

Surface Hole Well is located on topo map 12,257 feet south of Latitude: 40° 00' 00"  
 Bottom Hole Well is located on topo map 2,106 feet south of Latitude: 39° 57' 30"

**Sheffler & Company, Inc.**  
 ENGINEERING • SURVEYING

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

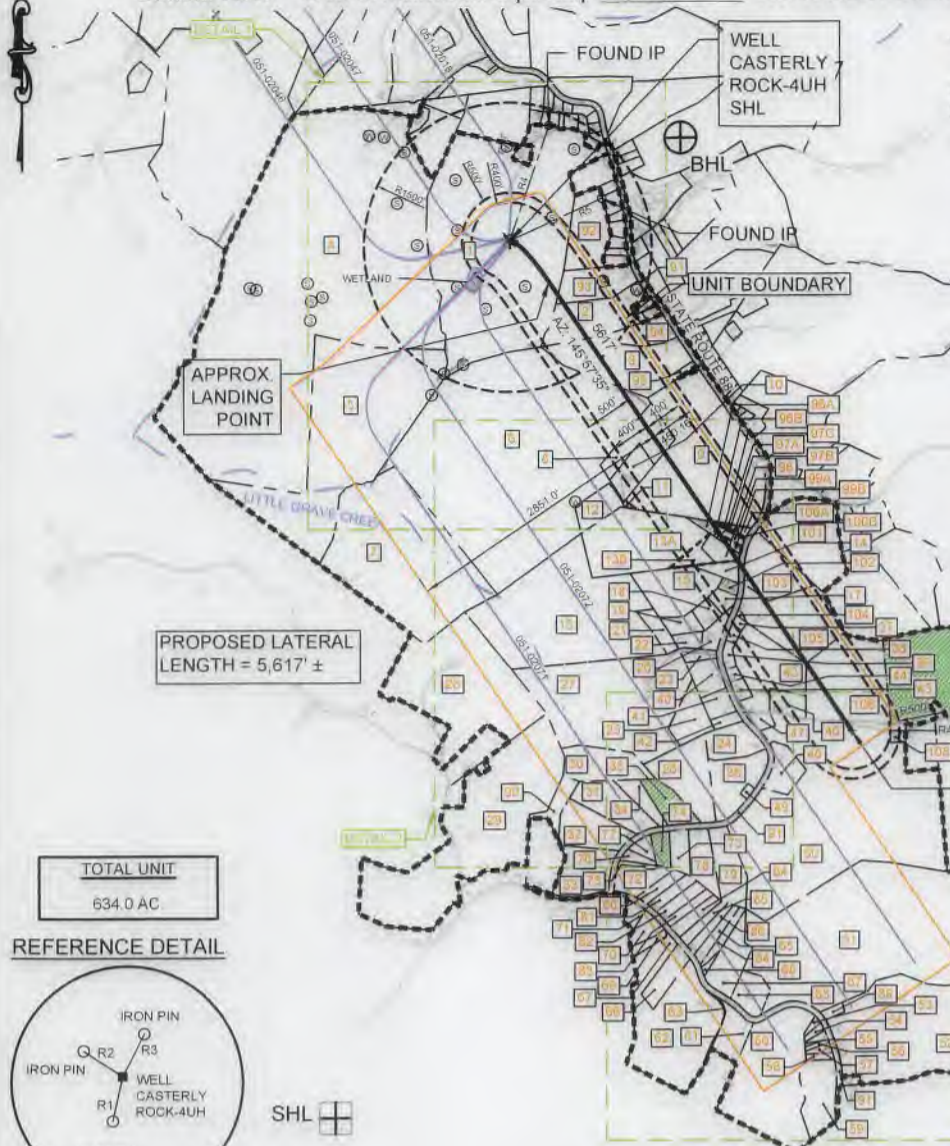
**LEGEND**

- TOPO MAP POINT
- PROPOSED WELL
- PRIVATE WATER WELL
- SPRING LOCATION
- LEASED NUMBER BASED ON ATTACHED WW6A1
- 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
- FORCE POOLED PARCEL

**WELLS WITHIN 3000'**

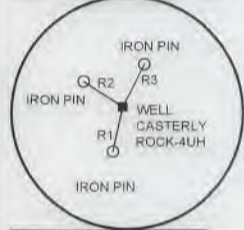
- SIX (6) DEEP WELLS WITHIN 3000 FT

- 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, #96, #97, #99 & #100 above.



