

**SURFACE HOLE LOCATION (SHL)**

UTM 17 - NAD83  
 N: 4363432.833(m)  
 E: 515367.079(m)  
 NAD27 - WV NORTH  
 N: 337903.253(ft)  
 E: 1626634.671(ft)  
 LAT/LON - NAD83  
 LAT: N39.4202839  
 LON: W80.8214732

**APPROXIMATE LANDING POINT**

UTM 17 - NAD83  
 N: 4363091.565(m)  
 E: 516282.646(m)  
 NAD27 - WV NORTH  
 N: 336733.160(ft)  
 E: 1629620.430(ft)  
 LAT/LON - NAD83  
 LAT: N39.4171921  
 LON: W80.8108450

Well is located on topo map **13,859** feet south of Latitude: **39° 27' 30"**

**BOTTOM HOLE LOCATION (BHL)**

UTM 17 - NAD83  
 N: 4360781.554(m)  
 E: 517106.867(m)  
 NAD27 - WV NORTH  
 N: 329107.651(ft)  
 E: 1632198.626(ft)  
 LAT/LON - NAD83  
 LAT: N39.3963614  
 LON: W80.8013292

Well is located on topo map **8,420** feet west of Longitude: **80° 47' 30"**

LINE	BEARING	DISTANCE
R1	N32°44'07"E	488.51'
R2	N61°26'33"E	354.49'
R3	N28°50'34"W	267.98'
R4	N61°26'33"E	354.49'
R5	S48°58'01"E	510.41'

**LEGEND**

- TOPO MAP POINT
- PROPOSED WELL
- WATER SOURCE
- LEASED NUMBER BASED ON ATTACHED WWSA1
- ALL ARE POINTS UNLESS OTHERWISE NOTED**
- MINERAL TRACT BOUNDARY
- PARCEL LINES
- PROPOSED HORIZONTAL WELL
- WELL REFERENCE
- STREAM/WATERWAY
- ROAD

**WELLS WITHIN 3000'**

- EXISTING GAS WELL
- RECORD GAS 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 herein. The location of the boundary lines, as shown, and based on record deed descriptions, field evidence found and/or tax map position, unless otherwise noted.

**REFERENCE DETAIL**



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

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

FILE # **SHR 31 EHSM**

DRAWING # **3601 - SHR31E WELL - R5 - 20171219.DWG**

SCALE: **1"=2000'**

MINIMUM DEGREE OF ACCURACY: **1/2500**

PROVEN SOURCE OF ELEVATION: **USGS MONUMENT A 142: 724.61'**

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.

**GARY A. SHEFFLER JR.**  
 REGISTERED  
 21452  
 STATE OF  
 WEST VIRGINIA  
 PROFESSIONAL ENGINEER

PLACE SEAL HERE

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS WVDEP OFFICE OF OIL & GAS 601 57TH STREET CHARLESTON, WV 25304



DATE: **November 15, 2017 - REV March 9, 2018**

OPERATOR'S WELL #: **SHR 31 EHSM**

API WELL # **47** **095** **02492**

STATE COUNTY PERMIT

Well Type:  Oil  Waste Disposal  Production  Deep

Gas  Liquid Injection  Storage  Shallow

WATERSHED: **McELROY CREEK** ELEVATION: **1,111.0'**

COUNTY/DISTRICT: **TYLER / MCELROY** QUADRANGLE: **SHIRLEY, WV**

SURFACE OWNER: **ALLEN W. SECKMAN, ET AL.** ACREAGE: **30.48**

OIL & GAS ROYALTY OWNER: **ALLEN W. SECKMAN, ET AL.** ACREAGE: **30.48**

04/13/2018

DRILL  CONVERT  DRILL DEEPER  REDRILL  FRACTURE OR STIMULATE

PLUG OFF OLD FORMATION  PERFORATE NEW FORMATION  PLUG AND ABANDON

CLEAN OUT & REPLUG  OTHER CHANGE  (SPECIFY)

