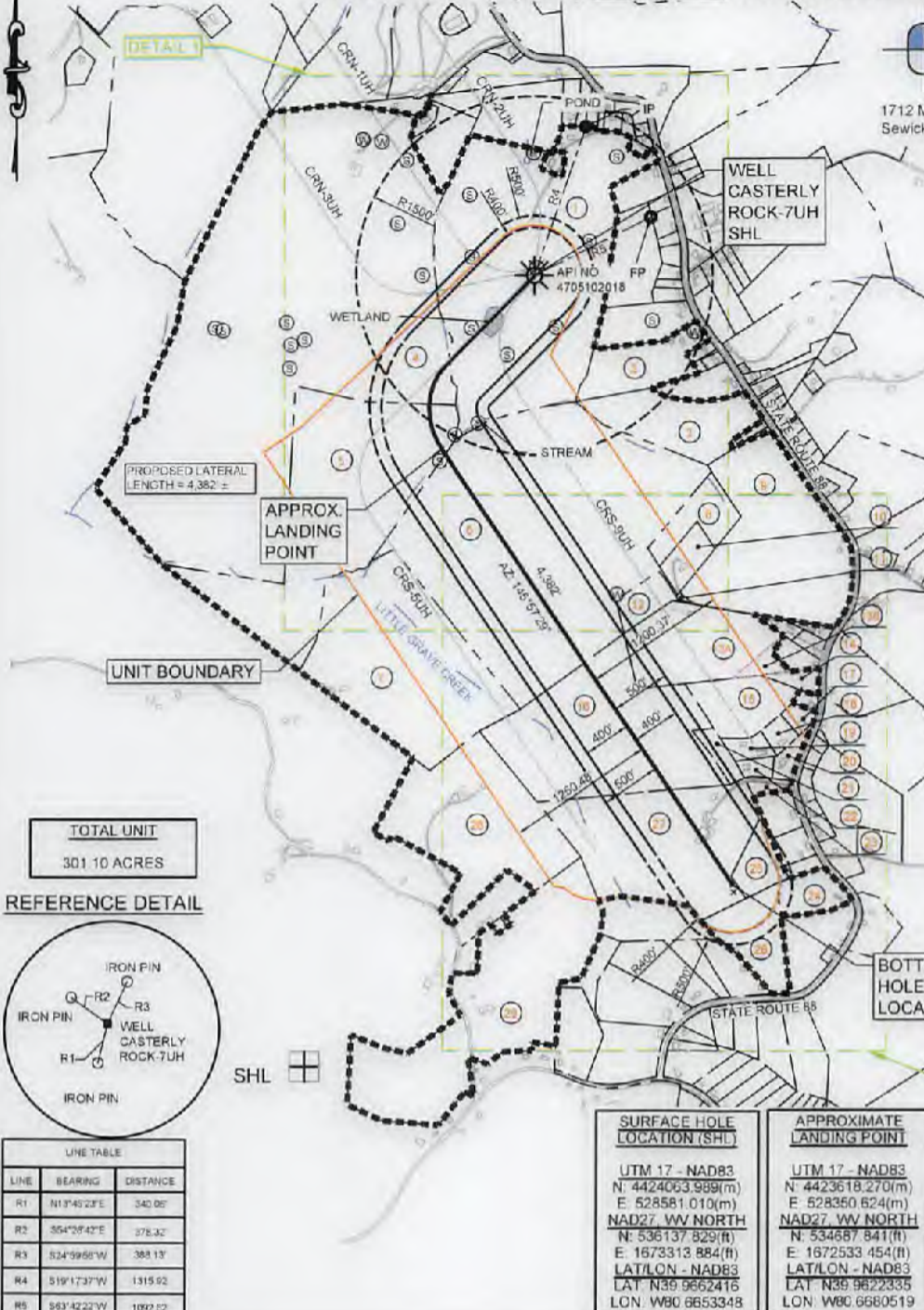


Well is located on topo map 12,297 feet south of Latitude: 40° 00' 00"

Sheffler & Company, Inc.
ENGINEERING • SURVEYING

1712 Mount Nebo Road
Sewickley, PA 15143
Phone: 412-219-4506
Email: Info@shefflerCo.com

Well is located on topo map 11,305 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

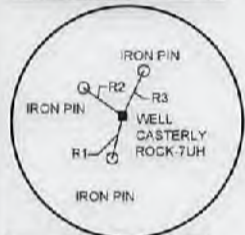
WELLS WITHIN 3000'

- RECORD WELL

- NOTES**
- 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 except for #13 above

TOTAL UNIT
301.10 ACRES

REFERENCE DETAIL



LINE TABLE

LINE	BEARING	DISTANCE
R1	N13°45'23"E	340.00'
R2	S54°28'42"E	578.32'
R3	S24°39'58"W	385.13'
R4	S19°17'37"W	1315.92'
R5	S63°42'22"W	1092.52'

SURFACE HOLE LOCATION (SHL)	APPROXIMATE LANDING POINT	BOTTOM HOLE LOCATION (BHL)
UTM 17 - NAD83 N: 4424063.989(m) E: 528581.010(m) NAD27 - WV NORTH N: 536137.829(ft) E: 1673313.884(ft) LAT/LON - NAD83 LAT: N39.9662416 LON: W80.6653348	UTM 17 - NAD83 N: 4423618.270(m) E: 528350.624(m) NAD27 - WV NORTH N: 534687.841(ft) E: 1672533.454(ft) LAT/LON - NAD83 LAT: N39.9622335 LON: W80.6680519	UTM 17 - NAD83 N: 4422525.042(m) E: 529115.111(m) NAD27 - WV NORTH N: 531058.337(ft) E: 1674985.400(ft) LAT/LON - NAD83 LAT: N39.9523578 LON: W80.6591381