**TOTAL UNIT**  
634.0 AC

**REFERENCE DETAIL**



LINE	BEARING	DISTANCE
R1	N15°27'47"E	388.87'
R2	S62°04'19"E	374.32'
R3	S24°40'51"W	339.17'
R4	S18°59'04"W	1266.41'
R5	S85°19'37"W	1052.88'

SURFACE HOLE LOCATION (SHL)	APPROXIMATE LANDING POINT	BOTTOM HOLE LOCATION (BHL)
UTM 17 - NAD83 N: 4424077.6581(m) E: 528587.7348(m) NAD27 - WV NORTH N: 536182.320(ft) E: 1673336.699(ft) LAT/LON - NAD83 LAT: N39.9663645(d) LON: W80.6652555(d)	UTM 17 - NAD83 N: 4423950.9677(m) E: 528712.9987(m) NAD27 - WV NORTH N: 535759.702(ft) E: 1673740.797(ft) LAT/LON - NAD83 LAT: N39.9652188(d) LON: W80.6637943(d)	UTM 17 - NAD83 N: 4422549.0556(m) E: 529694.6259(m) NAD27 - WV NORTH N: 531105.367(ft) E: 1676885.064(ft) LAT/LON - NAD83 LAT: N39.9525541(d) LON: W80.6523645(d)

FILE #: CASTERLY ROCK-4UH

DRAWING #: CRSW-4UH-LONG-R3.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: 73.79

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. ACREAGE: 73.79

DATE: November 14, 2018 - REV - December 13, 2018

OPERATOR'S WELL #: CASTERLY ROCK-4UH

API WELL # 47 051 02135 Hld A

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: 17,347' ±

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

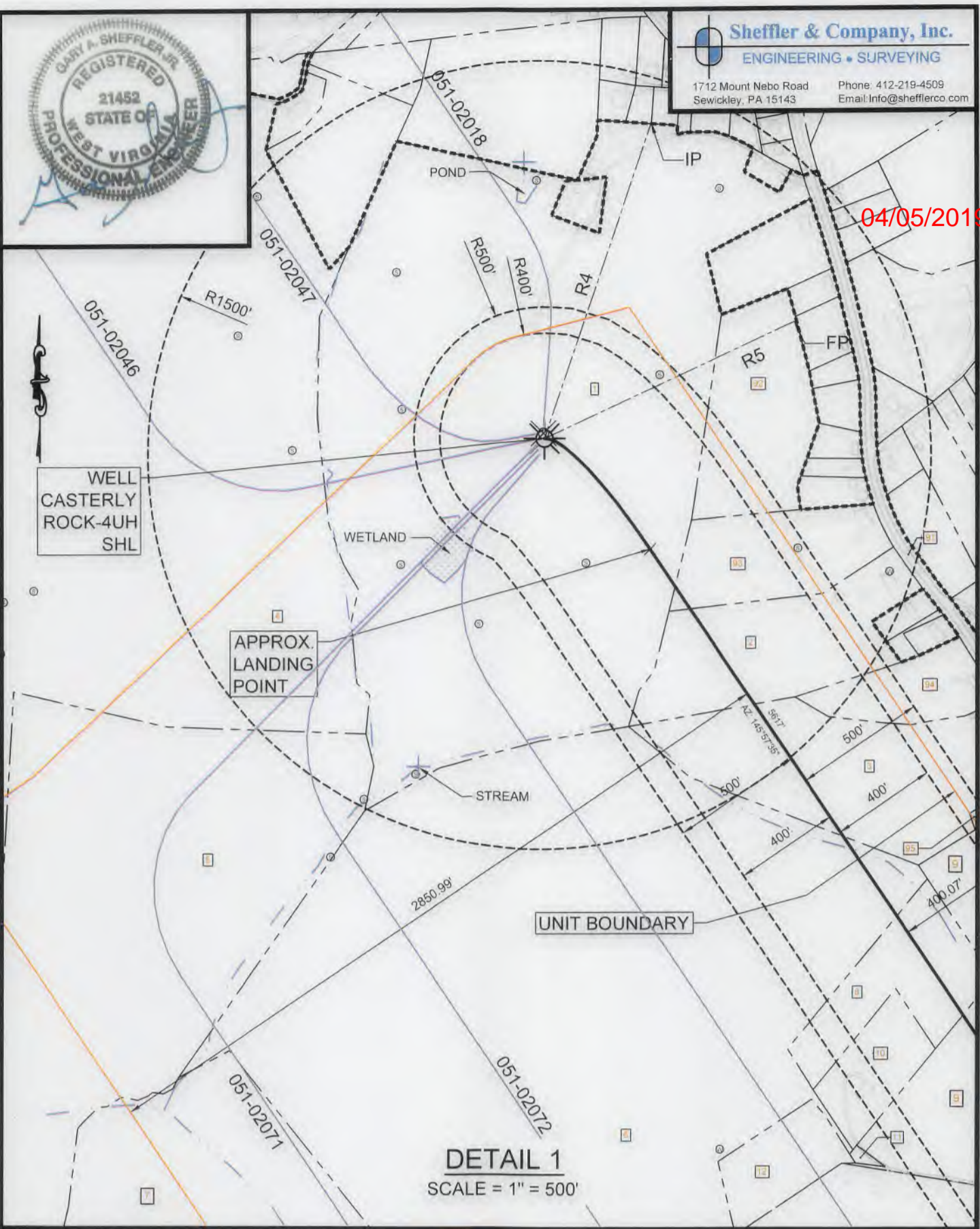
Well is located on topo map 11,287 feet west of Longitude: 80° 37' 30"  
 Well is located on topo map 7,675 feet west of Longitude: 80° 37' 30"

