

BHL is located on topo map 7,743 feet south of Latitude: 39° 25' 00"
 SHL is located on topo map 1,217 feet south of Latitude: 39° 22' 30"

SEE PAGE 2 FOR SURFACE OWNERS AND LESSORS

LINE	BEARING	DISTANCE
R1	S 30°06'43" E	260.92'
R2	S 37°59'44" E	280.23'
R3	S 46°56'23" E	241.79'
R4	S 83°01'53" W	826.40'
R5	S 76°07'57" E	1061.75'
R6	N 35°21'34" E	1312.49'

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
 - ROAD
 - STREAM CENTER LINE
- GAS WELLS**
- EXISTING WELLS
 - PLUGGED WELLS
 - ABANDON WELLS

SURFACE HOLE LOCATION (SHL)

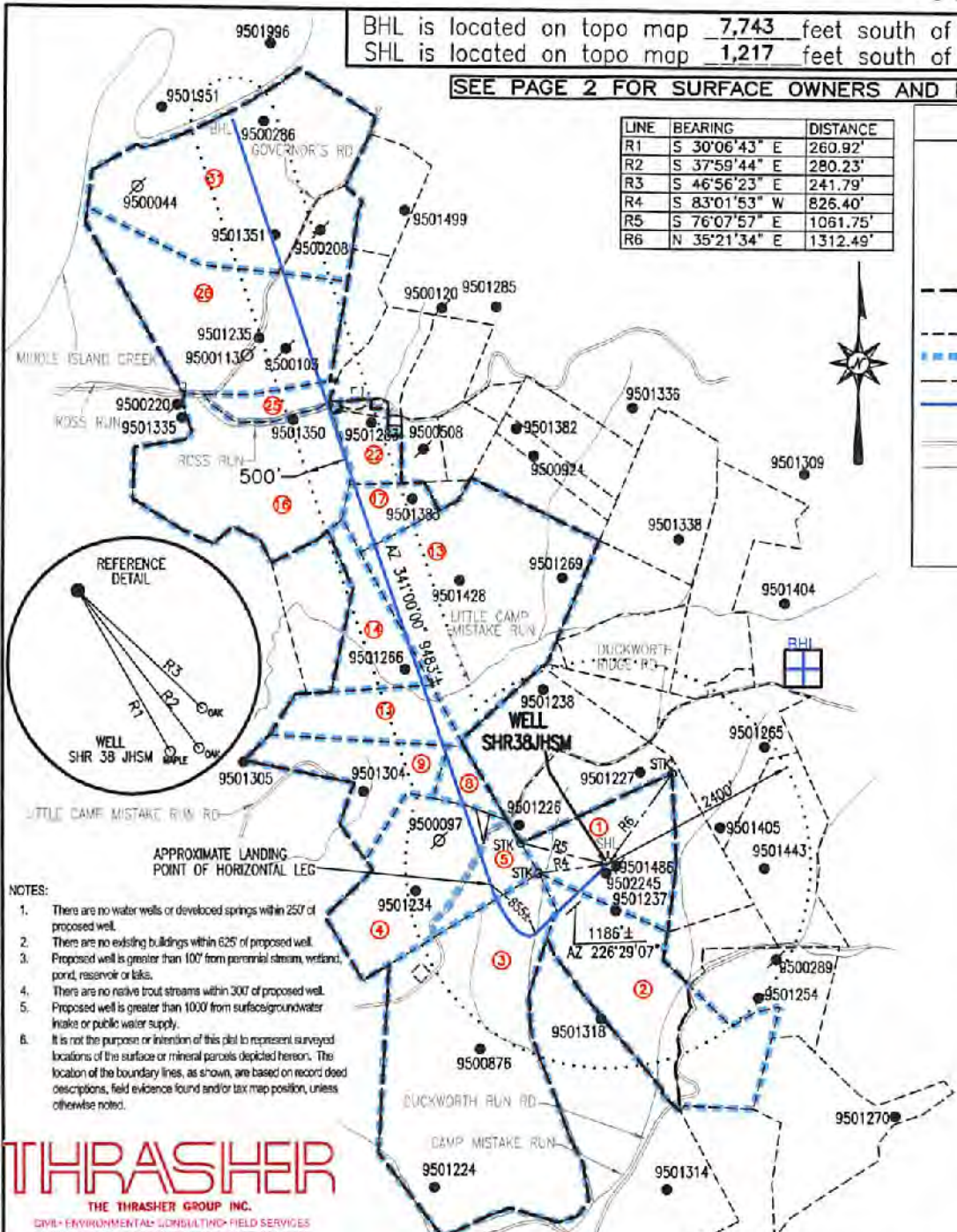
UTM 17-NAD83
 N:4358034.08
 E:514179.72
 NAD83, WV NORTH
 N:320287.264
 E:1591001.515
 LAT/LON DATUM-NAD83
 LAT:39°22'17.967"
 LON:80°50'07.374"

