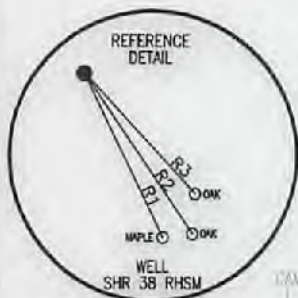


LINE	BEARING	DISTANCE
R1	S 25°46'02" E	257.14'
R2	S 34°04'58" E	273.72'
R3	S 42°39'45" E	232.47'
R4	N 34°49'13" E	1296.70'
R5	N 76°40'42" W	1078.96'
R6	S 40°15'34" E	1058.77'

BHL is located on topo map 9,829 feet south of Latitude: 39°25'00"
 SHL is located on topo map 1,211 feet south of Latitude: 39°22'30"



SURFACE HOLE LOCATION (SHL)
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 N:4358035.94
 E:514185.52
 NAD83, WY NORTH
 N:320293.130
 E:1591020.636
 LAT/LON DATUM-NAD83
 LAT:39°22'18.028"
 LON:80°50'07.132"

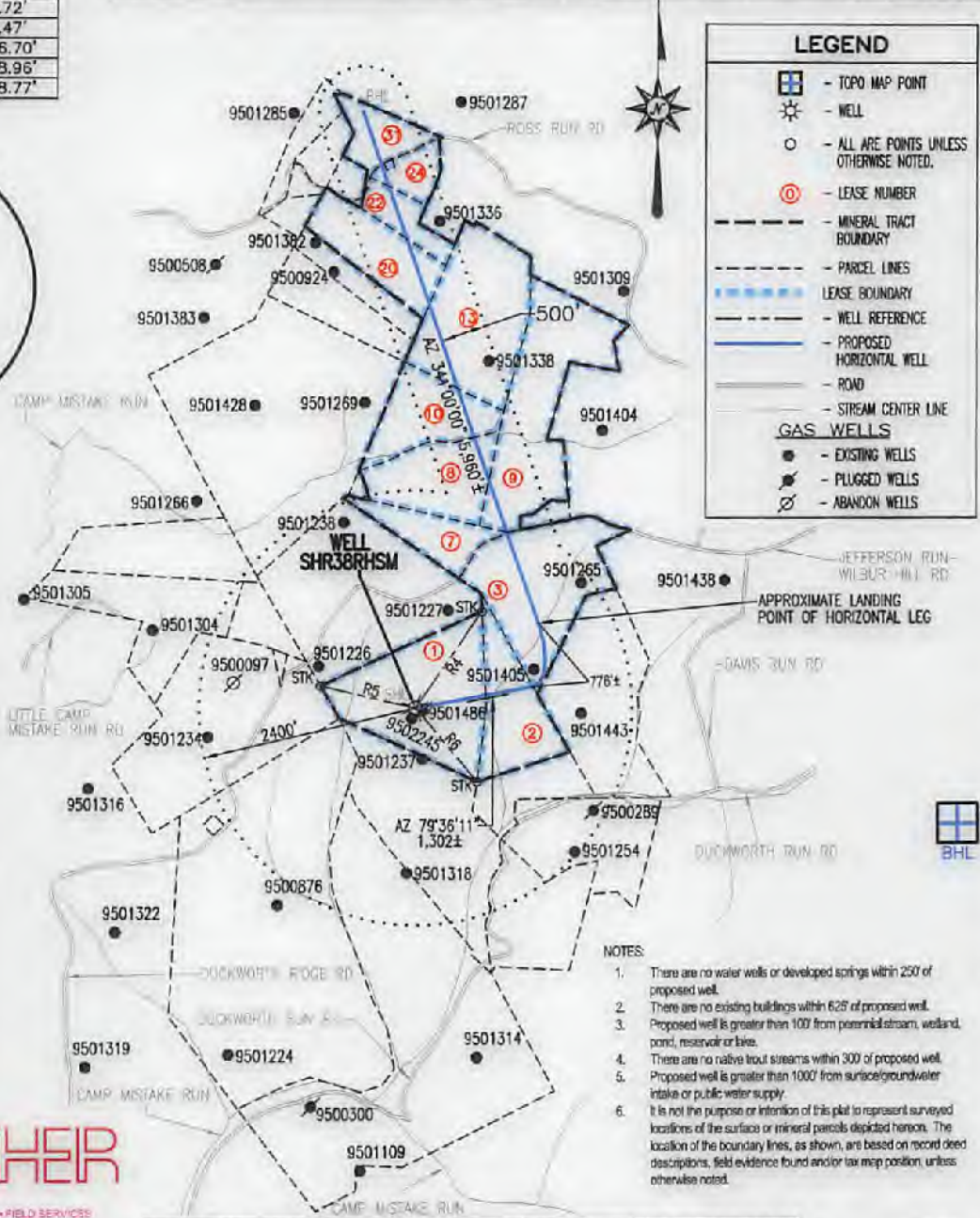
APPROX. LANDING POINT
 UTM 17-NAD83
 N:4358326.96
 E:514596.06
 NAD83, WY NORTH
 N:321225.622
 E:1592383.784
 LAT/LON DATUM-NAD83
 LAT:39°22'27.443"
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BOTTOM HOLE LOCATION (BHL)
 UTM 17-NAD83
 N:4360033.88
 E:513976.27
 NAD83, WY NORTH
 N:326860.851
 E:1590443.422
 LAT/LON DATUM-NAD83
 LAT:39°23'22.851"
 LON:80°50'15.727"

