

BHL is located on topo map 6,916 feet south of Latitude: 39°07'30"  
 SHL is located on topo map 4,771 feet south of Latitude: 39°05'00"

**SEE PAGE 2 FOR PLAT DUE TO LENGTH OF LATERAL**

BHL is located on topo map 4,872 feet west of Longitude: 81°05'00"  
 SHL is located on topo map 791 feet west of Longitude: 81°05'00"

01/11/20

	SURFACE OWNER	DIST-TM/PAR
1	KENNETH PAUL GOODNIGHT	07-26/55
2	AYERS CEMETERY	07-26/55.1
3	DAVID F. CUNNINGHAM	07-26/21
4	J. D. CUNNINGHAM	07-26/11.1
5	JENNINGS DARWIN CUNNINGHAM II	07-26/11
6	ALFAB INCORPORATED	07-26/6
7	ALFAB INCORPORATED	07-26/7
8	C. M. ELLIOTT HRS (CHAS. M.) C/O MARY CARPENTER	07-18/30
	C. W. ELLIOTT HRS C/O MARY C. OLDAKER	
	LONNIE W. ELLIOTT HRS C/O JANET SUE ELLIOTT	
	LUVINA J. ELLIOTT	
	DAVID P., JR. & JANET SUE ELLIOTT	
	RAY ELLIOTT	
	JOHN J., II & ELLYSON MARY OLDAKER C/O MARY C. OLDAKER	
	ELZONA PROST HRS	
	KENNETH H. PARKS, WILLIAM TYRAN & MARY PARKS	
	C/O BARBARA J. BARKER AND ROBERT H. PARKS	
	LYDIA M. PARKS EST & F. EUSTACE C/O LYDIA ENOS	
	HAUGHT FARM LLC	
	E. CLIFFORD WOLFE	
	WILLIAM B. ELLIOTT	
	TIMOTHY AMOS CLAYTON & JOE L. SWEETCRAFT,	
	CATHY ANN TRUESDELL	
	ERNEST J. DYE, NORMA J. COTRILL & LOIS C. PORTER	
	EDWARD LEE PORTER JR., EDWIN LEE PORTER SR.,	
	GARY MICHAEL & STEVEN TODD PORTER	
	JUDY L. MILLER	
	MARY LOU NATH	
	EDDIE C. WATSON	
	IRENA W. CONLEY	
	EDNA HARDMAN	
	ERNEST L. HARTSHORN	
	MARY ELIZABETH HILTON CARPENTER	
	SUE ELLIOTT NORRIS	
9	A. J. SCOTT	07-18/19
10	HEARTWOOD FORESTLAND FUND IV LIMITED PARTNERSHIP	07-18/18
11	HEARTWOOD FORESTLAND FUND IV LIMITED PARTNERSHIP	07-18/15
12	KEVIN SCOTT SIMMONS & LISA MICHELLE HONAKER	07-18/8
13	HEARTWOOD FORESTLAND FUND IV LIMITED PARTNERSHIP	07-18/7

