

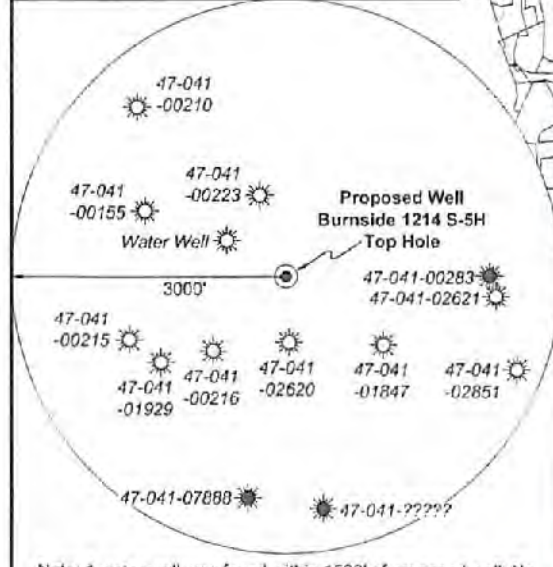
Page 1 of 2
HG Energy II Appalachia, LLC
Well No. Burnside 1214 S-5H MOD

Notes:
 Well No. Burnside 1214 S-5H
 UTM NAD 1983 (USSF)
 Top Hole Coordinates
 N: 14,205,326.78'
 E: 1,775,733.72'
 Landing Point Coordinates
 N: 14,205,511.80'
 E: 1,774,783.47'
 Bottom Hole Coordinates
 N: 14,186,683.01'
 E: 1,781,436.86'



Tag	Bearing	Dist.	Description
L1	S 42°45' W	1,600.7'	Threaded Pipe
L2	N 68°32' W	2,175.3'	Gate Post
L3	N 54°22' W	1,227.5'	#47-041-01847
L4	N 02°21' E	691.6'	#47-041-02620
L5	S 49°23' W	1,251.9'	Landing point

Notes: Well No. Burnside 1214 S-5H
 West Virginia Coordinate System of 1927, North Zone
 based upon Differential GPS Measurements.
 Top Hole coordinates Bottom Hole coordinates
 Latitude: 39°07'08.28" Latitude: 39°03'53.74"
 Longitude: 80°31'23.06" Longitude: 80°30'12.04"
 UTM Zone 17, NAD 1983
 Top Hole Coordinates Bottom Hole Coordinates
 N: 4,330,097.063m N: 4,324,109.673m
 E: 541,244.721m E: 542,983.046m
 Plat orientation and corner and well references are
 based upon the grid north meridian. Well location
 references are based upon the magnetic meridian.



Note: 1 water well was found within 1500' 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.

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



FILE NO: 236-36-12-19
 DRAWING NO: Burnside 1214 S-5H 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: December 3 2021
 OPERATOR'S WELL NO. Burnside 1214 S-5H
 API WELL NO
 47 - 041 - 05727
 STATE COUNTY PERMIT

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

LOCATION: ELEVATION: 1159.2' WATERSHED: Middle West Fork Creek QUADRANGLE: Camden
 DISTRICT: Freemans Creek COUNTY: Lewis
 SURFACE OWNER: John K. Burnside, et al ACREAGE: 02/04/2022
 ROYALTY OWNER: J.S. Hall, et ux, 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) MOD-Curve 6,693' TVD
 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 27,482' 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

