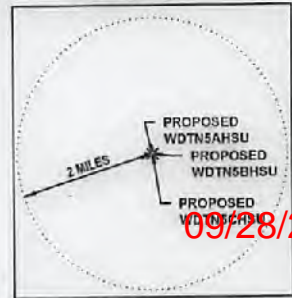
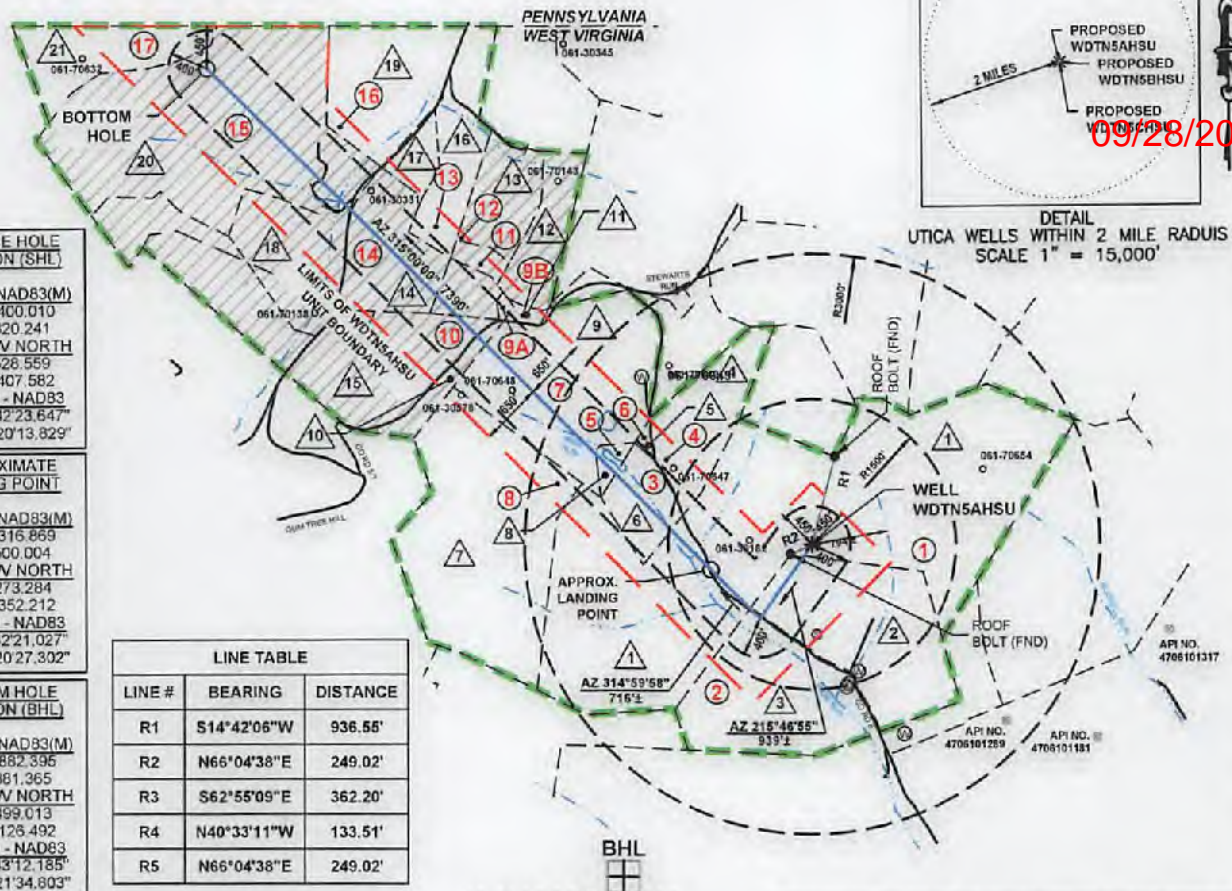


SHL is located on topo map 642 feet south of Latitude: 39° 42' 30" SHL
 BHL is located on topo map 10,799 feet south of Latitude: 39° 45' 00" BHL



