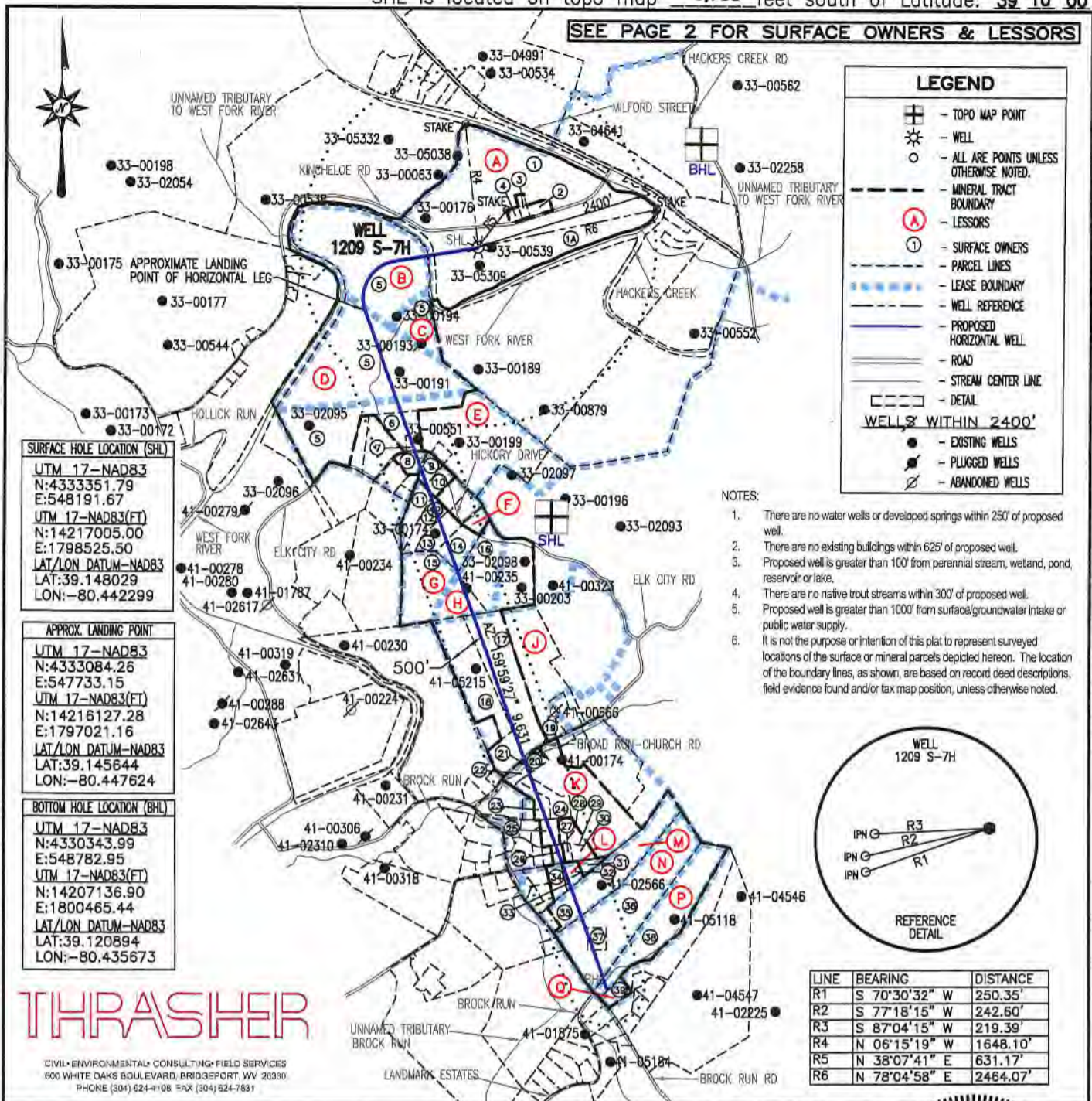


BHL is located on topo map 1,804 feet south of Latitude: 39° 07' 30"
 SHL is located on topo map 6,788 feet south of Latitude: 39° 10' 00"

SEE PAGE 2 FOR SURFACE OWNERS & LESSORS

BHL is located on topo map 5,276 feet west of Longitude: 80° 25' 00"
 SHL is located on topo map 7,270 feet west of Longitude: 80° 25' 00"



THRASHER

CIVIL • ENVIRONMENTAL • CONSULTING • FIELD SERVICES
 600 WHITE OAKS BOULEVARD, BRIDGEPORT, WV 26330
 PHONE (304) 624-4108 FAX (304) 624-7631

FILE #: 1209 S-7H
 DRAWING #: 1209 S-7H
 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 18, 2019
 OPERATOR'S WELL #: 1209 S-7H
 API WELL #: 47 33 05943 MOD
 STATE COUNTY PERMIT

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

WATERSHED: MIDDLE WEST FORK CREEK ELEVATION: 1,007'±
 COUNTY/DISTRICT: HARRISON / UNION QUADRANGLE: WEST MILFORD, WV 7.5'
 SURFACE OWNER: HG ENERGY II APPALACHIA, LLC ACREAGE: 95.06±
 OIL & GAS ROYALTY OWNER: ANN COVINGTON, ET AL ACREAGE: 439.624±

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: 6,900'± TMD: 17,268'±

WELL OPERATOR HG ENERGY II APPALACHIA, LLC DESIGNATED AGENT DIANE C. WHITE
 Address 5260 DUPONT ROAD Address 5260 DUPONT ROAD
 City PARKERSBURG State WV Zip Code 26101 City PARKERSBURG State WV Zip Code 26101

