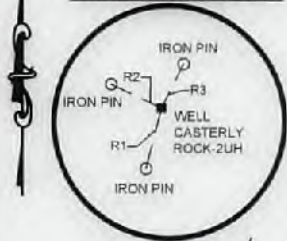


REFERENCE DETAIL

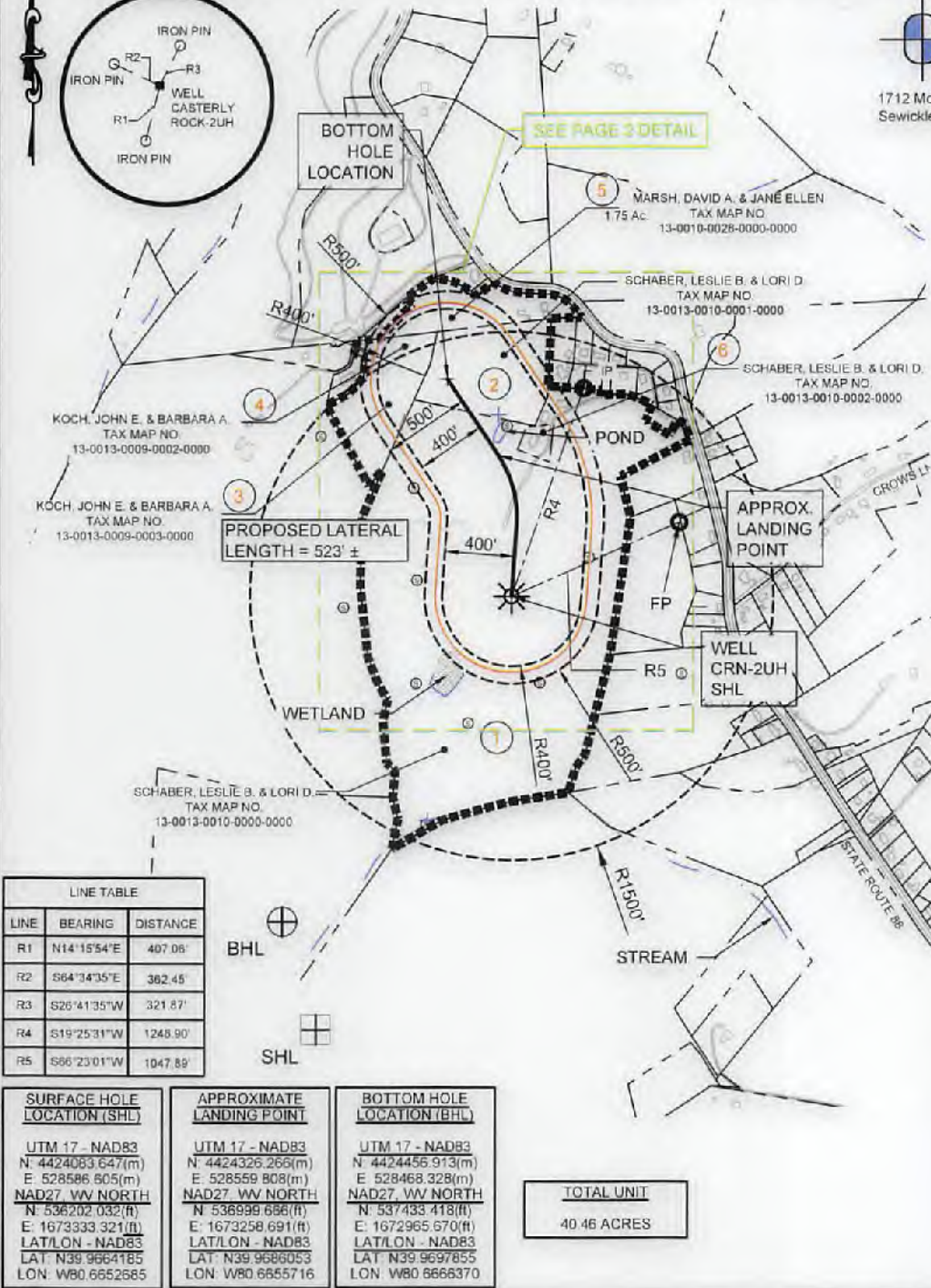
Well is located on topo map 12,233 feet south of Latitude: 40° 00' 00"



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 11,287 feet west of Longitude: 80° 37' 30"



LEGEND

- BHL - TOPO MAP POINT
- SHL - TOPO MAP POINT
- PROPOSED WELL
- PRIVATE WATER WELL
- SPRING LOCATION
- LEASED NUMBER BASED ON ATTACHED WMB#1
- ALL ARE POINTS UNLESS OTHERWISE NOTED
- MINERAL TRACT BOUNDARY
- PARCEL LINES
- PROPOSED HORIZONTAL WELL
- WELL REFERENCE
- STREAM/POND/WATERWAY
- ROAD
- UNIT BOUNDARY

WELLS WITHIN 3000'

NO WELLS WITHIN 3000 FEET

LINE TABLE

LINE	BEARING	DISTANCE
R1	N14°15'54"E	407.06'
R2	S64°34'35"E	362.45'
R3	S26°41'35"W	321.87'
R4	S19°25'31"W	1248.90'
R5	S66°23'01"W	1047.89'

- 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.

