

2,547' to Bottom Hole

6,556' to Top Hole

TOP LATITUDE 39 - 07 - 30
BTM LATITUDE 39 - 05 - 00

BTM LONGITUDE 80 - 30 - 00
TOP LONGITUDE 80 - 30 - 00

2,206' to Top Hole

5,909' to Bottom Hole

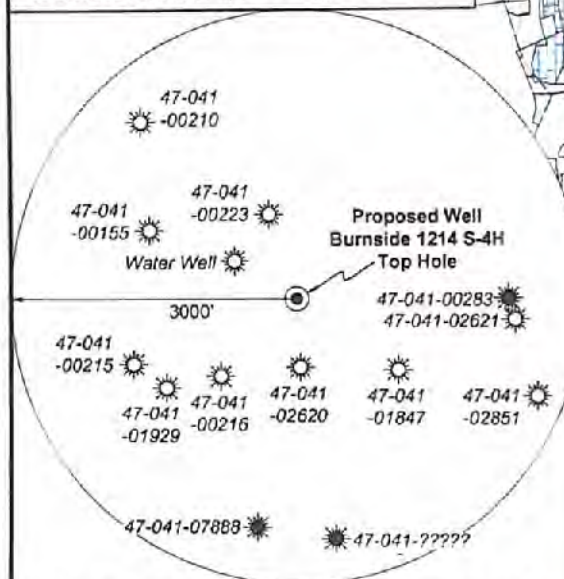
Page 1 of 2
HG Energy II Appalachia, LLC
Well No. Burnside 1214 S-4H MOD

Notes:
Well No. Burnside 1214 S-4H
UTM NAD 1983 (USSF)
Top Hole Coordinates
N: 14,206,317.94'
E: 1,775,721.61'
Landing Point Coordinates
N: 14,205,095.34'
E: 1,773,604.89'
Bottom Hole Coordinates
N: 14,187,466.22'
E: 1,779,834.36'



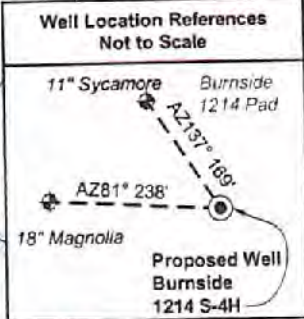
Tag	Bearing	Dist.	Description
L1	S 42°51' W	1,815.4'	Threaded Pipe
L2	N 68°52' W	2,183.3'	Gate Post
L3	N 55°02' W	1,232.3'	#47-041-01847
L4	N 01°22' E	682.3'	#47-041-02620
L5	S 59°59' W	2,444.4'	Landing point

Notes: Well No. Burnside 1214 S-4H
West Virginia Coordinate System of 1927, North Zone
based upon Differential GPS Measurements.
Top Hole coordinates Bottom Hole coordinates
Latitude: 39°07'08.19" Latitude: 39°04'01.57"
Longitude: 80°31'23.21" Longitude: 80°30'32.31"
UTM Zone 17, NAD 1983
Top Hole Coordinates Bottom Hole Coordinates
N: 4,330,094.412m N: 4,324,348.396m
E: 541,241.033m E: 542,494.603m
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



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.)

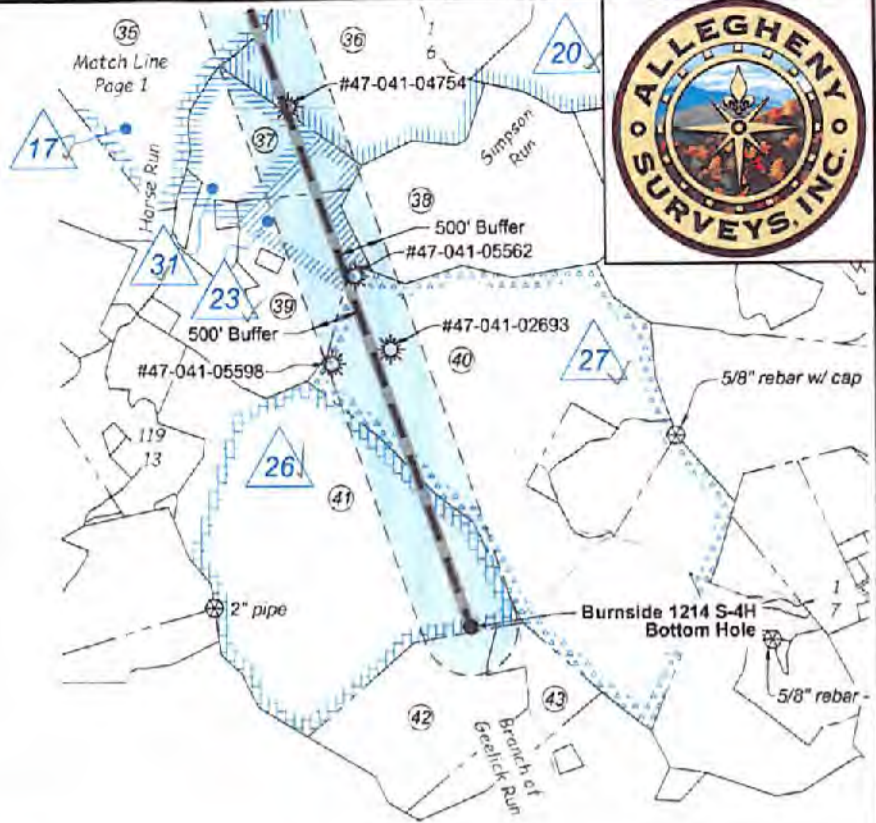
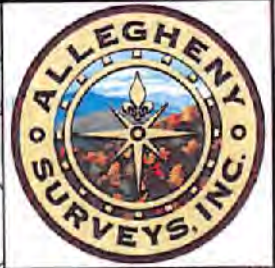
ID	Lease
1	J.S. Hall, et ux
2	W.J. Grant, et ux
3	Blonda S. Hall, et al
4	J.A. Burnside, et al
5	F. White
6	Mary C. Burnside, et al
17	S.A. Hall, et al
20	J.W. Kemper, et ux
23	Airose McKinley, et al
26	R.H. Hall, et ux
27	Lot Hall, et ux
31	Helen M. King, et al
40	Zina L. Kershner, et vir
41	N.A. Lovett, et al

