

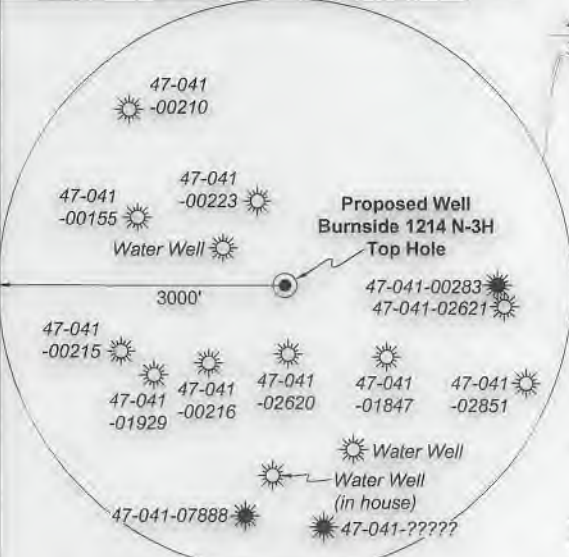
HG Energy II Appalachia, LLC  
Well No. Burnside 1214 N-3H



Notes:  
Well No. Burnside 1214 N-3H  
UTM NAD 1983 (USSF)  
Top Hole Coordinates  
N: 14,206,309.10'  
E: 1,775,709.49'  
Landing Point Coordinates  
N: 14,206,921.13'  
E: 1,776,399.78'  
Bottom Hole Coordinates  
N: 14,218,213.26'  
E: 1,772,414.56'

Tag	Bearing	Dist.	Description
L1	S 42°57' W	1,630.2'	Threaded Pipe
L2	N 69°11' W	2,191.5'	Gate Post
L3	N 55°42' W	1,237.2'	#47-041-01847
L4	N 00°21' E	673.3'	#47-041-02620
L5	N 48°26' E	922.5'	Landing point

Notes: Well No. Burnside 1214 N-3H  
West Virginia Coordinate System of 1927, North Zone  
based upon Differential GPS Measurements.  
Top Hole coordinates Bottom Hole coordinates  
Latitude: 39°07'08.11" Latitude: 39°09'05.98"  
Longitude: 80°31'23.37" Longitude: 80°32'04.41"  
UTM Zone 17, NAD 1983  
Top Hole Coordinates Bottom Hole Coordinates  
N: 4,330,091.674m N: 4,333,720.069m  
E: 541,237.334m E: 540,233.038m  
Plat orientation and corner and well references are  
based upon the grid north meridian. Well location  
references are based upon the magnetic meridian.



Note: 3 water well was found within 2000' of proposed well. No occupied dwellings or buildings 2,500 square feet or larger used to house or shelter dairy cattle or poultry husbandry are located within 625' of the center of the well pad.

FILE NO: 236-36-12-19  
DRAWING NO: Burnside 1214 N-3H Well Plat  
SCALE: 1" = 2000'  
MINIMUM DEGREE OF ACCURACY:  
Submeter  
PROVEN SOURCE OF ELEVATION:  
CORS, Bridgeport, WV

**STATE OF WEST VIRGINIA**  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
**OIL AND GAS DIVISION**

DATE: October 13 2020  
OPERATOR'S WELL NO. Burnside 1214 N-3H  
API WELL NO. ~~464~~  
47 - 041 - ~~05701~~  
STATE COUNTY PERMIT

WELL TYPE:  OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL  
(IF GAS) PRODUCTION:  STORAGE  DEEP  SHALLOW  
LOCATION: ELEVATION: 1159' WATERSHED: Middle West Fork Creek  
DISTRICT: Freemans Creek  
SURFACE OWNER: John K. Burnside, et al  
ROYALTY OWNER: J.S. Hall, et al, et al LEASE NO: ACREAGE: 214.08  
PROPOSED WORK:  DRILL  CONVERT  DRILL DEEPER  FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION  
 PERFORATE NEW FORMATION  OTHER PHYSICAL CHANGE IN WELL (SPECIFY)  
 PLUG AND ABANDON  CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 19,227' MD 6,693' TVD

WELL OPERATOR: HG Energy II Appalachia, LLC DESIGNATED AGENT: Diane C. White  
ADDRESS: 5260 Dupont Road ADDRESS: 5260 Dupont Road  
Parkersburg, WV 26101 Parkersburg, WV 26101

9,798' to Bottom Hole

6,568' to Top Hole

TOP LATITUDE 39 - 07 - 30  
BTM LATITUDE 39 - 10 - 00

Page 1 of 2

LONGITUDE 80 - 30 - 00  
2,215' to Top Hole  
5,464' to Bottom Hole



SEAL  
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 rules issued and prescribed by the Department of Environmental Protection.  
*Kevin S. James*  
Kevin S. James, P.S. 2305

GRID NORTH

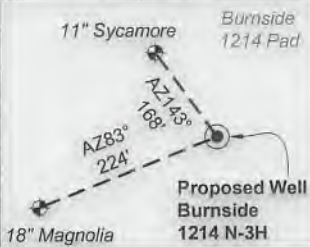
WELL TYPE:  OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL  
(IF GAS) PRODUCTION:  STORAGE  DEEP  SHALLOW