04/05/2019



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**DETAIL 1**  
 SCALE = 1" = 500'

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04/05/2019



**DETAIL 2**  
SCALE = 1" = 500'

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API WELL # 47 051 0213546A  
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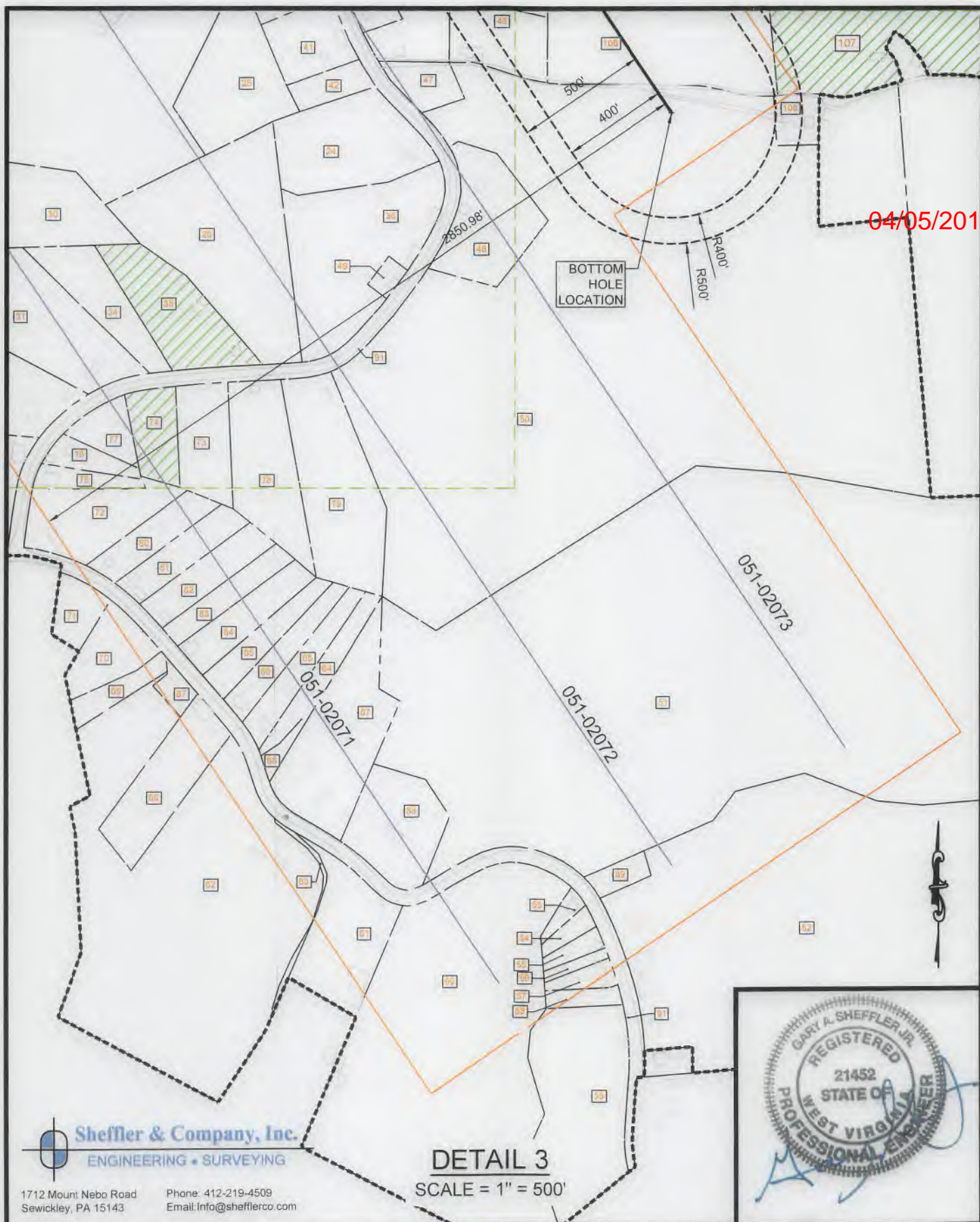