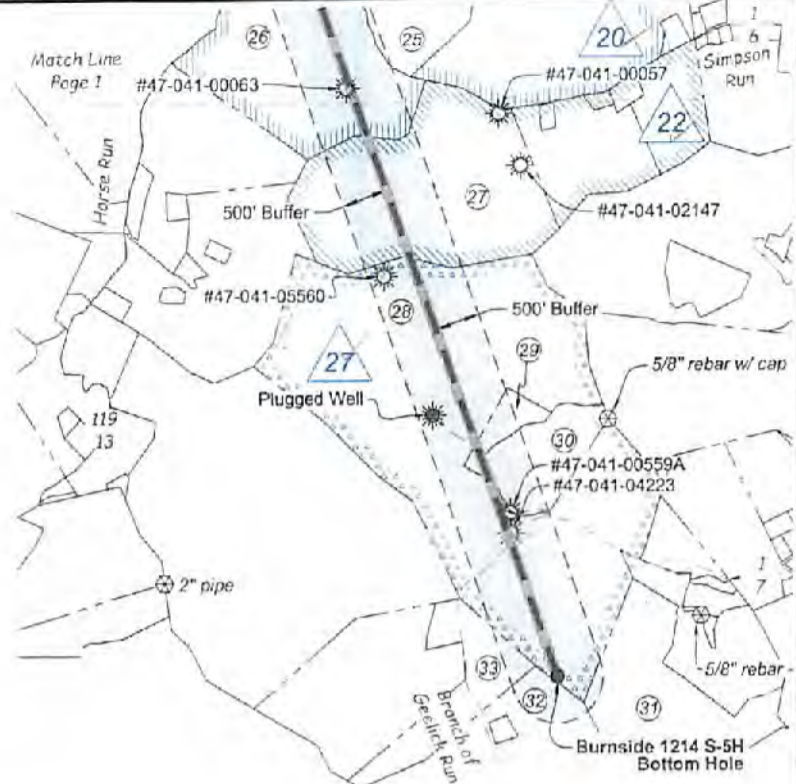
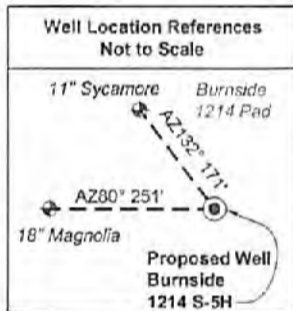
949' to Bottom Hole
 6,544' to Top Hole
 TOP LATITUDE 39 - 07 - 30
 BTM LATITUDE 39 - 05 - 00
 BTM LONGITUDE 80 - 30 - 00
 TOP LONGITUDE 80 - 30 - 00
 2,197' to Top Hole
 6,701' to Bottom Hole



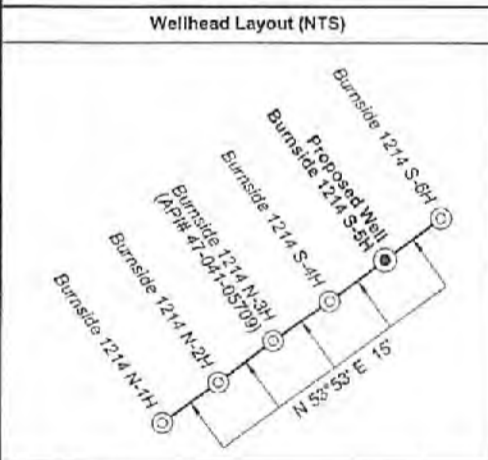
ID	Lease
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3	Blonda S. Hall, et al
4	J.A. Burnside, et al
6	Mary C. Burnside, et al
7	A. Brown, et ux
8	Dale Eugene Copens, et al
9	N.A. Lovett, et ux
11	M.J. Hall, et ux
13	Aldo McKinley
15	Lessie Rill Lantz, et al
17	S.A. Hall, et al
20	J.W. Kemper, et ux
22	James B. Lovett, et ux
27	Lot Hall, et ux
39	M.I. Metheny, et vir
40	Zina L. Kershner, et vir

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.)
- Adjoinder surface tracts (approx.)



