

BHL is located on topo map 10,653 feet south of Latitude: 39°22'30"
 SHL is located on topo map 1,287 feet south of Latitude: 39°22'30"

AS DRILLED PLAT

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, welland, 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.

BHL is located on topo map 8,869 feet west of Longitude: 80°47'30"
 SHL is located on topo map 535 feet west of Longitude: 80°50'00"

LEGEND

- TOPO MAP POINT
- WELL
- ALL ARE POINTS UNLESS OTHERWISE NOTED.
- LEASE NUMBER
- MINERAL TRACT BOUNDARY
- PARCEL LINES
- LEASE BOUNDARY
- WELL REFERENCE
- PROPOSED HORIZONTAL WELL
- AS-DRILLED
- ROAD
- STREAM CENTER LINE

GAS WELLS

- EXISTING WELLS
- PLUGGED WELLS
- ABANDON WELLS

AS-DRILLED SURFACE HOLE LOCATION (SHL)
 UTM 17-NAD83
 N:4358012.76
 E:514193.05
 NAD83_WV NORTH
 N:320216.6490
 E:1591044.1020
 LAT/LON DATUM-NAD83
 LAT:39°22'17.276"
 LON:80°50'06.818"

PERMITTED SURFACE HOLE LOCATION (SHL)
 UTM 17-NAD83
 N:4358012.76
 E:514193.05
 NAD83_WV NORTH
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PERMITTED APPROX. LANDING POINT
 UTM 17-NAD83
 N:4358018.53
 E:514212.02
 NAD83_WV NORTH
 N:320234.521
 E:1591106.662
 LAT/LON DATUM-NAD83
 LAT:39°22'17.461"
 LON:80°50'06.025"

PERMITTED BOTTOM HOLE LOCATION (BHL)
 UTM 17-NAD83
 N:4355161.09
 E:515249.56
 NAD83_WV NORTH
 N:310800.974
 E:1594354.892
 LAT/LON DATUM-NAD83
 LAT:39°20'44.706"
 LON:80°49'22.897"

AS-DRILLED APPROX. LANDING POINT
 UTM 17-NAD83
 N:4358012.64
 E:514204.59
 NAD83_WV NORTH
 N:320215.620
 E:1591081.937
 LAT/LON DATUM-NAD83
 LAT:39°22'17.271"
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 LAT/LON DATUM-NAD83
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LINE	BEARING	DISTANCE
R1	S 29°39'39" E	178.47'
R2	S 40°51'29" E	198.60'
R3	S 54°50'03" E	164.01'
R4	N 27°50'02" E	1515.66'
R5	S 76°33'49" E	1731.47'
R6	S 65°11'39" E	2175.45'

THRASHER

CIVIL • ENVIRONMENTAL • CONSULTING • FIELD SERVICES
 600 WHITE OAKS BOULEVARD, BRIDGEPORT, WV 26330
 PHONE (304) 624-4108 • FAX (304) 624-7831

SEE PAGE 2 FOR SURFACE OWNERS AND LESSORS

FILE #: SHR 38 GHSM AS-DRILLED
 DRAWING #: SHR 38 GHSM AS-DRILLED
 SCALE: 1" = 2000'
 MINIMUM DEGREE OF ACCURACY: 1/2500
 PROVEN SOURCE OF ELEVATION: U.S.G.S. MONUMENT THOMAS 1498.81'

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: *George D. Six*
 R.P.E.: _____ L.L.S.: P.S. No. 2000

GEORGE D. SIX
 LICENSED
 No. 2000
 STATE OF
 WEST VIRGINIA
 PROFESSIONAL SURVEYOR

PLACE SEAL HERE

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



DATE: SEPTEMBER 17, 2019
 OPERATOR'S WELL #: SHR 38 GHSM AS-DRILLED
 API WELL #: 47 95 02514
 STATE COUNTY PERMIT

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

WATERSHED: HEADWATERS MIDDLE ISLAND CREEK ELEVATION: 1012'±
 COUNTY/DISTRICT: TYLER / CENTERVILLE QUADRANGLE: WEST UNION, WV 7.5'
 SURFACE OWNER: JAMES E. ASH ET AL ACREAGE: 111±
 OIL & GAS ROYALTY OWNER: JAMES E. ASH ET AL ACREAGE: 593.675 ±

DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE
 PLUG OFF OLD FORMATION PERFORATE NEW FORMATION PLUG & ABANDON
 CLEAN OUT & REPLUG OTHER CHANGE (SPECIFY): AS-DRILLED

TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: TVD: 6,480'± TMD: 16,957'±
 WELL OPERATOR CNX GAS COMPANY LLC DESIGNATED AGENT CHRIS TURNER
 Address 1000 CONSOL ENERGY DRIVE Address 1 DOMINION DR.
 City CANONSBURG State PA Zip Code 15317 City JANE LEW State WV Zip Code 26378

