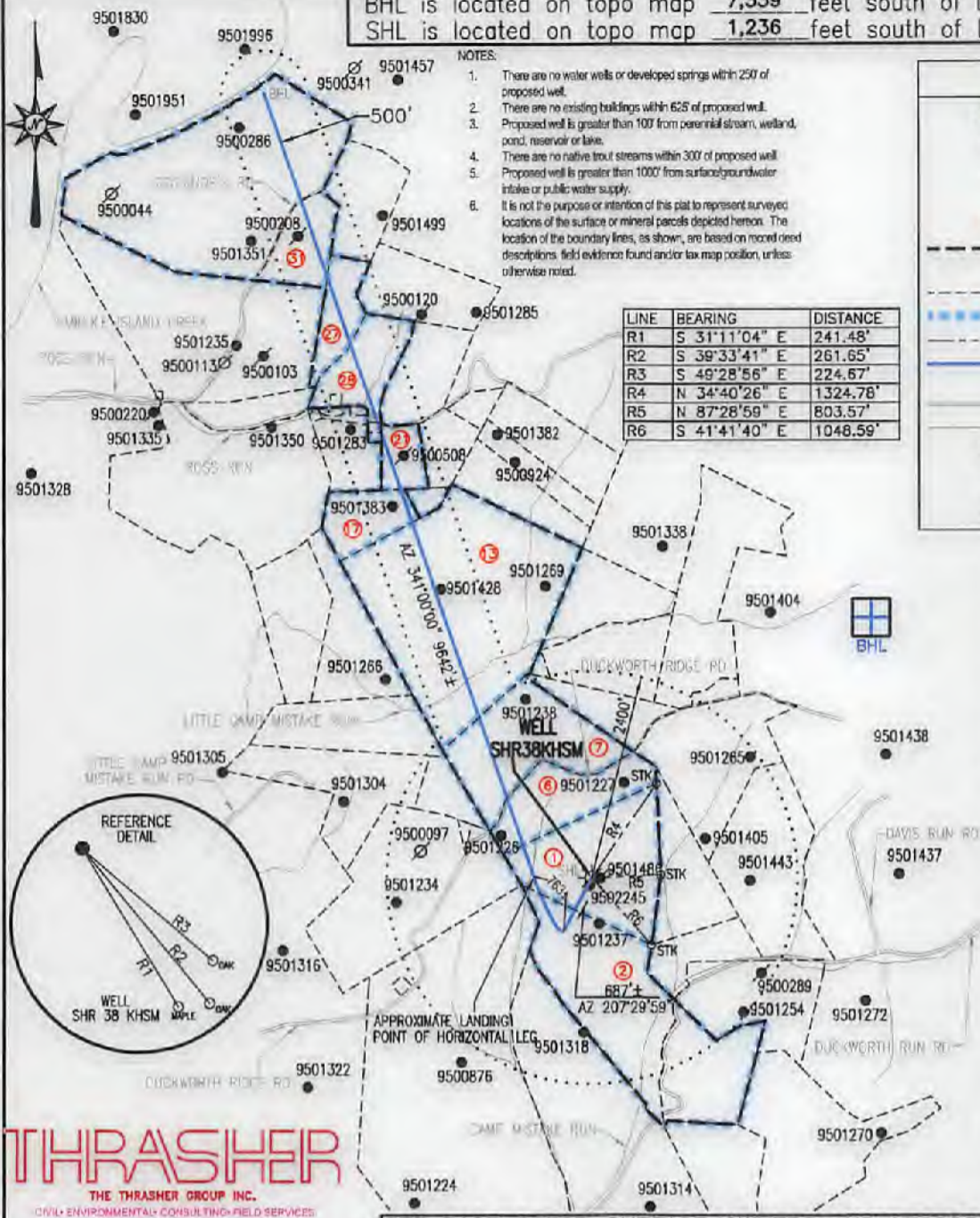


BHL is located on topo map 7,339 feet south of Latitude: 39° 25' 00"
 SHL is located on topo map 1,236 feet south of Latitude: 39° 22' 30"