THRASHER

CIVIL ENVIRONMENTAL CONSULTING & FIELD SERVICES
 600 WHITE OAKS BOULEVARD, SUITE 200, WY 26209
 PHONE (304) 224-4166 FAX (304) 224-7631

SEE PAGE 2 FOR SURFACE OWNERS AND LESSORS



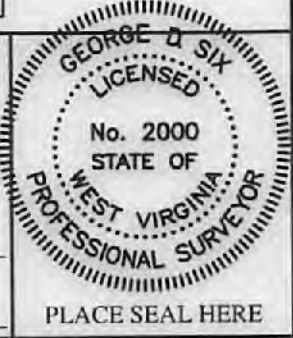
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 2. There are no existing buildings within 625' of proposed well.
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 4. There are no native trout streams within 300' of proposed well.
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BHL is located on topo map 1,235 feet west of Longitude: 80°50'00"
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FILE #: SHR 38 R1HSM
 DRAWING #: SHR 38 R1HSM
 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 R1HSM
 API WELL #: 47 95 02653
 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: 299.246±

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: 13,143±
 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 RHSM

PAGE 2 OF 2

	SURFACE OWNER	LESSOR	DIST-TM/PAR
1	JAMES E. ASH ET AL	VERNA D. 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	JAMES E. ASH ET AL	VERNA D. 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 MARTHA SUE MUZIO, F/K/A MARTHA SUE LOCOCO MARY LYNNE SLATTERY, F/K/A MARY LYNNE LOCOCO RITA G. JARVIS JO ELLEN HARPER DAY WILLIAM PAUL HARPER MARION R. BACHELOR AND GLORIA JEAN BACHELOR, H/W BERDINA ROSE AND NORMAN W. ROSE, W/H DAVID PAUL LOCOCO ELIZABETH FLORENCE LOCOCO MARY LEE LILLY MICHELLE LOCOCO BUSHMIRE, F/K/A MICHELLE LUCRETIA BUSHMIRE DONALD VINCENT LOCOCO MARGO KIEHL JOHN MICHAEL LEONIAN JOHN FULTON LEONIAN JEFFREY TODD HEFLIN JASON S. HEFLIN AND JESSICA L. HEFLIN, H/W NILA ASH SAYLOR REVOCABLE TRUST, BY JOSEPH F. SILEK, JR., TRUSTEE PHILLIP LEONIAN, A/K/A PHILLIP MARSHALL LEONIAN ROBERT LEONIAN, A/K/A JOSEPH ROBERT LEONIAN BAILEY ANN MILLS ARMEN LEONIAN, A/K/A ARMEN LANHAM LEONIAN THERESA LEE ROBERTSON ROSE MARIE VANHELVLEN COMMONWEALTH ENERGY, INC. A/K/A COMMONWEALTH ENERGY	P/O 1-16/19
