

SURFACE HOLE LOCATION (SHL)

APPROXIMATE LANDING POINT

Well is located on topo map 13,886 feet south of Latitude: 39° 27' 30"

UTM 17 - NAD83  
N: 4363424.756(m)  
E: 515350.678(m)  
NAD27, WV NORTH  
N: 337877.647(ft)  
E: 1626580.409(ft)  
LAT/LON - NAD83  
LAT: N39.4202115  
LON: W80.8216640

UTM 17 - NAD83  
N: 4363218.871(m)  
E: 515506.962(m)  
NAD27, WV NORTH  
N: 337193.465(ft)  
E: 1627081.981(ft)  
LAT/LON - NAD83  
LAT: N39.4183535  
LON: W80.8198531

BOTTOM HOLE LOCATION (BHL)

UTM 17 - NAD83  
N: 4350836.883(m)  
E: 519354.705(m)  
NAD27, WV NORTH  
N: 329330.470(ft)  
E: 1529733.420(ft)  
LAT/LON - NAD83  
LAT: N39.3968745  
LON: W80.8100630

LINE	BEARING	DISTANCE
R1	N28°34'46"E	438.78'
R2	N60°45'18"E	294.61'
R3	N41°16'13"W	278.25'
R4	N60°45'18"E	294.61'
R5	S44°58'13"E	788.20'

LEGEND

- TOPO MAP POINT
- PROPOSED WELL
- WATER SOURCE
- LEASED NUMBER BASED ON ATTACHED W66A1
- 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

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 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



Well is located on topo map 8,474'

feet west of Longitude: 80° 47' 30"

Sheffler & Company, Inc.  
ENGINEERING • SURVEYING

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

FILE #: SHR 31 BHSM  
 DRAWING #: 3601 - SHR31B WELL - R4 - 201741219.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: [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



DATE: November 15, 2017 - REV December 5, 2017  
 OPERATOR'S WELL #: SHR 31 BHSM  
 API WELL # 47 095 02489  
 STATE COUNTY PERMIT  
46A

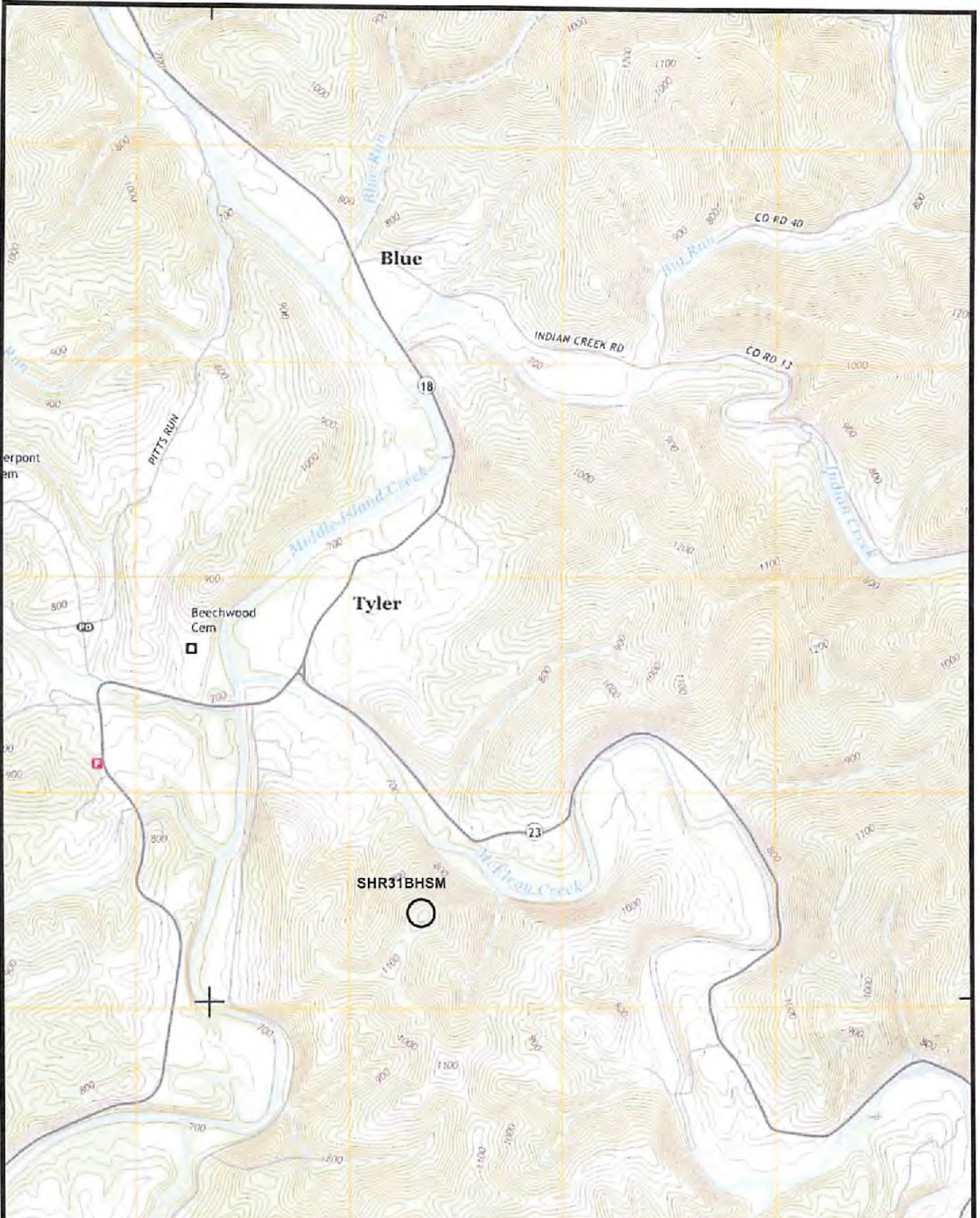
Well Type:  Oil  Waste Disposal  Production  Deep  
 Gas  Liquid Injection  Storage  Shallow

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

04/6/2018

- 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: 15,440' ±  
 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

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API WELL # 47 095 02489  
STATE COUNTY PERMIT

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 Gas  Liquid Injection  Storage  Shallow

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