SHL is located on topo map 1,080 feet west of Longitude: 80° 20' 00"
 BHL is located on topo map 7,324 feet west of Longitude: 80° 20' 00"



SURFACE HOLE LOCATION (SHL)
 UTM 17 - NAD83(M)
 N: 4395400.010
 E: 556820.241
 NAD27_VV NORTH
 N: 440528.559
 E: 1784407.582
 LAT/LON - NAD83
 LAT: 39°42'23.647"
 LON: 80°20'13.829"

APPROXIMATE LANDING POINT
 UTM 17 - NAD83(M)
 N: 4395316.869
 E: 556500.004
 NAD27_VV NORTH
 N: 440273.284
 E: 1763352.212
 LAT/LON - NAD83
 LAT: 39°42'21.027"
 LON: 80°20'27.302"

BOTTOM HOLE LOCATION (BHL)
 UTM 17 - NAD83(M)
 N: 4395882.396
 E: 554861.365
 NAD27_VV NORTH
 N: 445499.013
 E: 1758125.492
 LAT/LON - NAD83
 LAT: 39°43'12.185"
 LON: 80°21'34.803"

LINE #	BEARING	DISTANCE
R1	S14°42'06"W	936.55'
R2	N66°04'38"E	249.02'
R3	S62°55'09"E	362.20'
R4	N40°33'11"W	133.51'
R5	N66°04'38"E	249.02'

NO DEEP WELLS WITHIN 3000'

MINERAL TRACT BOUNDARY = 871.425 ACRES
 UNIT BOUNDARY = 304.564 ACRES

LEGEND

	TOPO MAP POINT		PROPOSED WELL		WATER SOURCE		SPRING		SURFACE TRACT		LEASED NUMBER BASED ON ATTACHED WDTN5A		WELLS WITHIN 3000'		RECORD GAS WELL		FORCED POOLING AREAS		ALL ARE POINTS UNLESS OTHERWISE NOTED		LEASE BOUNDARY		UNIT BOUNDARY		PROPOSED HORIZONTAL WELL		SURFACE, OIL & GAS LINES		SURFACE TRACT LINES ONLY		GAS LEASE LINES ONLY		WELL REFERENCE		STREAM/WATERWAY		ROAD
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REFERENCE DETAIL

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

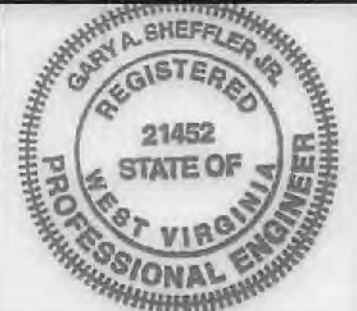
NOTES:

- 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, and based on record deed descriptions, field evidence found and/or tax map position, unless otherwise noted.

FILE #: WDTN5IHSM
 DRAWING #: 3601 - WDTN5A.DWG
 SCALE: 1"=2000'
 MINIMUM DEGREE OF ACCURACY: 1/2500
 PROVEN SOURCE OF ELEVATION: USGS MONUMENT JX1864: 1,496.32'

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.: _____ 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: DUNKARD CREEK ELEVATION: 1412'
 COUNTY/DISTRICT: MONONGALIA / BATTELLE QUADRANGLE: WADESTOWN, WV
 SURFACE OWNER: JOHN M. WISE, ET UX., ET AL. ACREAGE: 207.36
 OIL & GAS ROYALTY OWNER: RICHARD W. WISE, ET AL. ACREAGE: 207.36

DATE: April 3, 2018, Rev. July 18, 2018
 OPERATOR'S WELL #: WDTN5AHSU
 API WELL # 47 061 01805
 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: 13,335' ± TMD: 21,228' ±
 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

