

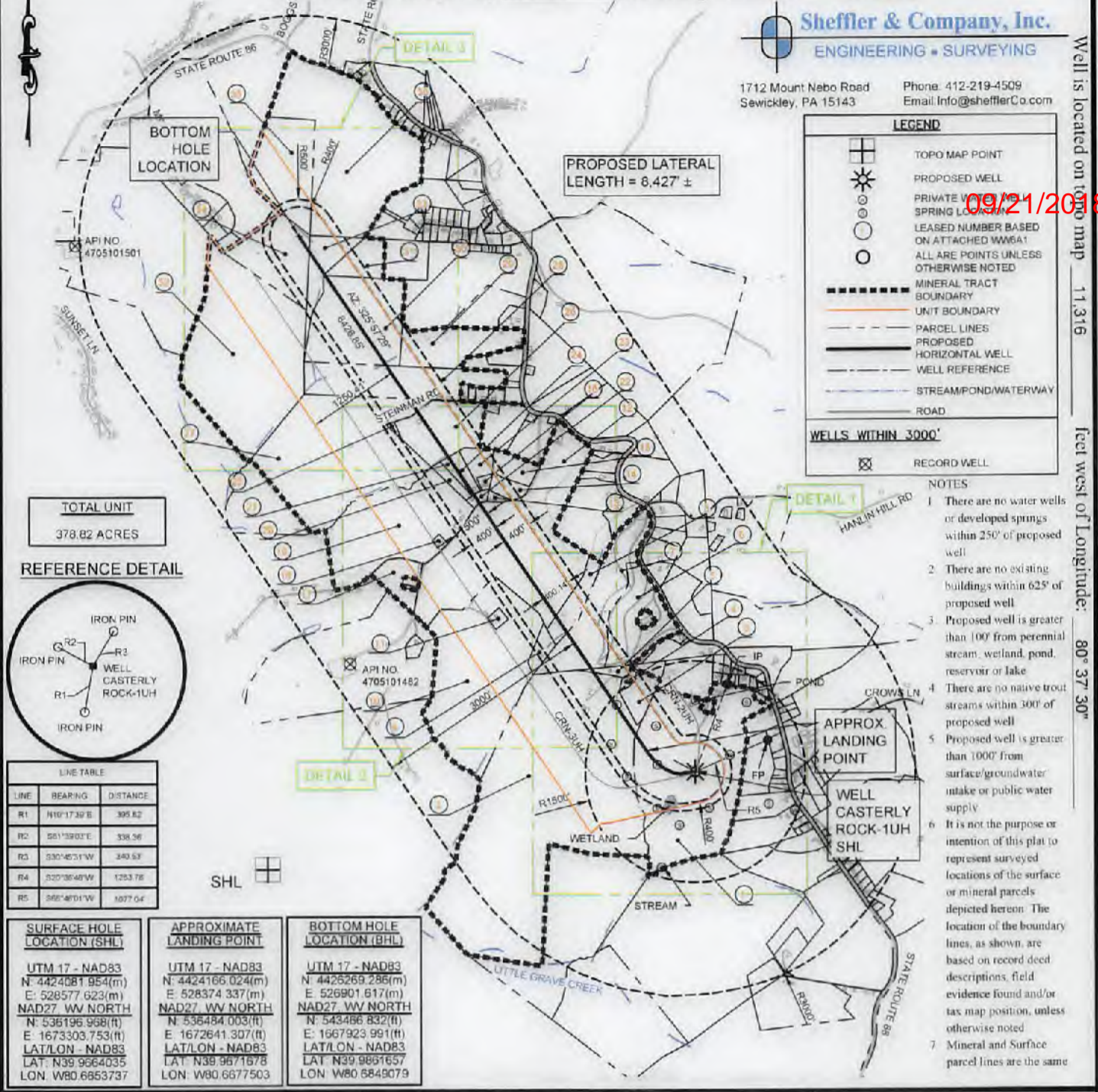
Well is located on topo map 12.238 feet south of Latitude: 40° 00' 00"

Sheffler & Company, Inc.
ENGINEERING • SURVEYING

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

Well is located on topo map 11.316 feet west of Longitude: 80° 37' 30"