SURFACE HOLE LOCATION (SHL)	APPROXIMATE LANDING POINT	BOTTOM HOLE LOCATION (BHL)
UTM 17 - NAD83 N: 4424083.647(m) E: 528586.805(m) NAD27 - WV NORTH N: 536202.032(ft) E: 1673333.321(ft) LAT/LON - NAD83 LAT: N39.9664185 LON: W80.6652585	UTM 17 - NAD83 N: 4424326.266(m) E: 528559.808(m) NAD27 - WV NORTH N: 536999.688(ft) E: 1673258.691(ft) LAT/LON - NAD83 LAT: N39.9666053 LON: W80.6655716	UTM 17 - NAD83 N: 4424456.913(m) E: 528468.328(m) NAD27 - WV NORTH N: 537433.418(ft) E: 1672965.670(ft) LAT/LON - NAD83 LAT: N39.9697855 LON: W80.6668370

TOTAL UNIT
40.46 ACRES

FILE # CASTERLY ROCK-2UH

DRAWING # CRN-2UH-SHORT-REV5.DWG

SCALE: 1"=1000'

MINIMUM DEGREE OF ACCURACY: 1/2500

PROVEN SOURCE OF ELEVATION: USGS MONUMENT JX0767 - 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: 1,337.89'

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

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: 12,458.88' ±

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



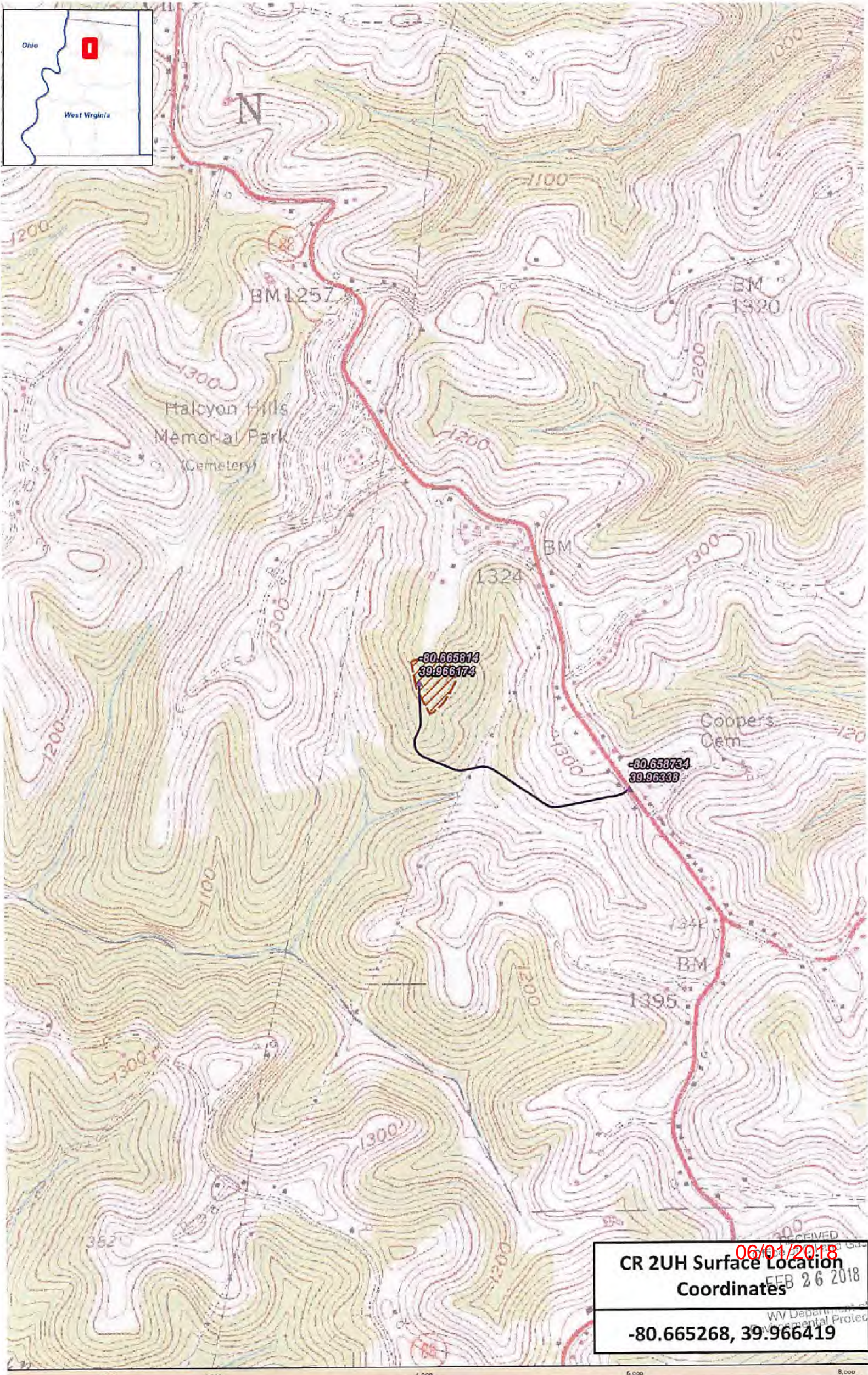
DATE: January 18, 2018 - REV - May 21, 2018

OPERATOR'S WELL #: CASTERLY ROCK-2UH

API WELL # 47 051 02018H6A

STATE COUNTY PERMIT

06/01/2018



06/01/2018
RECEIVED
FEB 26 2018
CR 2UH Surface Location
Coordinates
-80.665268, 39.966419
WV Department of Environmental Protection