3	CONRAD COSTILOW	GARY W. AND DEBRA J. DAVIS RUBY N. SPENCER AND FRED A. NICHOLS AND LAURA L. NICHOLS, H/W IRO NICHOLS MONA WRIGHT RALPH SHERWOOD WANDA SCHAUER CONRAD COSTILOW	P/O 1-16/13
7	WILLIAM D. & MARY C. DANIELS	GARY W. AND DEBRA J. DAVIS RUBY N. SPENCER AND FRED A. NICHOLS AND LAURA L. NICHOLS, H/W IRO NICHOLS MONA WRIGHT RALPH SHERWOOD WANDA SCHAUER CONRAD COSTILOW	1-16/2.1
8	WILLIAM D. & MARY C. DANIELS	WILLIAM N. DANIELS AND MARY C. DANIELS, H/W	P/O 1-16/2
9	WILLIAM N. & MARY C. DANIELS	DONALD L. SECKMAN AND DORA SECKMAN, H/W	1-13/7
10	ERIC A. SNYDER	BOUNTY MINERALS, LLC	1-16/3
13	ERIC A. SNYDER	TIMOTHY N. INGOGLIA AND NANCY J. INGOGLIA, H/W ANN JONES CASEY AND E. LEE CASEY, W/H	P/O 1-13/7.1
20	MATTHEW ASH	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 FORREST JENKINS AND EVA JENKINS, H/W, FORREST JENKINS, ATTORNEY-IN-FACT FOR THE FOLLOWING: CARL JENKINS, BETTY JENKINS, STELLA DEAN JENKINS, ZETTA ASH, ALICE HAUGHT AND THOMAS HAUGHT ZETTA F. ASH CARL JENKINS AND BETTY JENKINS, H/W STELLA DEAN JENKINS ALICE HAUGHT ALFRED COTTRILL, INDIVIDUALLY AND AS ATTORNEY- IN-FACT FOR RENNA FOX BARBARA BALLOU BAKER KAYMONNE PASULKA CHARLES H. BALLOU AND LOIS M. BALLOU, H/W STEVEN E. BALLOU AND LINDA M. BALLOU, H/W	1-13/13
22	MATTHEW ASH	PEGGY JO MOORE LINDA LOU MOORE GEORGE WILLARD MOORE AND CAROLYN A. MOORE, H/W VADA SUZANNA KISSNER CONSOLIDATED MINERALS, LLC	1-13/13.2
24	MARCELLA HAIR & EDWARD HAROLD SNYDER & JEAN SNYDER, C/O MARCELLA HAIR	ELMER D. CECIL AND WILLENE CECIL, H/W MABEL B. MOORE	P/O 1-13/4
31	ONA M. QUELLHORST	ROBERT L. UNDERWOOD AND VICTORIA M. UNDERWOOD, H/W	P/O 1-13/12 P/O 1-13/12.1