LOCATION: ELEVATION: 1159' WATERSHED: Middle West Fork Creek  
DISTRICT: Freemans Creek  
SURFACE OWNER: John K. Burnside, et al  
ROYALTY OWNER: J.S. Hall, et al, et al LEASE NO: ACREAGE: 214.08  
PROPOSED WORK:  DRILL  CONVERT  DRILL DEEPER  FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION  
 PERFORATE NEW FORMATION  OTHER PHYSICAL CHANGE IN WELL (SPECIFY)  
 PLUG AND ABANDON  CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 19,227' MD 6,693' TVD

WELL OPERATOR: HG Energy II Appalachia, LLC DESIGNATED AGENT: Diane C. White  
ADDRESS: 5260 Dupont Road ADDRESS: 5260 Dupont Road  
Parkersburg, WV 26101 Parkersburg, WV 26101

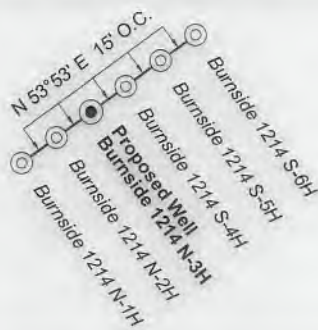


**Well Location References  
Not to Scale**



ID	Lease
1	J.S. Hall, et ux
2	W.J. Grant, et al
7	Hudson Bailey
8	Lowman E. Garrett, et al
9	Silas E. Gochenour, et al
10	Will E. Morris, et al
11	C.M. Garrett, et al
12	Ira L. Queen, et al
13	Clara Queen, et vir, et al
14	John L. Burnside, et al
15	W.T. Highland, et al
16	W.G. Bailey
17	Lizzie B. Conley
18	Ruth Bailey
24	Oma G. Hall, et al

**Wellhead Layout (NTS)**



**Legend**

- Proposed gas well
- Well Reference, as noted
- Monument, as noted
- Existing Well, as noted
- Existing Plugged Well, as noted
- Digitized Well, as noted
- Creek or Drain
- Existing Road
- Surface boundary (approx.)
- Adjoiner surface tracts (approx.)

Lewis Co. - Freeman Creek Dist.				
No.	TM / Par	Owner	Bk / Pg	Ac.
1	6C / 3.2	John K. Burnside, et al	W1 / 392	115.00
2	5C / 41	HG Energy II Appalachia	740 / 377	23.90
3	6C / 3	Phillip E. Burnside, et al	666 / 38	87.20
4	5C / 34	Karina K. Rowe	572 / 209	42.00
5	5C / 49	Edward E. Garrett, et al	429 / 245	28.50
6	5B / 18	Mike Ross Inc.	659 / 215	271.43
7	5C / 47	James C. Garrett, et al	621 / 578	1.80
8	6B / 8	James C. Garrett, et al	621 / 578	47.00
9	6B / 6	James C. Garrett, et al	621 / 578	30.00
10	5B / 39	Edward E. Garrett, et al	429 / 245	55.00
11	6B / 5	James C. Garrett, et al	621 / 578	136.00
12	5B / 38	John K. Burnside, et al	W1 / 393	75.00
13	5B / 36	Edward E. Garrett, et al	429 / 245	64.00
14	5B / 37	John K. Burnside, et al	W1 / 393	36.00
15	5B / 32	John & Rhonda Myers	652 / 73	76.64
16	5B / 35	Ruth U. Theofield Living Trust Agreement October 24, 2018	740 / 840	96.69
17	5B / 34	Mark D. Griffith	652 / 69	20.49
Harrison Co. - Union-Outside Dist.				
No.	TM / Par	Owner	Bk / Pg	Ac.
18	442 / 8.3	William Coffindaffer, et ux (LE)	1585 / 819	114.79
19	442 / 7.1	Stephanie Stalnaker	1674 / 1254	43.24
20	442 / 7	Michael A. & Sarah G. Weaver	1592 / 1189	61.10
21	442 / 6	J.C. & Karen Lynn Hayhurst	1592 / 1194	97.01

FILE NO: 236-36-12-19  
DRAWING NO: Burnside 1214 N-3H Well Plat  
SCALE: 1" = 2000'  
MINIMUM DEGREE OF ACCURACY: Submeter  
PROVEN SOURCE OF ELEVATION: CORS, Bridgeport, WV

**STATE OF WEST VIRGINIA**  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
**OIL AND GAS DIVISION**

DATE: October 13 2020  
OPERATOR'S WELL NO. Burnside 1214 N-3H  
API WELL NO. H44  
47 - 041 - 05701  
STATE COUNTY PERMIT

WELL TYPE:  OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL  
(IF GAS) PRODUCTION:  STORAGE  DEEP  SHALLOW

LOCATION: ELEVATION: 1159' WATERSHED: Middle West Fork Creek QUADRANGLE: Top: Camden  
DISTRICT: Freemans Creek COUNTY: Lewis  
SURFACE OWNER: John K. Burnside, et al ACREAGE: 115.00  
ROYALTY OWNER: J.S. Hall, et al, et al LEASE NO: ACREAGE: 214.08  
PROPOSED WORK:  DRILL  CONVERT  DRILL DEEPER  FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION  
 PERFORATE NEW FORMATION  OTHER PHYSICAL CHANGE IN WELL (SPECIFY) 6,693' TVD  
 PLUG AND ABANDON  CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 19,227' MD

WELL OPERATOR: HG Energy II Appalachia, LLC DESIGNATED AGENT: Diane C. White  
ADDRESS: 5260 Dupont Road ADDRESS: 5260 Dupont Road  
Parkersburg, WV 26101 Parkersburg, WV 26101