FILE NO: 236-36-12-19
DRAWING NO: Burnside 1214 S-4H Well Plat
SCALE: 1" = 2000'
MINIMUM DEGREE OF ACCURACY: Submeter
PROVEN SOURCE OF ELEVATION: CORS, Bridgeport, WV

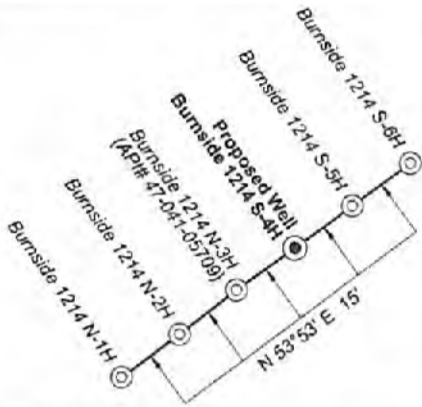
STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OIL AND GAS DIVISION

DATE: December 13 2021
OPERATOR'S WELL NO. Burnside 1214 S-4H
API WELL NO
47 - 041 - 05729
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
DISTRICT: Freemans Creek
SURFACE OWNER: John K. Burnside, et al
ROYALTY OWNER: J.S. Hall, et ux, et al
PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) MOD-Curve
 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 6,693' TVD 26,791' MD
WELL OPERATOR: HG Energy II Appalachia, LLC
ADDRESS: 5260 Dupont Road Parkersburg, WV 26101
DESIGNATED AGENT: Diane C. White
ADDRESS: 5260 Dupont Road Parkersburg, WV 26101

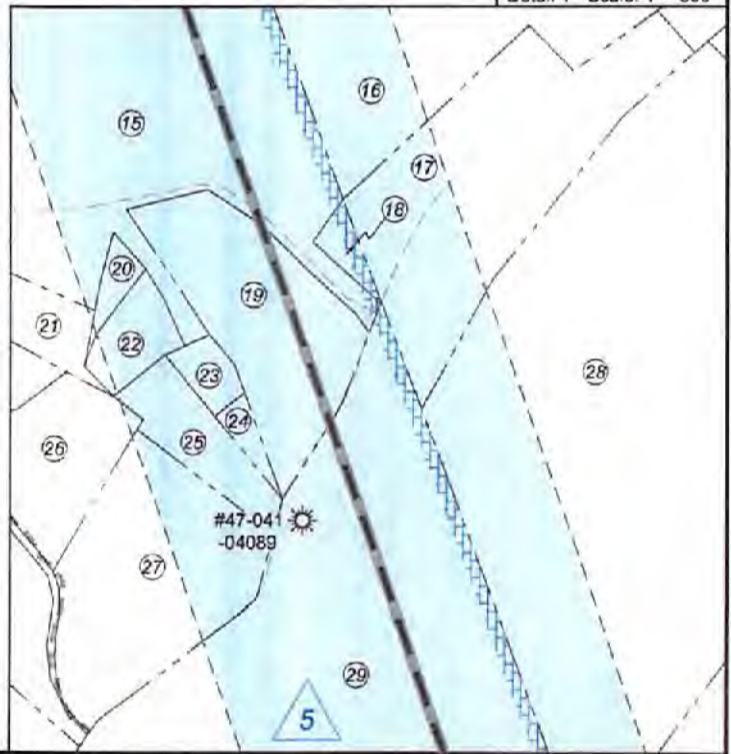


Wellhead Layout (NTS)