WDTN54HSU UNIT = 304.564 ACRES TOTAL		
BATTELLE DISTRICT		
#	TAX MAP & PARCEL	UNIT ACRES
1	1-8, P/O PARCEL 2	54.335 Ac.
2	1-8, P/O PARCEL 3 & 3.1	27.795 Ac.
3	1-8, PARCEL 1	13.128 Ac.
4	1-8, PARCEL 1.2	5.616 Ac.
5	1-8, PARCEL 1.4	2.508 Ac.
6	1-8, P/O PARCEL 1.5	0.870 Ac.
7	1-8, P/O PARCEL 1.1	42.116 Ac.
8	1-9, P/O PARCEL 17	8.491 Ac.
9A	1-2, P/O PARCEL 22	0.677 Ac.
9B	1-2, P/O PARCEL 22	1.442 Ac.
10	1-2, P/O PARCELS 16, 16.2, 17, & 17.1	21.084 Ac.
11	1-3, P/O PARCEL 2	3.583 Ac.
12	1-2, P/O PARCEL 21	0.229 Ac.
13	1-2, P/O PARCEL 18 & 18.1	4.809 Ac.
14	1-2, P/O PARCEL 17 & 17.1	35.987 Ac.
15	1-2, P/O PARCEL 14	67.836 Ac.
16	1-2, P/O PARCEL 19	2.880 Ac.
17	1-2, P/O PARCEL 13	11.132 Ac.

Tract ID	Tax Map & Parcel	Grantor, Lessor, etc	Surface Owner
1	1-8-2	Richard W. Wise	DINA M WISE ET AL
		Donald Wise	
		Thomas E. McCauley	
		Richard L. McCauley	
		Judy A. Eckman	
		Robert Stewart	
		Opal Jane Wise, Life Estate Holder and John Matthew Wise and Dina M. Wise, Remaindermen	
		Clifford J. Wise	
		Regina Wise Myers AKA Violet Regina Myers	
		Eleanor J. Wise	
		Walter C. Ord	
		James Freeman Stewart	
		Victor E. Wise	
		Zelda Ruth Brummage	
		Evalee A. Everly Shaheen	
		Dexter Murlie Stewart	
		Justin P. Stewart	
		Annette E. Stewart	
		Debora Goff	
		Walter R. Currence	
		Maureen S. Currence	
Michelle L. Currence			
Phyllis J. Petrosky			
Jesse D. Jones			
Harold M. Jones, Jr.			
Fred C. Wise and Alice F. Wise			
Linda Stapp			
Richard A. Nunley and Diana K. Nunley			
Patricia J. Mumaw and Richard L. Mumaw			
Donald E. Nunley			
Mary Nunley Stepelton and Donald Stepelton			
Jane Irons			
Melissa Bookout			
Eileen Ann Lyle			
Robert Eugene Michael, Sr. and Darlene Ann Michael			
Frank Dennis Michael, Jr. and Mary Frances Michael			
Evelyn June Michael			
Tanya Chersin a/k/a Tonya Chersin a/k/a Tonya L. Chersin			
Boyd Hawkins and Karl J. Hawkins			
Becky Bortnick Hawkins			
2	1-8-3 & 1-8-3.1	Barbara J. Wagner	BARBARA J. WAGNER
		Donald L. White, individually and as agent for Helen J. Shriver, Larry L. Shriver, David B. Shriver, Robert A. Shriver, Shannon R. Shriver, George H. Shriver, Anne D. Coon, Harriet E. Rodriguez, Jack L. Shriver, Wilma S. Shriver, Linda L. White, Barbara Sue Shriver, individually and as Trustee of the Shriver Family Trust, and Gregory L. Shriver, Trustee of the Shriver Family Trust	
		Arnold D. Anderson, individually, and as Trustee of the Arnold D. Anderson and Barbara J. Anderson Living Trust UTD May 14th, 2008	
		CBC Holdings, LLC	
		Henry W. Areheart and Lynda M. Areheart	
		Earl W. Kennedy	
		CBC Holdings, LLC	
		David W. Deaton and Elizabeth K. Deaton	
		Earl W. Kennedy	
		CBC Holdings, LLC	
Henry W. Areheart and Lynda M. Areheart			
Earl W. Kennedy			
3	1-8-1	CBC Holdings, LLC	HENRY W & LYNDY M AREHEART
		Henry W. Areheart and Lynda M. Areheart	
4	1-8-1.2	CBC Holdings, LLC	DAVID W & ELIZABETH K DEATON
		David W. Deaton and Elizabeth K. Deaton	
5	1-8-1.4	CBC Holdings, LLC	HENRY W. & LYNDY M. AREHEART
		Henry W. Areheart and Lynda M. Areheart	
6	1-8-1.5	CBC Holdings, LLC	GARY L & ARLENE ANN NEELY
		Gary L. Neely and Arlene Neely	
7	1-8-1.1	CBC Holdings, LLC	GARY L & ARLENE ANN NEELY
		Gary L. Neely and Arlene Neely	
8	1-8-17	Ralph Six	CONSOL MINING COMPANY LLC
9A	1-2-22	Mt. Tabor Methodist Episcopal Church	MT. TABOR CEMETERY
9B	1-2-22	Mt. Tabor Methodist Episcopal Church	MT. TABOR CEMETERY
		Earl W. Kennedy	
10	1-2-16, 1-2-16.2, P/O 1-2-16.1, P/O 1-2-17, and P/O 1-2-17.1	Glenn L. White, individually and as trustee of Glenn L. White Trust	ROBERT ANTHONY LAUER III, DELORES J. HARRISON, THOMAS M. BARNHOUSE, FREDERICK JR. & PATRICIA MORGAN
		Sharon White Bartholomew, a/k/a Sharon Ruth White Bartholomew	
		David T. White and Sarah K. White	
		Elizabeth A. Martineau, a/k/a, Elizabeth Ada Snyder	
		Rebecca Snyder Bromley, a/k/a Alice Rebecca Snyder Bromley	
		James Snyder	
		Lacey L. Adams and Devon J. Adams	
		Deborah Horton, Trustee and Beneficiary of the Ronald L. Horton Revocable Living Trust	
		James F. Hare III and Christine A. Hare	
		Laurence D. Hare	
		Cheryl Molesky	
		Eidon Bryant Tucker and Brenda Sue Tucker	
		James Tucker and Flora Siu Tucker	
Robert Earl Tucker and Patricia Ruth Tucker			
David Tucker			