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**DETAIL 3**  
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OFFICE OF OIL & GAS  
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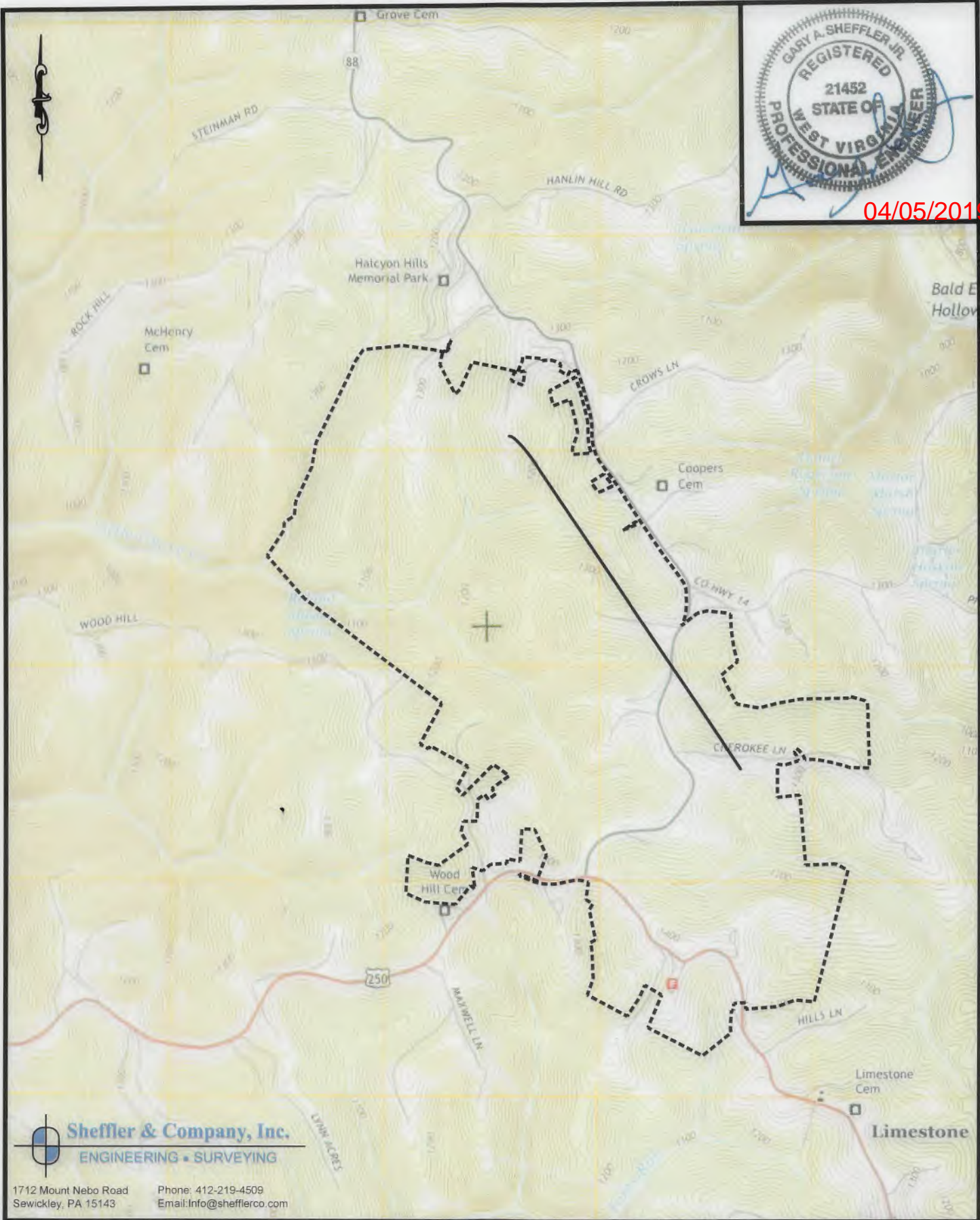
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