09/21/2018



LEGEND

- TOPO MAP POINT
- PROPOSED WELL
- PRIVATE WELL
- SPRING LOCATION
- LEASED NUMBER BASED ON ATTACHED WWS&T
- ALL ARE POINTS UNLESS OTHERWISE NOTED
- MINERAL TRACT BOUNDARY
- UNIT BOUNDARY
- PARCEL LINES
- PROPOSED HORIZONTAL WELL
- WELL REFERENCE
- STREAM/POND/WATERWAY
- ROAD

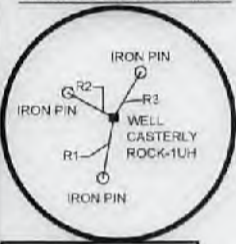
WELLS WITHIN 3000'

- RECORD WELL

- 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, are based on record deed descriptions, field evidence found and/or tax map position, unless otherwise noted
 - 7 Mineral and Surface parcel lines are the same

TOTAL UNIT
378.82 ACRES

REFERENCE DETAIL



LINE TABLE

LINE	BEARING	DISTANCE
R1	R10°17'39"E	395.82
R2	S51°39'03"E	338.56
R3	S30°40'51"W	340.53
R4	S20°38'46"W	1253.78
R5	S85°48'01"W	1077.04

SURFACE HOLE LOCATION (SHL)
UTM 17 - NAD83
N: 4424081.954(m)
E: 528577.623(m)
NAD27 - WV NORTH
N: 536196.968(ft)
E: 1673303.753(ft)
LAT: N39 9664035
LON: W80 66653737

APPROXIMATE LANDING POINT
UTM 17 - NAD83
N: 4424166.024(m)
E: 528374.337(m)
NAD27 - WV NORTH
N: 536484.003(ft)
E: 1672641.307(ft)
LAT/LON - NAD83
LAT: N39 9671678
LON: W80 6677503

BOTTOM HOLE LOCATION (BHL)
UTM 17 - NAD83
N: 4425269.286(m)
E: 526901.617(m)
NAD27 - WV NORTH
N: 543486.832(ft)
E: 1667923.991(ft)
LAT/LON - NAD83
LAT: N39 9661657
LON: W80 6649079

FILE #: CASTERLY ROCK-1UH
DRAWING #: CRN-1UH_REV3.DWG
SCALE: 1"=2000'
MINIMUM DEGREE OF ACCURACY: 1/2500
PROVEN SOURCE OF ELEVATION: USGS MONUMENT JX0787- 1319.9'

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.: 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: SHORT CREEK - OHIO RIVER ELEVATION: 1,338.53'
COUNTY/DISTRICT: MARSHALL / UNION QUADRANGLE: MOUNDSVILLE, WV
SURFACE OWNER: LESLIE B. & LORI D. SCHABER ACREAGE: 71.75
OIL & GAS ROYALTY OWNER: CAROL A. WENSYEL A/K/A CAROL A. MILLER, ACTING AS TRUSTEE FOR THE CAROL A. WENSYEL IRREVOCABLE TRUST DATED OCTOBER 28, 2010 AND JOHN F. MILLER, SR. TRUSTEE OF THE JOHN F. MILLER, SR. IRREVOCABLE TRUST, DATED OCTOBER 28, 2010. TRUST ACREAGE: 73.74

DATE: May 22, 2018 - REV ---
OPERATOR'S WELL #: CASTERLY ROCK-1UH
API WELL # 47 051 D2047H16A
STATE COUNTY PERMIT

DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE
PLUG OFF OLD FORMATION PERFORATE NEW FORMATION PLUG AND ABANDON
CLEAN OUT & REPLUG OTHER CHANGE (SPECIFY)

