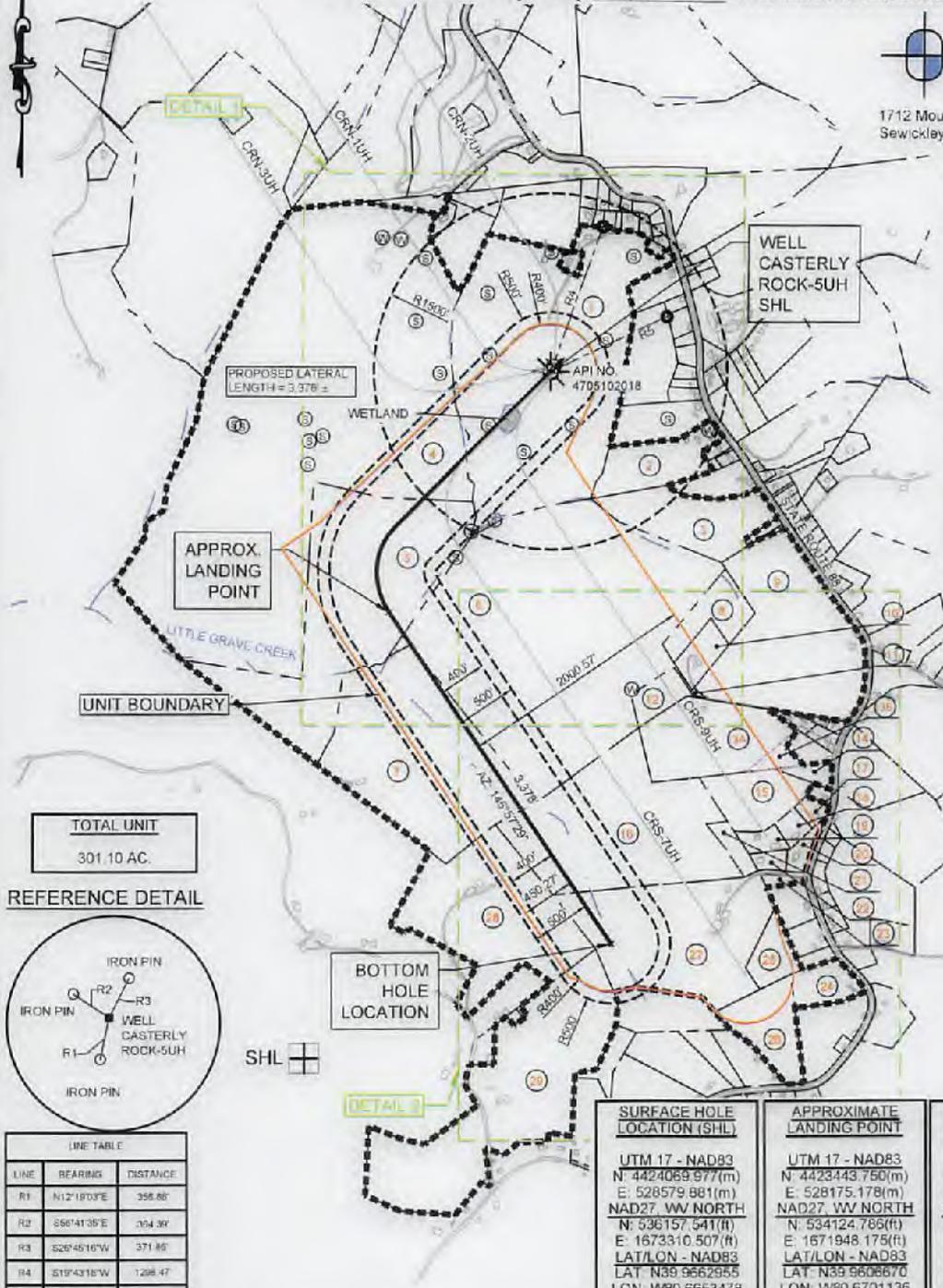


Well is located on topo map 12,278 feet south of Latitude: 40° 00' 00"

Sheffler & Company, Inc.
ENGINEERING • SURVEYING

1712 Mount Nebo Road Phone: 412-219-4508
Sewickley, PA 15143 Email: info@shefflerco.com

Well is located on topo map 11,309 feet west of Longitude: 80° 37' 30"



LEGEND

- TOPO MAP POINT
- PROPOSED WELL
- PRIVATE WELL
- SPRING LOCATION
- LEASED NUMBER BASED ON ATTACHED WMA1
- ALL ARE POINTS UNLESS OTHERWISE NOTED
- MINERAL TRACT BOUNDARY
- UNIT BOUNDARY
- PARCEL LINES
- MINERAL PARCEL LINES
- PROPOSED HORIZONTAL WELL
- WELL REFERENCE
- STREAM/POND/WATERWAY
- ROAD

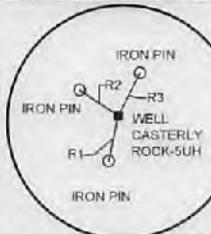
WELLS WITHIN 3000'

- 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 except for #13 above.

TOTAL UNIT
301.10 AC.

REFERENCE DETAIL



| LINE | BEARING | DISTANCE |
|------|-------------|----------|
| R1 | S12°19'03"E | 356.68' |
| R2 | S66°41'35"E | 354.39' |
| R3 | S26°45'16"W | 371.85' |
| R4 | S19°43'18"W | 1288.47' |
| R5 | S6°44'00"W | 1587.60' |

| SURFACE HOLE LOCATION (SHL) | APPROXIMATE LANDING POINT | BOTTOM HOLE LOCATION (BHL) |
|---|---|---|
| UTM 17 - NAD83 N: 4424069.977(m) E: 528579.881(m) NAD27 - WV NORTH N: 536157.541(ft) E: 1673310.507(ft) LAT/LON - NAD83 LAT: N39.9662955 LON: W80.6653478 | UTM 17 - NAD83 N: 4423443.750(m) E: 528175.178(m) NAD27 - WV NORTH N: 534124.786(ft) E: 1671948.175(ft) LAT/LON - NAD83 LAT: N39.9608670 LON: W80.6701136 | UTM 17 - NAD83 N: 4422601.121(m) E: 528765.194(m) NAD27 - WV NORTH N: 531327.268(ft) E: 1673838.065(ft) LAT/LON - NAD83 LAT: N39.9530553 LON: W80.6632429 |

FILE #: CASTERLY ROCK-5UH

DRAWING #: CRSW-5UH-R5.DWG

SCALE: 1"=1500'

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: [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: 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: June 22, 2018 -- REV -- July 18, 2018

OPERATOR'S WELL #: CASTERLY ROCK-5UH

API WELL # 47 051 02071166A

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: 18,484' ±

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