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

LINE	BEARING	DISTANCE
R1	S 31°11'04" E	241.48'
R2	S 39°33'41" E	261.65'
R3	S 49°28'56" E	224.67'
R4	N 34°40'26" E	1324.78'
R5	N 87°28'59" E	803.57'
R6	S 41°41'40" E	1048.59'

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:4358028.26
 E:514181.61
 NAD83, WV NORTH
 N:320268.143
 E:1591007.382
 LAT/LON DATUM-NAD83
 LAT:39°22'17.779"
 LON:80°50'07.296"

APPROX. LANDING POINT

UTM 17-NAD83
 N:4358029.59
 E:513974.68
 NAD83, WV NORTH
 N:320283.816
 E:1590328.420
 LAT/LON DATUM-NAD83
 LAT:39°22'17.834"
 LON:80°50'15.944"

BOTTOM HOLE LOCATION (BHL)

UTM 17-NAD83
 N:4360791.07
 E:512971.97
 NAD83, WV NORTH
 N:329400.580
 E:1587189.264
 LAT/LON DATUM-NAD83
 LAT:39°23'47.469"
 LON:80°50'57.658"

BHL is located on topo map 4,526 feet west of Longitude: 80° 50' 00"
 SHL is located on topo map 573 feet west of Longitude: 80° 50' 00"

THRASHER
 THE THRASHER GROUP INC.
 CIVIL ENVIRONMENTAL CONSULTING FIELD SERVICES
 100 WHITE OAKS BOULEVARD BRIDGEPORT, WV 26330
 PHONE: (304) 624-1100 FAX: (304) 624-1331

SEE PAGE 2 FOR SURFACE OWNERS AND LESSORS

FILE #: SHR 38 KHSM
 DRAWING #: SHR 38 KHSM
 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: JULY 3, 2019
 OPERATOR'S WELL #: SHR 38 KHSM
 API WELL #: 47 95 02650
 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: 469.252±

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: 16,620'±
 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 KHSM