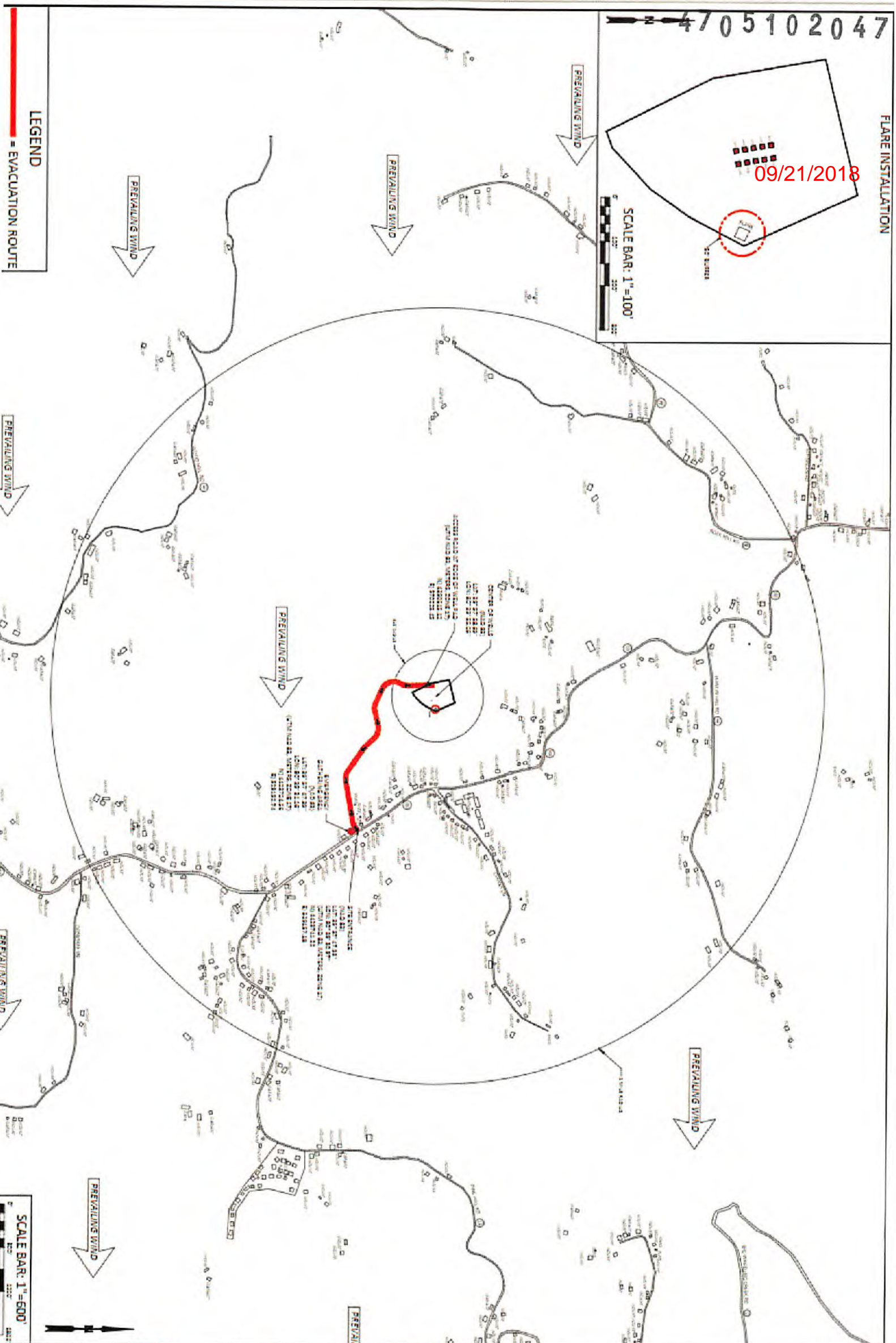
TARGET FORMATION: POINT PLEASANT ESTIMATED DEPTH: TVD: 11,395' ± TMD: 20,271.09' ±
WELL OPERATOR: AMERICAN PETROLEUM PARTNERS, LLC DESIGNATED AGENT: STEVEN GREEN
Address: 4600 J. BARRY COURT, SUITE 310 Address: 300 SUMMERS ST, SUITE 1000
City CANONSBURG State PA Zip Code 15317 City CHARLESTON State WV Zip Code 25301

09/21/2018

SCALE BAR: 1"=100'



LEGEND
= EVACUATION ROUTE



SCALE BAR: 1"=600'



NO.	REVISIONS	DATE

DATE:
FEBRUARY 2018
CASTLE ROCK
WELL PAD
UNION DISTRICT
MARSHALL COUNTY,
WV

EVACUATION ROUTE/PREVAILING WIND

THIS DOCUMENT WAS PREPARED BY:
BOORD, BENCHEK AND ASSOC., INC.
FOR: AMERICAN PETROLEUM PARTNERS OPERATING, LLC.

BOORD, BENCHEK and ASSOC., INC.
Engineering, Surveying, Construction,
and Mining Services

Southpointe, PA 15317 Phone: 724-746-1055