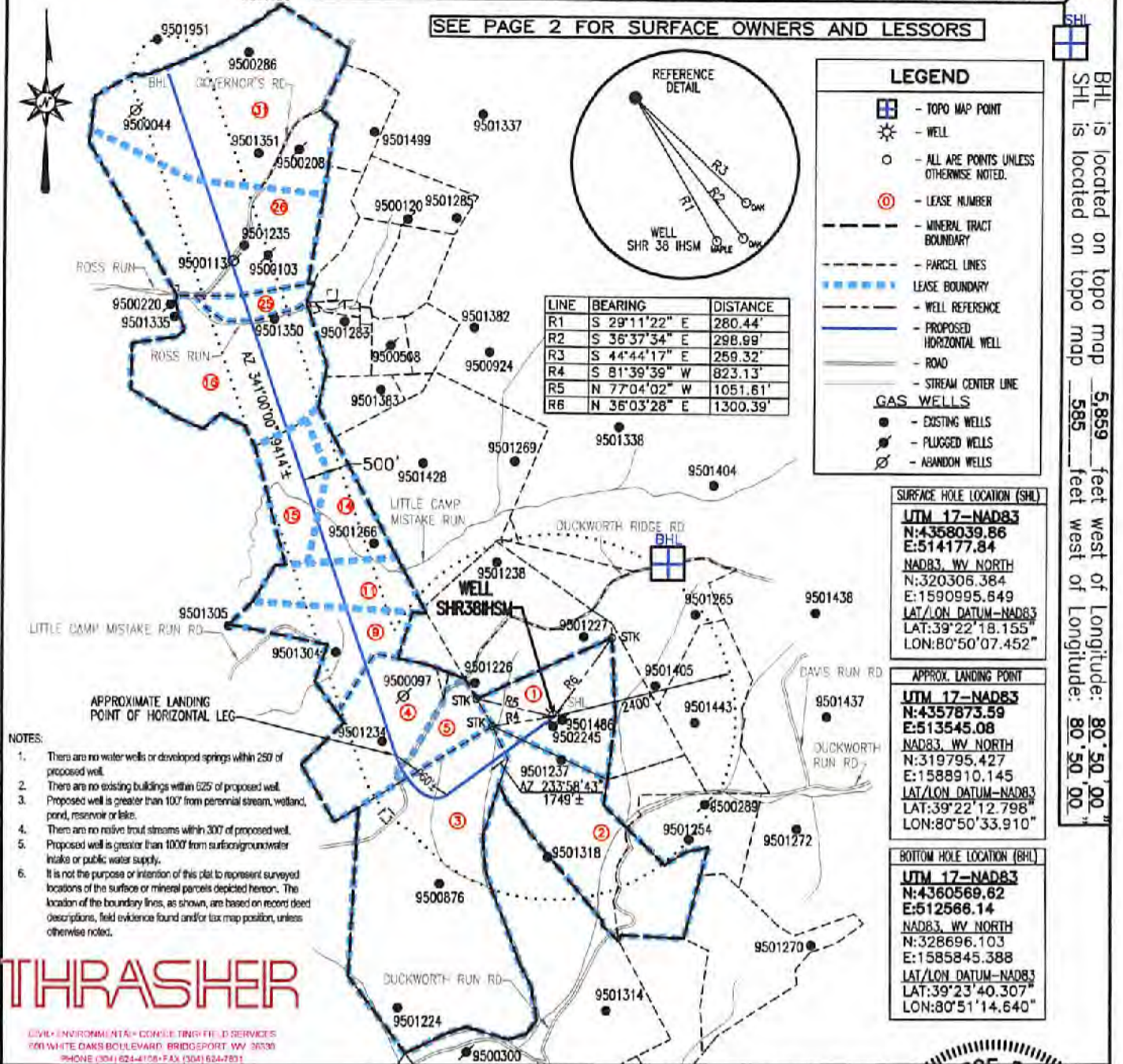


BHL is located on topo map 8,063 feet south of Latitude: 39°25'00"
 SHL is located on topo map 1,198 feet south of Latitude: 39°22'30"

SEE PAGE 2 FOR SURFACE OWNERS AND LESSORS



- 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

ENVIRONMENTAL & CIVIL ENGINEERING SERVICES
 600 WHITE OAKS BOULEVARD BRIDGEPORT WV 26330
 PHONE (304) 624-4108 FAX (304) 624-7831

FILE #: SHR 38 IHSM
 DRAWING #: SHR 38 IHSM
 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 A. 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 IHSM
 API WELL #: 47 95 02648 WVA
 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: 751.047±

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: 16,949'±
 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 IHSM

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. L. 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. SILEX, 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 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
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	P/O 1-16/19.1
5	JAMES E. ASH JAMES ASH	GALE V. DAVISSON ROSEMARY EAGLE ELEANOR L. ROTH, ATTORNEY-IN-FACT FOR THE J. D. AND RUTH FOLEY HEIRS RICHARD ALAN GLOVER	P/O 1-16/19.1 1-16/19.2
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 AS 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
14	DAVID & MARY ANN PRESTON (LIFE ESTATE)	JAMES R. ASH AND FRANCES M. ASH, H/W	P/O 1-15/4
15	DAVID & MARY ANN PRESTON (LIFE ESTATE)	JAMES R. ASH AND FRANCES M. ASH, H/W	P/O 1-15/4
16	RYAN J. & SUSAN J. LIND	ORA NELSON MOORE AND MARY EDNA MOORE, HUSBAND AND WIFE, AND OLETHA MOORE, WIDOW ROSEMARY EAGLE	1-12/23
25	GENEVA (DENNISON) FOUTS LIFE ESTATE	ORA NELSON MOORE AND MARY EDNA MOORE, HUSBAND AND WIFE, AND OLETHA MOORE, WIDOW ROSEMARY EAGLE	P/O 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	P/O 1-12/10
31	JEFFREY J. AND KAY A. HEIKENFELD JAMES F. & PATRICIA A. WOODS	ROBERT H. TENNANT, A SINGLE MAN AND OPAL V. TENNANT, A WIDOW	1-12/11 1-12/11.1

SURFACE HOLE LOCATION (SHL)
UTM 17-NAD83
N:4358039.86
E:514177.84
 NAD83, WY NORTH
 N:320306.384
 E:1590995.649
 LAT/LON DATUM-NAD83
 LAT:39°22'18.155"
 LON:80°50'07.452"

APPROX. LANDING POINT
UTM 17-NAD83
N:4357873.59
E:513545.08
 NAD83, WY NORTH
 N:319795.427
 E:1588910.145
 LAT/LON DATUM-NAD83
 LAT:39°22'12.798"
 LON:80°50'33.910"

BOTTOM HOLE LOCATION (BHL)
UTM 17-NAD83
N:4360569.62
E:512566.14
 NAD83, WY NORTH
 N:328696.103
 E:1585845.388
 LAT/LON DATUM-NAD83
 LAT:39°23'40.307"
 LON:80°51'14.640"

THRASHER

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API WELL #: 47 95 02648 HGA
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JULY 3, 2019