

BHL is located on topo map 4,857 feet south of Latitude: 39° 07' 30"
 SHL is located on topo map 6,773 feet south of Latitude: 39° 10' 00"

SEE PAGE 2 FOR PLAT DUE TO LENGTH OF LATERAL

SEE PAGE 3 FOR SURFACE OWNERS

BHL is located on topo map 1,125 feet west of Longitude: 80° 25' 00"
 SHL is located on topo map 7,270 feet west of Longitude: 80° 25' 00"

	LESSOR	LEASE NO.	DIST-TM/PAR
A	J. B. GUSMAN ET AL	FK020606	20-444/11.2 12-444/21 12-444/22 20-444/11.3 12-444/11 12-444/11.1
B	HOWARD NEELY	FK014008	12-444/43 12-444/32 12-465/14 12-465/15 4-8B/1.25 4-8B/1.19 4-8B/1.5
C	W. L. RIFFE ET AL	FK064316	4-8B/1.7 4-8B/1.1 4-8B/1.18 4-8B/1.15 4-8B/1.8
D	H. S. BAILEY ET AL	FK013035	4-8B/1.5 4-8B/1.1
E	ISAAC JACKSON	LC009807	4-8B/4 4-8B/5 4-8C/29 4-8C/34
F	FREDA M. COLVIN ET VIR	CNX024530	P/O 4-8C/28
G	ROBERT BLAIR III	HGI1147	P/O 4-8B/28



SURFACE HOLE LOCATION (SHL)
 UTM 17-NAD83(M)
 N:4333356.36
 E:548191.39
 UTM 17-NAD83(ET)
 N:14217020.00
 E:1798524.60
 LAT/LON DATUM-NAD83
 LAT:39.148070
 LON:-80.442302

APPROX. LANDING POINT
 UTM 17-NAD83(M)
 N:4333394.43
 E:548593.37
 UTM 17-NAD83(ET)
 N:14217144.89
 E:1799843.41
 LAT/LON DATUM-NAD83
 LAT:39.148391
 LON:-80.437648

BOTTOM HOLE LOCATION (BHL)
 UTM 17-NAD83(M)
 N:4329328.15
 E:550089.65
 UTM 17-NAD83(ET)
 N:14203804.12
 E:1804752.47
 LAT/LON DATUM-NAD83
 LAT:39.111666
 LON:-80.420633

THRASHER

CIVIL • ENVIRONMENTAL • CONSULTING • FIELD SERVICES
 800 WHITE OAKS BOULEVARD, BRIDGEPORT, WV 26330
 PHONE (304) 624-4109 • FAX (304) 624-7831

FILE #: <u>1209 S-10H</u>	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.	
DRAWING #: <u>1209 S-10H</u>		
SCALE: <u>1" = 2000'</u>		
MINIMUM DEGREE OF ACCURACY: <u>1/2500</u>		
PROVEN SOURCE OF ELEVATION: <u>U.S.G.S. MONUMENT THOMAS 1498.81'</u>	Signed:	R.P.E.: _____ L.L.S.: <u>P.S. No. 2000</u>