APPROX. LANDING POINT

UTM 17-NAD83
 N:4357946.49
 E:513455.23
 NAD83, WV NORTH
 N:320039.590
 E:1588619.286
 LAT/LON DATUM-NAD83
 LAT:39°22'15.316"
 LON:80°50'24.927"

BOTTOM HOLE LOCATION (BHL)

UTM 17-NAD83
 N:4360667.81
 E:512773.68
 NAD83, WV NORTH
 N:329006.292
 E:1586531.806
 LAT/LON DATUM-NAD83
 LAT:39°23'43.475"
 LON:80°51'05.957"



- 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.

THRASHER
 THE THRASHER GROUP INC.

CIVIL • ENVIRONMENTAL • CONSULTING • FIELD SERVICES
 801 WHITE OAKS (HUBBARD) BRIDGEPORT, WV 26033
 PHONE (304) 624-4100 FAX (304) 624-7037

FILE #: SHR 38 JHSM
 DRAWING #: SHR 38 JHSM
 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



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

DATE: JULY 3, 2019
 OPERATOR'S WELL #: SHR 38 JHSM
 API WELL #: 47 95 02649
 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: 842.292±

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

TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: TVD: 6,480'± TMD: 16,666'±
 WELL OPERATOR CNX GAS COMPANY LLC DESIGNATED AGENT ANTHONY KENDZIORA
 Address 1000 CONSOL ENERGY DRIVE Address 1000 CONSOL ENERGY DRIVE
 City CANONSBURG State PA Zip Code 15317 City CANONSBURG State PA Zip Code 15317