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 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 MARTHA SUE LOCOCO MICHELLE LOCOCO BUSHMIRE, FKA MICHELLE LUCRETTA 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
6	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
7	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	P/O 1-16/18
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
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 DECEMBER 21, 2010, BY KENNETH G. WRIGHT, TRUSTEE CONRAD E. COSTILOW SHELBY ROGERS GEORGE, A/K/A SHELBY R. GEORGE PATRICIA LEMLEY AND MELVIN LEMLEY, W/H PATRICIA CIAFARDO AND JOSEPH J. CIAFARDO, W/H BRADLEY EISMINGER AND SHIRLEY EISMINGER, 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 FRANCE 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
21	LAWRENCE DEAN MOORE	ROBERT L. UNDERWOOD AND VICTORIA M. UNDERWOOD, H/W	1-12/22
27	THOMAS VAN DE BUNT	JAMES C. FERRELL AND LA JETTA FERRELL, H/W	1-12/12
28	LAWRENCE DEAN MOORE AND JULIE ANN MARKLE LAWRENCE DEAN MOORE	MARY J. MOORE	1-12/13 1-12/13.2
31	JEFFREY J. AND KAY A. HEIKENFELD 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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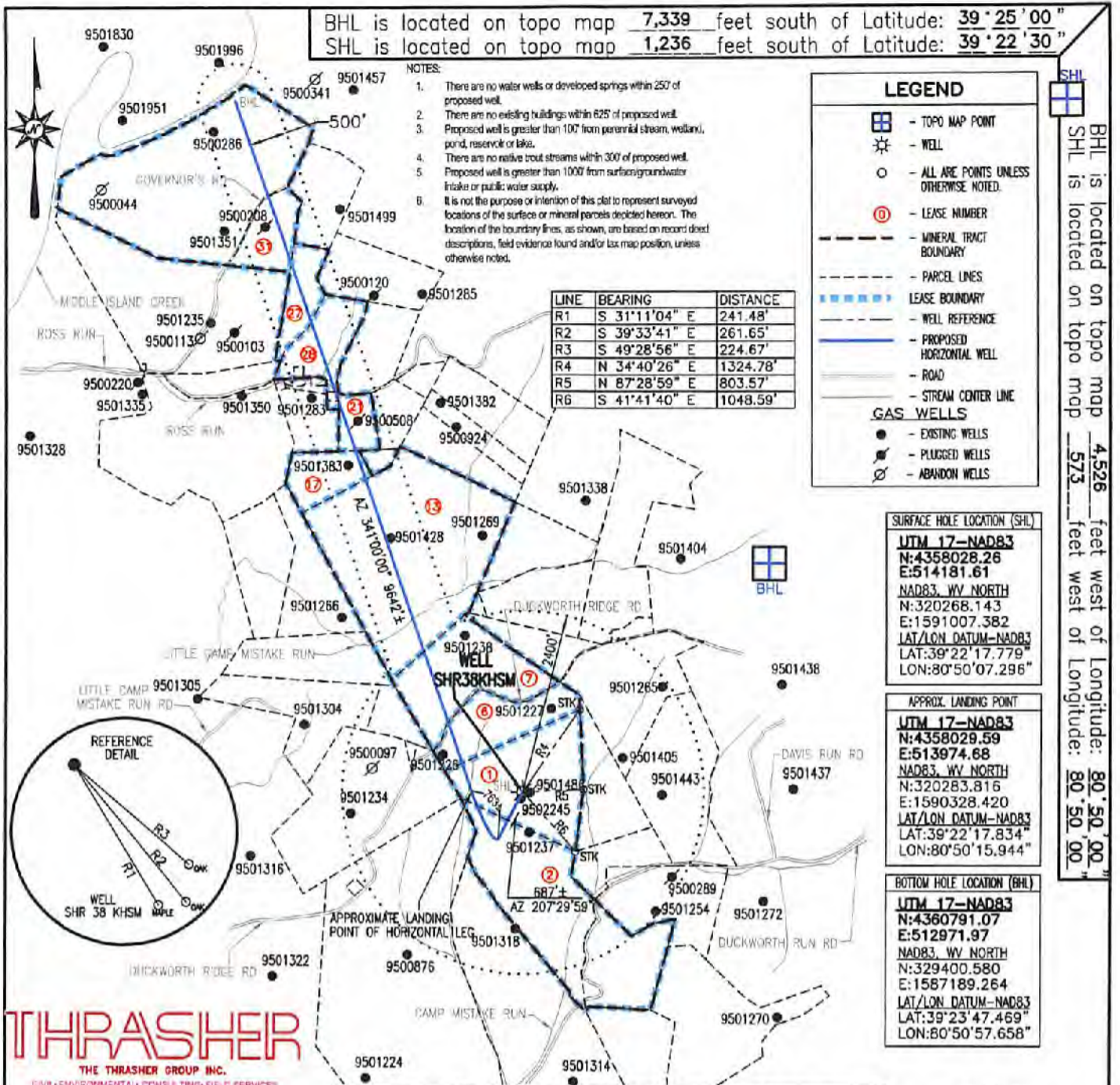
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500 WHITE OAKS BOULEVARD, BRIDGEPORT, WV 26330
PHONE (304) 621-4108 FAX (304) 624-7331

API WELL #: 47 95 02450
STATE COUNTY PERMIT

JULY 3, 2019



THRASHER
 THE THRASHER GROUP INC.
 CIVIL-ENVIRONMENTAL CONSULTING-FIELD SERVICES
 900 WHITE OAKS BOULEVARD, BRIDGEPORT, WV 26305
 PHONE (304) 634-4108 FAX (304) 634-7521

SEE PAGE 2 FOR SURFACE OWNERS AND LESSORS

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

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TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: TVD: 6,480± TMD: 16,620±
 WELL OPERATOR CNX GAS COMPANY LLC DESIGNATED AGENT ANTHONY KENDZIORA
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 City CANONSBURG State PA Zip Code 15317 City CANONSBURG State PA Zip Code 15317