**SURFACE HOLE LOCATION (SHL)**

**UTM 17-NAD83(M)**  
 N:4324574.10  
 E:492550.27

**UTM 17-NAD83(FT)**  
 N:14188206.86  
 E:1615975.34  
 LAT/LON DATUM-NAD83  
 LAT:39.070234  
 LON:-81.086118



**APPROX. LANDING POINT**

**UTM 17-NAD83(M)**  
 N:4324767.37  
 E:492684.28

**UTM 17-NAD83(FT)**  
 N:14188840.95  
 E:1616415.00  
 LAT/LON DATUM-NAD83  
 LAT:39.071977  
 LON:-81.084571



**BOTTOM HOLE LOCATION (BHL)**

**UTM 17-NAD83(M)**  
 N:4328545.78  
 E:491310.28

**UTM 17-NAD83(FT)**  
 N:14201237.27  
 E:1611907.14  
 LAT/LON DATUM-NAD83  
 LAT:39.106012  
 LON:-81.100503

	LESSOR	DIST-TM/PAR
A	M. A. AYERS	07-26/55
B	WILSON	07-26/21
C	PARKS/ WILSON	07-26/11.1
		07-26/11
D	HAUGHT/EVANS	07-26/6
E	S. H. WESTFALL	07-26/7
F	MARY ELLIOT HEIRS	07-18/30
G	MARY E. SCOTT	07-18/19
H	A. ELLIOTT	07-18/18
J	R. JOHNSON	07-18/15
K	HEDGE	07-18/8
L	PARKS	07-18/7



FILE #: GOODNIGHT 1402 N-3H

DRAWING #: GOODNIGHT 1402 N-3H

SCALE: 1" = 2000'

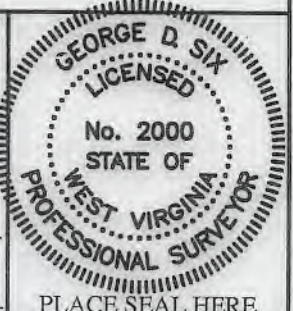
MINIMUM DEGREE OF ACCURACY: 1/2500

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: AUGUST 14, 2018

OPERATOR'S WELL #: GOODNIGHT 1402 N-3H

API WELL #: 47 85 1037546A

STATE COUNTY PERMIT

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

WATERSHED: SOUTH FORK HUGHES RIVER ELEVATION: 739'±

COUNTY/DISTRICT: RITCHIE / MURPHY QUADRANGLE: SMITHVILLE, WV 7.5'

SURFACE OWNER: KENNETH PAUL GOODNIGHT ACREAGE: 239.924±

OIL & GAS ROYALTY OWNER: M. A. AYERS ACREAGE: 1032.649±

DRILL  CONVERT  DRILL DEEPER  REDRILL  FRACTURE OR STIMULATE

PLUG OFF OLD FORMATION  PERFORATE NEW FORMATION  PLUG & ABANDON

CLEAN OUT & REPLUG  OTHER CHANGE  (SPECIFY): AND DRILL HORIZONTAL MARCELLUS SHALE WELL

TARGET FORMATION: UTICA TEST/MARCELLUS SHALE PRODUCTION ESTIMATED DEPTH: UTICA TVD: 10,750'±  
TVD: 5,830'± TMD: 19,524'±

WELL OPERATOR HG ENERGY II APPALACHIA, LLC DESIGNATED AGENT DIANE C. WHITE

Address 5260 DUPONT ROAD Address 5260 DUPONT ROAD

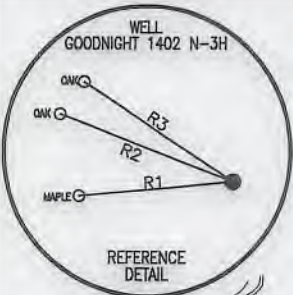
City PARKERSBURG State WV Zip Code 26101 City PARKERSBURG State WV Zip Code 26101

# GOODNIGHT 1402 N-3H

## PAGE 2 OF 2

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 plot 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.



LINE	BEARING	DISTANCE
R1	S 84°54'03" W	159.45'
R2	N 68°46'07" W	191.05'
R3	N 56°23'39" W	184.04'
R4	S 59°54'08" W	1553.24'
R5	S 59°37'00" E	1910.24'
R6	S 05°49'05" E	2998.53'

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**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

**WELLS WITHIN 2400'**

- EXISTING WELLS
- PLUGGED WELLS
- ABANDONED WELLS

47- 85-10375H0A

THERE ARE NO DEEP WELLS WITHIN 3000'

AUGUST 14, 2018

**Blue Mountain**  
 11023 MASON DIXON HIGHWAY  
 BURTON, WV 26562  
 PHONE: (304) 662-6486

*George D. Six*