SHR 38 JHSM

PAGE 2 OF 2

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	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, H/W 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 NRA ASH SAYLOR REVOCABLE TRUST, BY JOSEPH F. SLEK, 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 MARTHA SUE LOCOCO MICHELLE LOCOCO BUSHIRE, FKA MICHELLE LUCRETA BUSHIRE ELIZABETH FLORENCE LOCOCO RALPH E. PHILLIPS AND VELINDA PHILLIPS, H/W BRC APPALACHIAN MINERALS I, LLC BRC APPALACHIAN MINERALS I, LLC	1-16-21
3 RONALD R. AND REVA D. ROWLAND	JACOB L. DILLON AND EDNA DILLON, H/W	1-16-20
4 JAMES E. ASH	GALE V. DAVISSON ROSEMARY EAGLE ELEANOR L. ROTH, ATTORNEY-IN-FACT FOR THE J. D. AND RUTH FOLEY HEIRS	1-16-19.1
5 JAMES E. ASH	GALE V. DAVISSON ROSEMARY EAGLE ELEANOR L. ROTH, ATTORNEY-IN-FACT FOR THE J. D. AND RUTH FOLEY HEIRS RICHARD ALAN GLOVER	1-16-19.1 1-16-19.2
8 DIANA L. BOGER	EDNA DILLON SAMUEL DAVID DILLON AND DONNA L. DILLON, H/W HOWARD D. SPURLOCK AND MARIAN E. SPURLOCK, H/W EDITH M. DOAK PEARL G. MCINTYRE PAUL MCINTYRE KERMIT MCINTYRE AND RUTH MCINTYRE, H/W SHEILA L. GUY EDITH W. MCINTYRE	1-16/18
9 DUANE CLARK ET AL, C/O DUANE & SUE CLARK	CLARENCE DUANE CLARK AND SANDRA SUE CLARK, H/W JEFFREY G. CLARK, SINGLE KEVIN S. CLARK, SINGLE JOHN BAKER, INDIVIDUALLY AND ATTORNEY-IN-FACT FOR THE "GORRELL DOAK HEIRS"	1-15/6
11 DUANE CLARK ET AL, C/O DUANE & SUE CLARK	ORA NELSON MOORE AND MARY EDNA MOORE, HUSBAND AND WIFE, AND OLETHA MOORE, WIDOW ROSEMARY EAGLE	1-15/6.1
13 KENNETH G. WRIGHT TRUST, KENNETH G. WRIGHT-TRUSTEE	FRANKLIN L. MERCER AND RUTH L. MERCER, H/W AND FRANKLIN L. MERCER, ATTORNEY-IN-FACT FOR ROGER N. MERCER AND GLORIA MERCER, H/W DELORES ROSSI LUTHER ROGERS AND ANITA ROGERS, H/W MARIE MERCER HARLEY EDWIN SPENCER AND ALICE RUTH SPENCER, H/W THE KENNETH G. WRIGHT TRUST, DATED 12/21/2010, BY KENNETH G. WRIGHT, TRUSTEE	1-16/1
14 DAVID AND MARY ANN PRESTON (LIFE ESTATE)	JAMES R. ASH AND FRANCES M. ASH, H/W	1-15/4
16 RYAN J. AND SUSAN J. LIND	ORA NELSON MOORE AND MARY EDNA MOORE, HUSBAND AND WIFE, AND OLETHA MOORE, WIDOW ROSEMARY EAGLE	1-12/23
17 KENNETH G. WRIGHT TRUST, KENNETH G. WRIGHT-TRUSTEE	FRANKLIN L. MERCER AND RUTH MERCER, H/W AND FRANKLIN L. MERCER, ATTORNEY-IN-FACT FOR ROGER N. MERCER AND GLORIA MERCER, H/W DELORES ROSSI ANITA ROGERS AND LUTHER ROGERS, W/H MARIE MERCER THE KENNETH G. WRIGHT TRUST, DATED 12/21/2010, BY KENNETH G. WRIGHT, TRUSTEE CONRAD E. COSTLOW SHELLEY ROGERS GEORGE, A/K/A SHELLEY R. GEORGE PATRICIA LEMLEY AND MELVIN LEMLEY, W/H PATRICIA CIAFARDO AND JOSEPH J. CIAFARDO, W/H BRADLEY ESMINGER AND SHIRLEY ESMINGER, F/K/A SHIRLEY GEORGE GARY W. GEORGE, SR. (INDIVIDUALLY), AND GARY W. GEORGE, SR. (REMAINDER INTEREST OF FRANCES M. GEORGE) BETH ANN MADDEN (INDIVIDUALLY) AND BETH ANN MADDEN (REMAINDER INTEREST OF FRANCES M. GEORGE) FRANCES M. GEORGE, A/K/A FRANCES MOORE GEORGE VIRGINIA H. LEWISTERS FAMILY TRUST, BY D. LARRY LEWISTERS, TRUSTEE LINDA SUE GEORGE COEN, F/K/A LINDA SUE GEORGE DONALD ROBERT GEORGE DONALD EDWARD GEORGE, JR. AND DARLYN J. GEORGE, H/W LULA MAE JOHNSON, BY HER ATTORNEY-IN-FACT, SANDRA LEE HARMAN GREGORY C. NICHOLSON KIMBERLY ANN SHAMBLIN, A/K/A KIMBERLY A. ROUSH AND GREGORY S. ROUSH, W/H WILLIAM E. NICHOLSON CYNTHIA ANN ZONTS AND ROBERT FRANCIS ZONTS, W/H DEBORAH A. WAYCHOFF, F/K/A DEBORAH ANN COLE BRENDA COLE JAMES HENRY COLE MIKUEL ANN PARRISH DONNA PARRISH A/K/A DONNA RAHALL WILLIAM MICHAEL PARRISH AND CYNTHIA PARRISH, H/W CHRISTINA R. LORENCE, F/K/A CHRISTINA R. COLE	1-12/22.2
22 YERONICA SMITH	JAMES PAUL UNDERWOOD AND NAOMI JEAN UNDERWOOD, H/W	1-12/22.1 1-12/22.3
25 GENEVA (DENNISON) FOUTS - LIFE	ORA NELSON MOORE AND MARY EDNA MOORE, HUSBAND AND WIFE, AND OLETHA MOORE, WIDOW ROSEMARY EAGLE	1-12/10.1
26 GENEVA (DENNISON) FOUTS - LIFE ESTATE	BILLY KENNETH FOUTS AND MARIANNE B. FOUTS, H/W ERWIN LAWRENCE FOUTS SHEILA KAY FORRESTER AND ROBERT FORRESTER, W/H	1-12/10
31 JEFFREY J. AND KAY A. HEKENFELD JAMES F. AND PATRICIA A. WOODS	ROBERT H. TENNANT, A SINGLE MAN AND OPAL V. TENNANT, A WIDOW	1-12/11 1-12/11.1

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API WELL #: 47 95 02649
 STATE COUNTY PERMIT

JULY 3, 2019