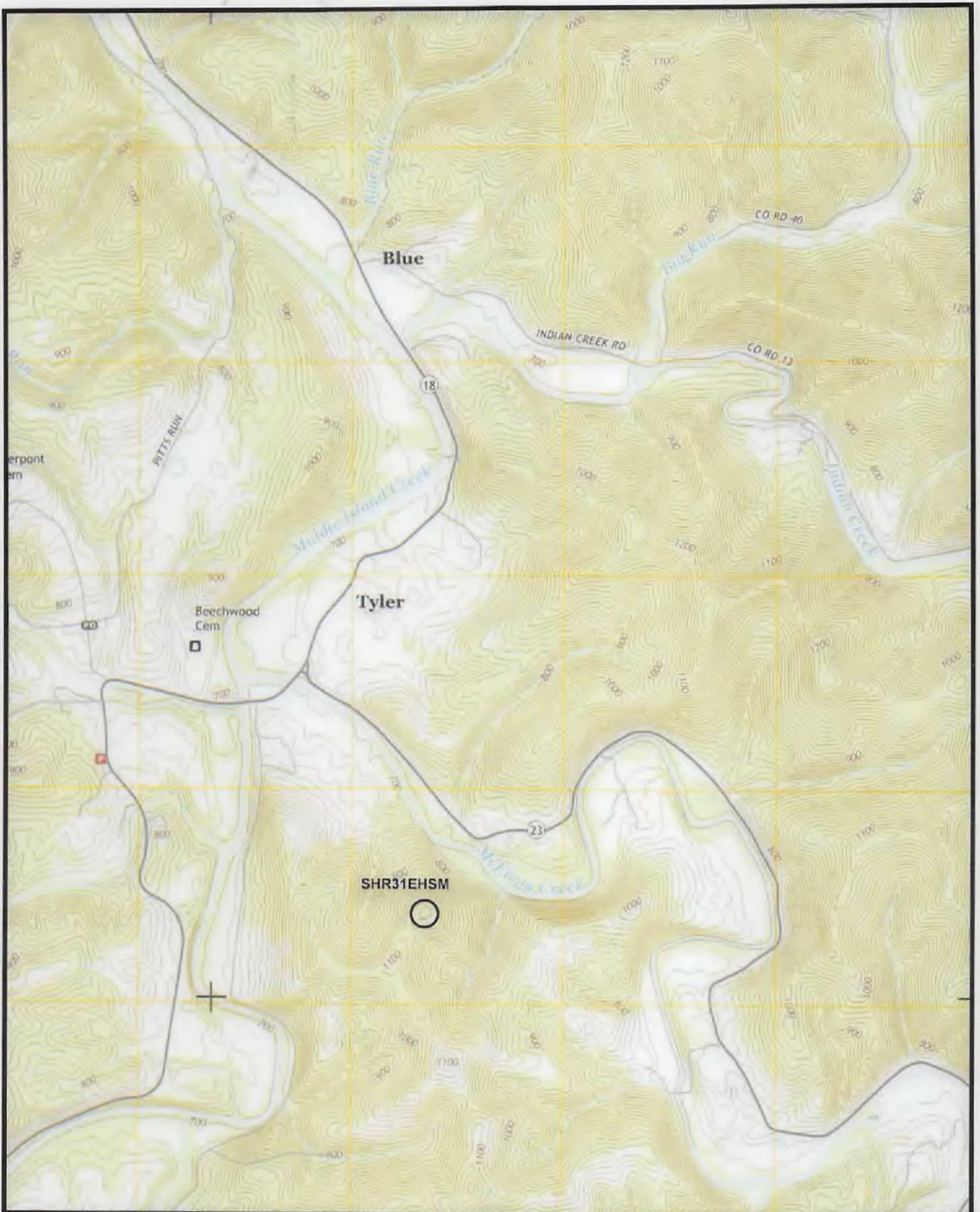
TARGET FORMATION: **MARCELLUS** ESTIMATED DEPTH: **TVD: 6,725' ± TMD: 16,240' ±**

WELL OPERATOR: **CNX GAS COMPANY, LLC** DESIGNATED AGENT: **CHRIS TURNER**

Address: **1000 CONSOL ENERGY DRIVE** Address: **1 DOMINION DRIVE**

City **CANONSBURG** State **PA** Zip Code **15317** City **JANE LEW** State **WV** Zip Code **26378**





(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS WVDEP OFFICE OF OIL & GAS 601 57TH STREET CHARLESTON, WV 25304



DATE: November 15, 2017 - REV December 5, 2017

OPERATOR'S WELL #: SHR 31 EHSM

API WELL # 47 095 02492  
STATE COUNTY PERMIT  
H6A

Well Type:  Oil  Waste Disposal  Production  Deep  
 Gas  Liquid Injection  Storage  Shallow

WATERSHED: McELROY CREEK ELEVATION: 1,111.0'  
COUNTY/DISTRICT: TYLER / MCELROY QUADRANGLE: SHIRLEY, WV  
SURFACE OWNER: ALLEN W. SECKMAN, ET AL. ACREAGE: 30.48  
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04/13/2018

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Address: 1000 CONSOL ENERGY DRIVE Address: 1 DOMINION DRIVE  
City CANONSBURG State PA Zip Code 15317 City JANE LEW State WV Zip Code 26378