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

DATE: SEPTEMBER 19, 2019
 OPERATOR'S WELL #: 1209 S-10H
 API WELL #: 47 33 05946 Mod
 STATE COUNTY PERMIT

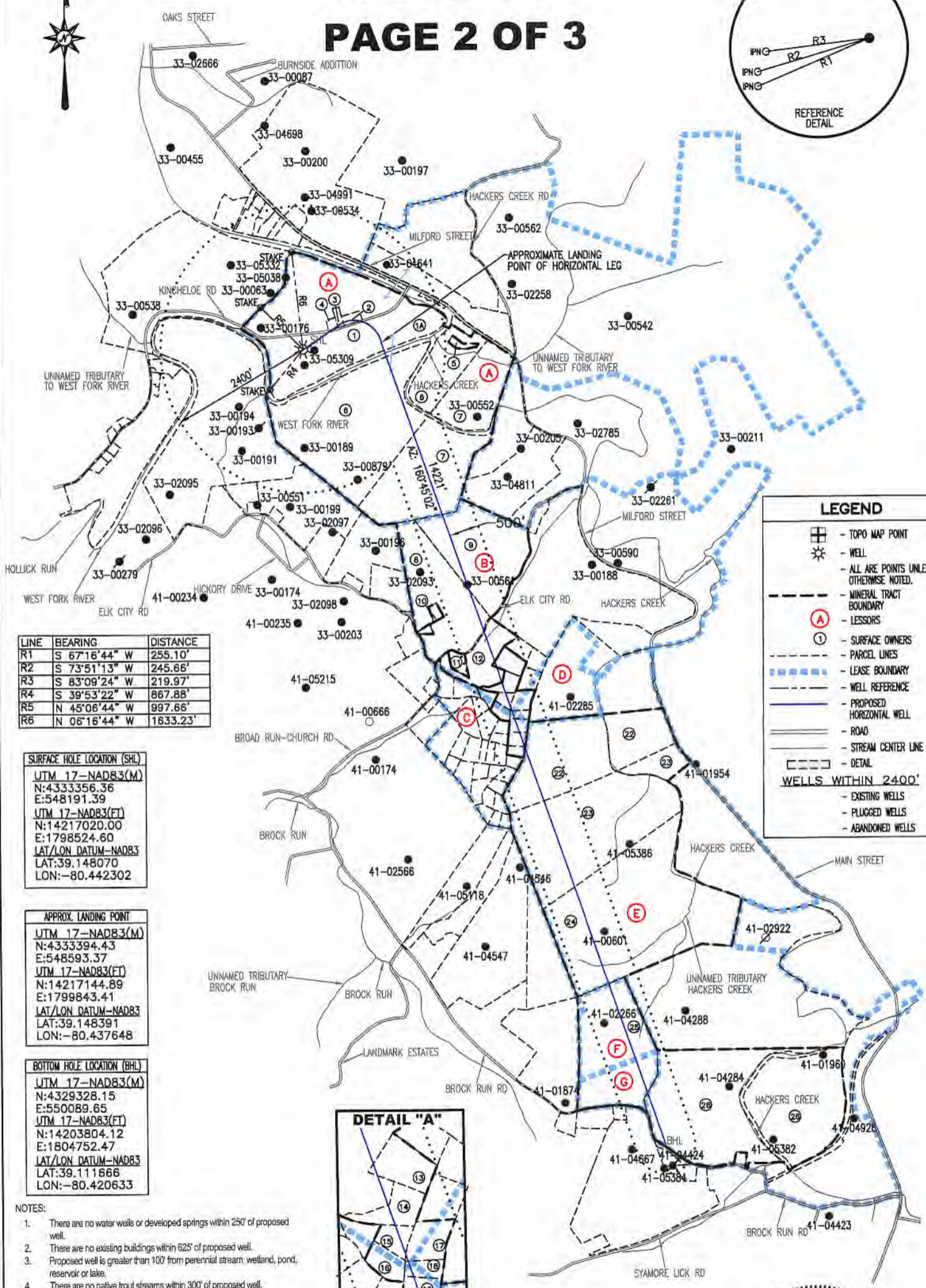
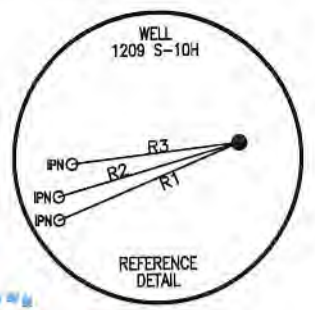
Well Type: Oil Waste Disposal Production Deep
 Gas Liquid Injection Storage Shallow

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: 879.03±

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: 21,746'±
 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-10H PAGE 2 OF 3



LEGEND

- TOPO MAP POINT
- WELL
- ALL ARE POINTS UNLESS OTHERWISE NOTED.
- MINERAL TRACT BOUNDARY
- LESSORS
- SURFACE OWNERS
- PARCEL LINES
- LEASE BOUNDARY
- WELL REFERENCE
- PROPOSED HORIZONTAL WELL
- ROAD
- STREAM CENTER LINE
- DETAIL

WELLS WITHIN 2400'

- EXISTING WELLS
- PLUGGED WELLS
- ABANDONED WELLS

LINE	BEARING	DISTANCE
R1	S 67°16'44" W	255.10'
R2	S 73°51'13" W	245.66'
R3	S 83°09'24" W	219.97'
R4	S 39°53'22" W	867.88'
R5	N 45°06'44" W	997.66'
R6	N 06°16'44" W	1633.23'

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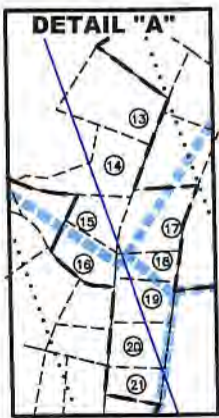
BOTTOM HOLE LOCATION (BHL)

UTM 17-NAD83(M)
N:4329328.15
E:550089.65

UTM 17-NAD83(FT)
N:14203804.12
E:1804752.47

LAT/LON DATUM-NAD83
LAT:39.111866
LON:-80.420633

- 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.



API WELL #: 47 33 05946 MOD
STATE COUNTY PERMIT

SEPTEMBER 19, 2019

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George D. Six

1209 S-10H

PAGE 3 OF 3

	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	ERIC K. & SUSIE G. DECKER	12-444/21.2
6	ERIC K. & SUSIE G. DECKER	12-444/21
7	ERIC K. & SUSIE G. DECKER	12-444/22
8	BARBARA LEE SETLIFF	12-444/43
9	ERIC K. & SUSIE G. DECKER	12-444/32
10	REBECAH D. CARSON & PAMELA M. MINIGH	12-444/43.2
11	DAREN R. & AMANDA G. HENDERSHOT	4-8B/1.33
12	JOEL V. & KAY N. KROLL AND JOEL DANIEL KROLL	12-465/14
13	FRED J., JR. & MICHELE L. TURNER	12-465/15
14	WILLIAM E. & BARBARA A. FULTZ	04-8B/1.25
15	JEREMY M. & AMANDA A. JONES	04-8B/1.19
16	WESLEY T. BURTON	04-8B/1.7
17	KERRIE DIANE WORKMAN	04-8B/1.5
18	GERALD E. BENNINGTON	04-8B/1.1
19	WILLIAM C. WHITE	04-8B/1.18
20	DARRELL K. KINCAID	04-8B/1.15
21	JOAN G. MILLER	04-8B/1.8
22	THOMAS E. & TERRI E. HAWKINS	4-8B/4
23	THOMAS E. & TERRI E. HAWKINS	4-8B/5
24	C. D. COLE II	4-8C/29
25	C. D. COLE II	4-8C/28
25	CHARLES D. COLE II	4-8C/34

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