SHR 38 GHSM

PAGE 2 OF 2

AS DRILLED PLAT

	SURFACE OWNER	LESSOR	DIST-TM/PAR
1	JAMES E. ASH ET AL	VERNA O. ASH, JAMES E. ASH AND THELMA B. ASH, BESSIE HAUGHT AND HAROLD WARNER ERNEST G. SECKMAN AND O. JOANNE SECKMAN RALPH E. PHILLIPS AND VELINDA PHILLIPS H/W	P/O 1-16/19
2	JOHN R. ANDERS II RICHARD H. METCALF	JOHN MICHAEL LEONIAN JOSEPH ROBERT LEONIAN MARGO L. KIEHL AND CHARLES F. KIEHL, W/H BERDINA ROSE AND NORMAN W. ROSE, W/H PHILLIP LEONIAN, AKA PHILLIP MARSHALL LEONIAN MARION RAY BACHELOR, AKA MARION R. BACHELOR AND GLORIA JEAN BACHELOR RITA G. JARVIS MIKE ROSS, INC. I.L. MORRIS JO ELLEN HARPER DAY MARY LEE LILLY ARMEN LEONIAN, AKA ARMEN LANHAM LEONIAN JOHN FULTON LEONIAN NILA ASH SAYLOR REVOCABLE TRUST, BY JOSEPH F. SILEK, JR. BAILEY ANN MILLS WILLIAM PAUL HARPER DAVID PAUL LOCOCO MARY LYNNE SLATTERY, FKA MARY LYNNE LOCOCO DONALD VINCENT LOCOCO ROSE MARIE VANHEUVELN THERESA LEE ROBERTSON MARTHA SUE MUZIO, FKA MICHELLE LUCRETIA BUSHMIRE MICHELLE LOCOCO BUSHMIRE, FKA MICHELLE LUCRETIA BUSHMIRE ELIZABETH FLORENCE LOCOCO RALPH E. PHILLIPS AND VELINDA PHILLIPS H/W BRC APPALACHIAN MINERALS I, LLC BRC APPALACHIAN MINERALS I, LLC	1-16/21 P/O 1-16/17
3 4	D. RALPH THACKER & J. MAURICE CARLISLE JR.	CHARLES W. HENDERSON AND DOROTHY M. HENDERSON, H/W AND CHARLES W. HENDERSON, POWER OF ATTORNEY FOR THE A. I. DOAK HEIRS JOHN A. CONKLIN AND JEAN CONKLIN, H/W GEORGE B. CONKLIN AND BETTY M. CONKLIN, H/W BETTY L. CONKLIN ROBERT LEE REED LEWIS H. REED AND CAROL J. REED, H/W KATHY PRANGER VIRGINIA O'REAR AND RALPH O'REAR, W/H ROBERT H. MELVIN BETTY L. MELVIN MARY S. LARTZ AND WILLIAM LARTZ, W/H LILLIAN CRABILL AND WILLIAM CRABILL, W/H MELISSA COLL ROBERT BARTHOLOMEW AND BARBARA BARTHOLOMEW, H/W PHILLIP L. MELVIN JOANNE GREENMAN AND GERALD GREENMAN, H/W	1-16/26
5	PEARLIE DAVIS	LINDA C. BRITTON STEVEN BRITTON ALFRED BRITTON, ET AL BRIAN BRITTON, AKA, BRYAN L. BRITTON AND ANNETTE BRITTON, H/W	1-16/25
6	STEVEN E. MALICKI JR. FRED M. DOTSON JR. KAREN DOTSON KEVIN DOTSON STEVEN E. MALICKI JR.	PAUL W. HYLBERT AND CHARLOTTE J. HYLBERT, H/W	1-18/1 1-18/1.1
7	MARY MONNIE COLLINS	CECILIA LOUISE BOOMER AND JAMES BOOMER, W/H WOODBERRY ROYALTY, INC NANCY FOUT AND JOHN FOUT, W/H THERESA MARIE SMITH, SINGLE JAY COLLINS AND MARY M. COLLINS, H/W	1-18/15
8	STEVEN R. & SHAWNA LEA CHIPPS	CECILIA LOUISE BOOMER AND JAMES BOOMER, W/H WOODBERRY ROYALTY, INC NANCY FOUT AND JOHN FOUT, W/H GLENDA L. HEDRICK THERESA MARIE SMITH, SINGLE STEVEN R. CHIPPS AND SHAWNA L. CHIPPS, H/W	1-18/18.1
9	WEST VIRGINIA DIVISION OF NATURAL RESOURCES	WEST VIRGINIA DIVISION OF NATURAL RESOURCES	N/A
10	RALPH MCCUTCHAN II CHIPPS REVOCABLE LIVING TRUST 2004	JOSEPH C. STRICKLING AND JOSIES STRICKLING, H/W PAUL STRICKLING EARL STRICKLING AND RUTH G. STRICKLING, H/W JOHN B. STRICKLING AND LILLIAN STRICKLING	8-3/3

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STATE COUNTY PERMIT

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SEPTEMBER 17, 2019

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