1209 S-7H

PAGE 2 OF 2

	SURFACE OWNER	DIST-TM/PAR
1	DANNY LEE & ALICIA A. STICKEL	P/O 20-444/11.2
1A	HG ENERGY II APPALACHIA, LLC	P/O 20-444/11.2
2	HG ENERGY II APPALACHIA, LLC	20-444/11.3
3	AARON C. & CHRISTINA P. MEDINA	20-444/11
4	HG ENERGY II APPALACHIA, LLC	20-444/11.1
5	ROCK GARTON	12-444/26
6	NORMAN W. & MARGARET A. LOHR	12-444/27.2
7	NORMAN W. & MARGARET A. LOHR	12-444/27.1
8	TRAVIS W. & LOGAN M. SWIGER	12-444/28.1
9	BRYAN D. & KIMBERLY J. SMITH	12-444/37.9
10	BRYAN D. & KIMBERLY J. SMITH	12-444/37.8
11	DAKOTA M. DAVIS	12-444/37.1
12	KAREN L. CRISLIP	12-444/37.2
13	KEVIN MARION	12-444/37.3
14	DONALD EARL HONAKER	12-444/37.4
15	ROBERT SCOTT STARKEY	4-7B/59
16	ROBERT SCOTT STARKEY	4-7B/60
17	LEE ARCH & SUSAN B. STALNAKER	4-7B/5.1
18	MARK D. & MARY ELIZABETH REASER	4-7B/5.7
19	HERBERT & VELMA SIAS	4-7B/29.17
20	HERBERT & VELMA SIAS	4-7B/28.1
21	HERBERT & VELMA SIAS	4-7B/28.2
22	DANIEL R. & SARITA M. PRINCE	4-7B/28
23	CEMETERY BROAD RUN	4-7B/25
24	CEMETERY BROAD RUN	4-7B/26
25	ARQUILLA JANE RAINES	4-7B/29.13
26	CARMEN V. BUTCHER	4-7C/74
27	STEPHANIE KIRKPATRICK	4-7C/75
28	VIRGIL B. & MELODY K. WHITE	4-7B/29.10
29	CHARLES E. BYRNE	4-7C/86
30	ALLEN C. & LILLY M. JACKSON	4-7C/73
31	FRANK L. & MARY ELLEN BRAGG	4-7C/68
32	FRANK L. & MARY ELLEN BRAGG	4-7C/64
33	FRANK L. & MARY ELLEN BRAGG	4-7C/59
34	RALPH L. COLE	4-7C/62
35	ROBERT G. & ALISA G. GUM	4-7C/30.2
36	ROBERT G. & ALISA G. GUM	4-7C/31
37	ROBERT G. & ALISA G. GUM	4-7C/31.1
38	KEVIN B. & SHERI K. JERDEN	4-8C/1.1
39	*FRANCES JANE HUSTEAD & JUNE STALNAKER PENELOPE	4-8C/1

SURFACE HOLE LOCATION (SHL)

UTM 17-NAD83
 N:4333351.79
 E:548191.67
 UTM 17-NAD83(FT)
 N:14217005.00
 E:1798525.50
 LAT/LON DATUM-NAD83
 LAT:39.148029
 LON:-80.442299

APPROX. LANDING POINT

UTM 17-NAD83
 N:4333084.26
 E:547733.15
 UTM 17-NAD83(FT)
 N:14216127.28
 E:1797021.16
 LAT/LON DATUM-NAD83
 LAT:39.145644
 LON:-80.447624

BOTTOM HOLE LOCATION (BHL)

UTM 17-NAD83
 N:4330343.99
 E:548782.95
 UTM 17-NAD83(FT)
 N:14207136.90
 E:1800465.44
 LAT/LON DATUM-NAD83
 LAT:39.120894
 LON:-80.435673

	LESSOR	LEASE NO.	DIST-TM/PAR
A	J. B. GUSMAN ET AL	FK020606	20-444/11.2
B	J. A. HARDWAY ET AL	FK004424	12-444/26
C	J. Q. MUSSER	FK061781	
D	W. W. BRANNON ET UX	FK032708	
E	J. K. MUSSER ET UX	FK002243	12-444/26 12-444/27.2 12-444/27.1 12-444/28.1
F	KENNETH R. SIMONS ET AL O.B. FRASHUER ET UX	FK064201 FK064206	12-444/37.1 12-444/37.2 12-444/37.9 12-444/37.8 12-444/37.3 12-444/37.4
G	ETHEL B. PAINE ET AL	FK064249	4-7B/59
H	J. Q. MUSSER ET UX	FK002249	4-7B/59 4-7B/60
J	S. G. HALL ET UX	FK014031	4-7B/5.1 4-7B/5.7
K	ALDA V. HIIT	FK077958	4-7B/28.1 4-7B/28.2 4-7B/28 4-7B/25 4-7B/26 4-7B/29.13 4-7C/74
L	C. A. BAILY	CNX26831600	4-7C/64 4-7C/59 4-7C/62
M	J. H. BAILEY ET AL	Q102176000	4-7C/30.2
N	ALISA G. GUM LORI LEE CALDWELL GERALD W. RAMSBURG KARRIE DIANE SIMS DENISE C. CARSON KAREN K. HOBBS KATRINA L. WEST DAVID C. GARVIN	Q102118000 Q102123000 Q098757000 Q102112000 Q102117000 Q102122000 Q102121000 Q102119000	4-7C/31 4-7C/31.1
P	KEVIN B. JERDEN ET UX	Q102115000	4-8C/1.1
*Q	HUSTEAD FRANCES JANE PENELOPE JUNE STALNAKER	Q100607000	4-8C/1

* - DENOTES PARCEL WITHIN 30 FEET OF PLANNED WELL BORE

THRASHER

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

SEPTEMBER 18, 2019

API WELL #: 47 33 05943 MOD
 STATE COUNTY PERMIT