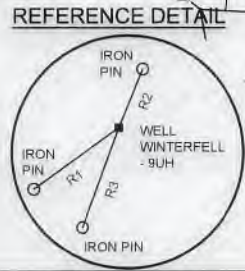
APPROXIMATE LANDING POINT
 UTM 17 - NAD83
 N: 4423528.965(m)
 E: 532003.828(m)
 NAD27 VV NORTH
 N: 534194.112(ft)
 E: 1684516.235(ft)
 LAT/LON - NAD83
 LAT: N39.9612985(d)
 LON: W80.6252829(d)

MONUMENT REFERENCE TABLE

LINE NO.	BEARING	DISTANCE
R1	N54°21'35"E	545.94'
R2	S22°09'41"W	325.97'
R3	N20°09'39"E	550.96'
R4	N80°33'27"E	1849.18'
R5	S5°03'10"E	786.24'

BOTTOM HOLE LOCATION (BHL)
 UTM 17 - NAD83
 N: 4420401.716(m)
 E: 534193.551(m)
 NAD27 VV NORTH
 N: 523811.673(ft)
 E: 1691530.135(ft)
 LAT/LON - NAD83
 LAT: N39.9330374(d)
 LON: W80.5998093(d)

TOTAL UNIT
 278.93 ACRES



FILE #: WINTERFELL-9UH
 DRAWING #: WINTERFELL - 9UH - R5.DWG
 SCALE: 1"=2500'
 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

DATE: July 26, 2018 - REV - November 26, 2018
 OPERATOR'S WELL #: WINTERFELL-9UH
 API WELL # 47 051 02134166A
 STATE COUNTY PERMIT

WATERSHED: WHEELING CREEK - UPPER OHIO RIVER ELEVATION: 1,145.44'
 COUNTY/DISTRICT: MARSHALL / WEBSTER QUADRANGLE: MAJORSVILLE, WV
 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

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 ESTIMATED DEPTH: TVD: 11,395' ± TMD: 24,861' ±
 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



4705102134

03/22/2019

Well Site
 E=532186.4
 N=4423908.7
 (UTM NAD83)

Intersection with Public Road
 E=531607.6
 N=4420860.9
 (UTM NAD83)

RECEIVED
 Office of Oil and Gas
 NOV 14 2018
 WV Department of
 Environmental Protection

Winterfell Drill Pad 911 Address:
 1500 Oxen Drive, Moundsville, WV 26041

Winterfell 9UH
 Surface Location Coordinates
 9UH = -80.623341, 39.964352

0 1,500 3,000 6,000 9,000 12,000 Feet

Winterfell 9UH - Well Site

Marshall County
 West Virginia

Coordinate System: NAD 1983 UTM Zone 17N
 Projection: Transverse Mercator
 Datum: North American 1983
 Linear Units: Meter

Map Scale Units:
 1:18,000
 1 inch = 1,500 feet

Map Author: JKS
 Map Date: 8/20/2018

- Well SHL
- Well Pad
- 1 mile Buffer

- Access Rd Intersection
- Access Road