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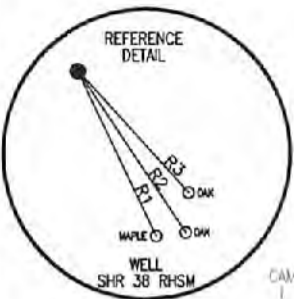
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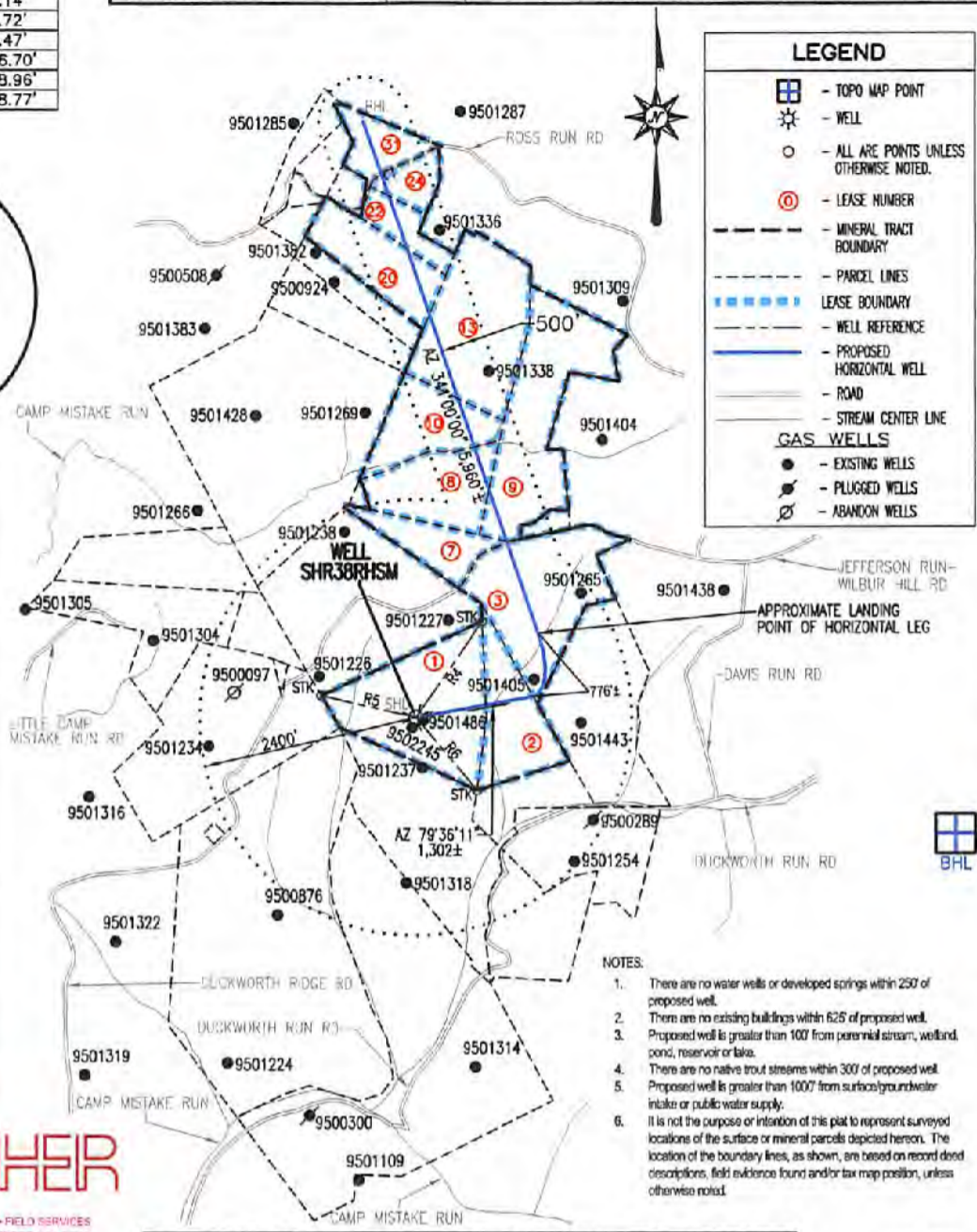
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CIVIL/ENVIRONMENTAL CONSULTING-FIELD SERVICES
 800 WHITE OAKS BOULEVARD, BRIDGEPORT, WV 26330
 PHONE (304) 624-1091 FAX (304) 624-7531

SEE PAGE 2 FOR SURFACE OWNERS AND LESSORS



LEGEND

- TOPO MAP POINT
- WELL
- ALL ARC 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

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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

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 OFFICE OF OIL & GAS
 601 57TH STREET
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