Lewis Co. - Freeman Creek Dist.				
No.	TM / Par	Owner	Bk / Pg	Ac.
1	6C / 3.2	John K. Burnside, et al	666 / 44	115.00
2	5C / 34	Karina K. Rowe	572 / 209	42.00
3	5C / 41.1	Mike Ross, Inc. and Waco Oil & Gas	676 / 133	2.09
4	5C / 35	Robert S. Giotfelly	339 / 241	14.77
5	5C / 36	Phillip E. Burnside	766 / 831	0.71
6	5C / 32	Robert S. Giotfelly	339 / 241	94.40
7	5C / 37	Phillip E. Burnside	766 / 831	83.75
8	5C / 41	Phillip E. Burnside	766 / 831	23.90
9	5C / 44	John K. & Reta L. Burnside	631 / 778	51.00
10	6C / 4	James M. Evans III, et al	657 / 228	294.00
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15	6D / 1	Robert L. & Lindsey R. Rittenhouse	691 / 794	1.25
16	6D / 2	Robert L. & Lindsey R. Rittenhouse	691 / 794	74.75
17	6D / 3	James H. Hall Trust	WB H / 147	194.50
18	6D / 5	David B. & Wendall S. Hall	W29 / 176	196.50
19	6D / 10	Sue E. Hall & Alice J. Fisher	W34 / 597	252.44
20	6D / 10.2	WV American Water Company	584 / 552	0.23
21	6D / 9	Daniel E. & Alice J. Fisher	658 / 108	25.00
22	6D / 5.1	D. Brooks & Mary L. Hall	361 / 739	1.51
23	6D / 6	James S. & Tamara B. Wilson	370 / 303	57.25
24	6D / 11	Bradford A. & Michalle D. Taylor	762 / 891	0.30
25	6D / 17.1	Brian K. & Sherril Skidmore	713 / 848	14.00
26	6D / 12	Bradford & Michelle Taylor	762 / 891	77.00
27	6E / 12	James E. Gray, et al	735 / 51	90.50
28	6E / 11.1	Heartwood Forestland Fund VII	666 / 124	235.87
29	6E / 11	Heartwood Forestland Fund VII	666 / 124	6.21
30	6E / 11.2	Jonathan R. & Tracie M. Dodson	632 / 203	21.92
31	6E / 17	Heartwood Forestland Fund VII	666 / 124	56.07
32	6E / 8	Heartwood Forestland Fund VII	666 / 124	93.90
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OIL AND GAS DIVISION

DATE: December 3, 2021
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API WELL NO.
47 - 041 - 05727
STATE COUNTY PERMIT

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ADDRESS: 5260 Dupont Road ADDRESS: 5260 Dupont Road
Parkersburg, WV 26101 Parkersburg, WV 26101

949' to Bottom Hole

6,544' to Top Hole

TOP LATITUDE 39 - 07 - 30
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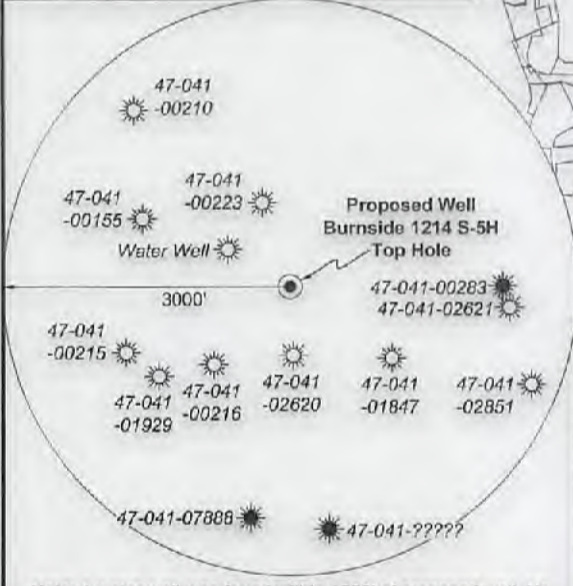
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Match Line Page 2

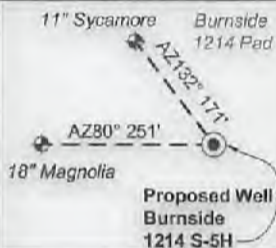


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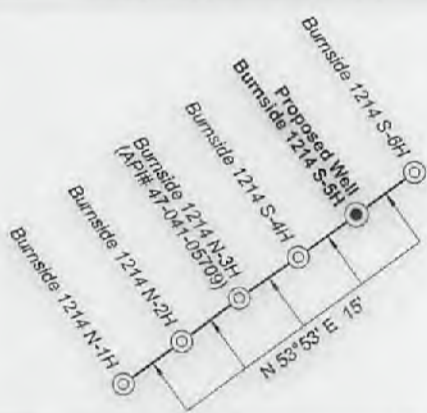
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**Well Location References
Not to Scale**



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Wellhead Layout (NTS)



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DEPARTMENT OF ENVIRONMENTAL PROTECTION
OIL AND GAS DIVISION**

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API WELL NO
47 - 041 - 05707
STATE COUNTY PERMIT

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