09/28/2018

- SURFACE TRACT OWNERS & TAX PARCEL**
- DINA M WISE ET AL TM# 1-8-2
 - BARBARA J. WAGNER TM# 1-8-3.1
 - BARBARA J. WAGNER TM# 1-8-3
 - DAVID W & ELIZABETH K DEATON TM# 1-8-1.2
 - GARY L & ARLENE ANN NEELY TM# 1-8-1.5
 - HENRY W & LYNDY M AREHEART TM# 1-8-1
 - CONSOL MINING COMPANY LLC TM# 1-8-17
 - HENRY W. & LYNDY M. AREHEART TM# 1-8-1.4
 - GARY L & ARLENE ANN NEELY TM# 1-8-1.1
 - ROBERT ANTHONY LAUER III TM# 1-2-16
 - MT. TABOR CEMETERY TM# 1-2-22
 - CONSOL MINING COMPANY LLC TM# 1-3-2
 - ROY LEE JR. & ERICA E. HALL TM# 1-2-21
 - THOMAS M. BARNHOUSE TM# 1-2-17
 - DELORES J. HARRISON TM# 1-2-16.2
 - LEONARD EDWARD HALL JR. TM# 1-2-18.1
 - JASON BRIAN & LINDSEY R. HALL TM# 1-2-18
 - FREDERICK JR. & PATRICIA MORGAN TM# 1-2-17.1
 - ROY L. HALL TM# 1-2-19
 - DAVID & NANCY LIMING TM# 1-2-14
 - HUSKIE LUMBER COMPANY INC TM# 1-2-13

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



Sheffler & Company, Inc.
ENGINEERING • SURVEYING

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

DATE: April 3, 2018, Rev. July 18, 2018

Well Type: Oil Waste Disposal Production Deep
 Gas Liquid Injection Storage Shallow
 OPERATOR'S WELL #: WDTN54HSU
 API WELL # 47 STATE 061 COUNTY PERMIT

WATERSHED: DUNKARD CREEK ELEVATION: 1412'
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