FILE #: CASTERLY ROCK-7UH
DRAWING #: CRSW-7UH-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: *Sheffler*
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



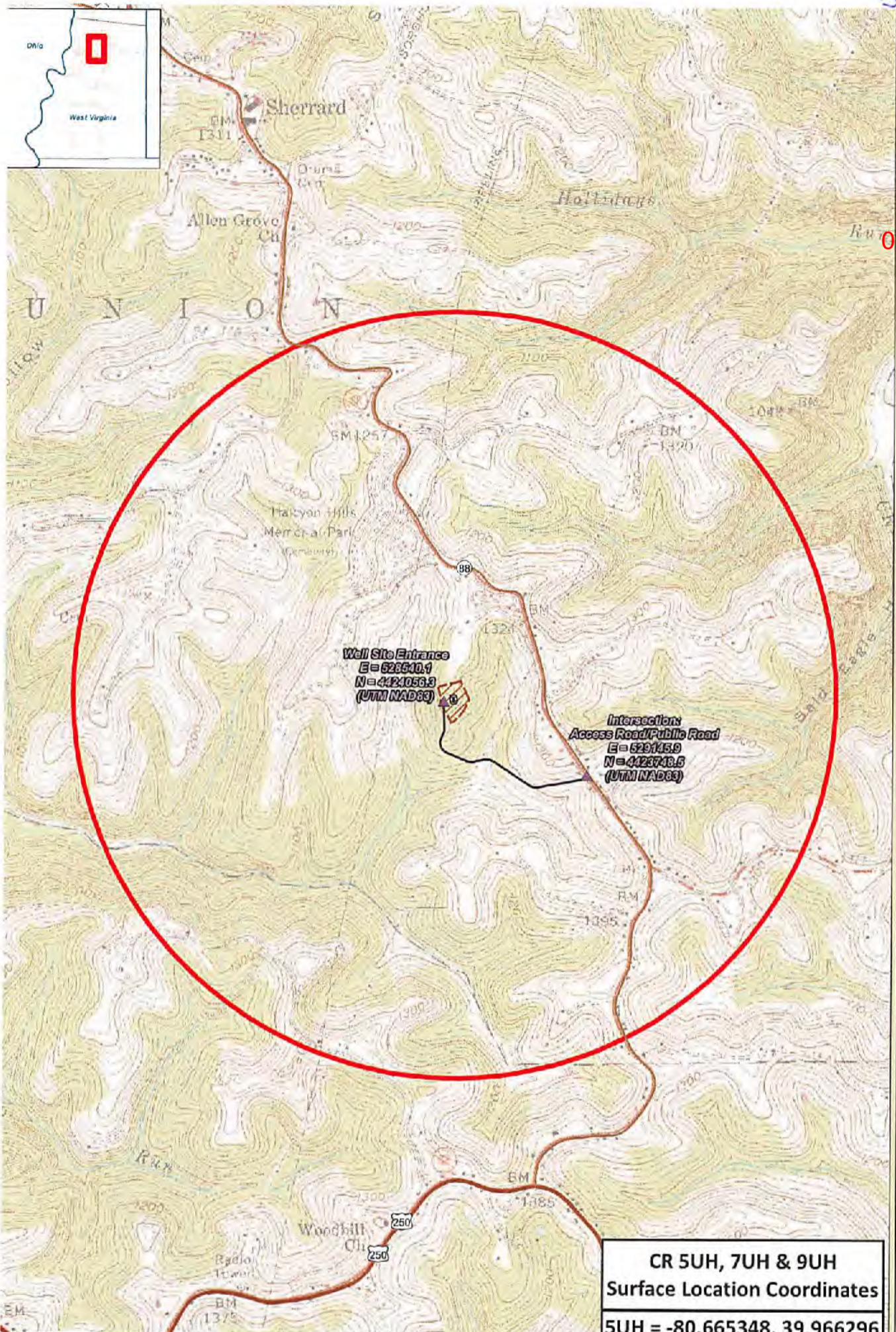
DATE: June 22, 2018 --- REV --- July 18, 2018
OPERATOR'S WELL #: CASTERLY ROCK-7UH
API WELL # 47 051 02072HG6A
STATE COUNTY PERMIT

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: 16,963' ±
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



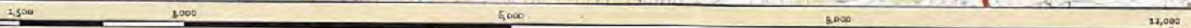
Well Site Entrance
 E=628640.4
 N=4424056.3
 (UTM NAD83)

Intersections:
 Access Road/Public Road
 E=529145.9
 N=4423748.6
 (UTM NAD83)

**CR 5UH, 7UH & 9UH
 Surface Location Coordinates**

5UH = -80.665348, 39.966296
 7UH = -80.665335, 39.966242
 9UH = -80.665322, 39.966188

**Casterly Rock Drill Pad 911 Address:
 5775 Fairmont Pike Rd, Wheeling, WV 26003**



CR 5UH, 7UH & 9UH - Well Site

Marshall County
 West Virginia
 Coordinate System: Coordinate System: NAD 83 UTM Zone 18N
 Projection: Transverse Mercator
 Datum: North American 1983
 Linear Units: Meter
 Map Scale Units: 1:18,000
 1 Inch = 1,500 Feet
 Map Author: JRS
 Map Date: 09/2018

- Well SHL
- Well Pad
- 1 mile Buffer
- Access Rd Intersection
- Access Road
- US Route
- State Route