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. Gtofelly	339 / 241	14.77
5	5C / 36	Phillip E. Burnside	766 / 831	0.71
6	5C / 32	Robert S. Gtofelly	399 / 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 / 40	Phillip E. Burnside, et al	666 / 503	6.50
10	5C / 39	Phillip E. Burnside, et al	666 / 503	47.00
11	5C / 44	John K. & Reta L. Burnside	631 / 778	51.00
12	5C / 45	Phillip E. Burnside	666 / 503	121.42
13	5C / 46	Phillip E. Burnside	666 / 503	60.00
14	6C / 4	James M. Evans III, et al	657 / 228	294.00
15	5D / 60	William R. Fultineer, et al	627 / 496	74.71
16	6C / 5	Equitable Gas	216 / 185	65.55
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22	5D / 60.16	Jason & Mandy Starcher	677 / 696	1.00
23	5D / 61.1	Randall & Agnes Starcher	440 / 500	0.52
24	5D / 60.8	Marie L. Sprouse	W9 / 190	0.31
25	5D / 61	Lillie M. Sprouse	W9 / 190	1.66
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34	6D / 5	David B. & Wendall S. Hall	W29 / 176	196.50
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Detail 1 - Scale: 1" = 500'



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

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OPERATOR'S WELL NO. Burnside 1214 S-4H
API WELL NO
47 - 041 - 05729
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
DISTRICT: Freemans Creek

QUADRANGLE: Camden
COUNTY: Putnam
ACREAGE: 115.00

SURFACE OWNER: John K. Burnside, et al
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
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ADDRESS: 5260 Dupont Road
Parkersburg, WV 26101

DESIGNATED AGENT: Diane C. White
ADDRESS: 5260 Dupont Road
Parkersburg, WV 26101

2,547' to Bottom Hole

6,556' to Top Hole

TOP LATITUDE 39 - 07 - 30
BTM LATITUDE 39 - 05 - 00

BTM LONGITUDE 80 - 30 - 00
TOP LONGITUDE 80 - 30 - 00
2,206' to Top Hole
5,909' to Bottom Hole

HG Energy II Appalachia, LLC
Well No. Burnside 1214 S-4H MOD

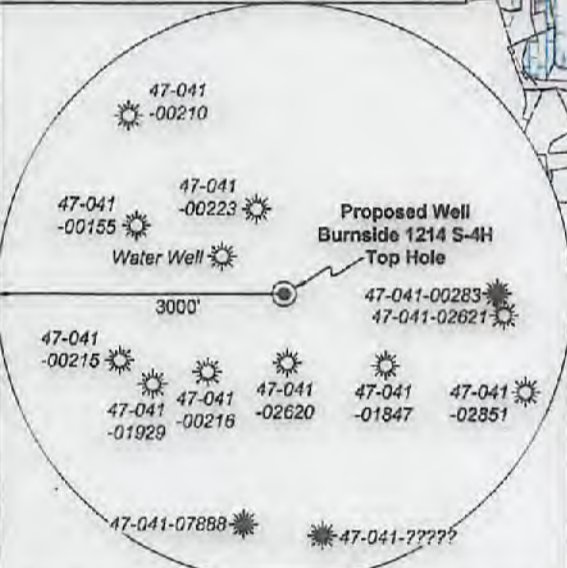
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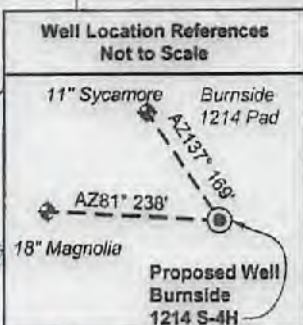
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Kevin S. James, P.S. 2305



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- Monument, as noted
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DEPARTMENT OF ENVIRONMENTAL PROTECTION
OIL AND GAS DIVISION

DATE: December 13 2021
OPERATOR'S WELL NO. Burnside 1214 S-4H
API WELL NO. 46A
47 - 041 - 05729
STATE COUNTY PERMIT

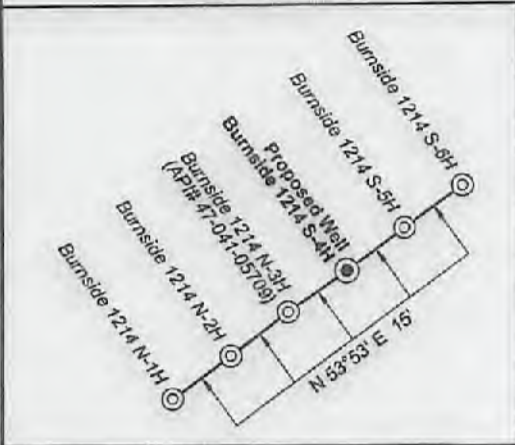
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LOCATION: ELEVATION: 1159.2' WATERSHED: Middle West Fork Creek
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ADDRESS: 5260 Dupont Road Parkersburg, WV 26101
DESIGNATED AGENT: Diane C. White
ADDRESS: 5260 Dupont Road Parkersburg, WV 26101

02/04/2022



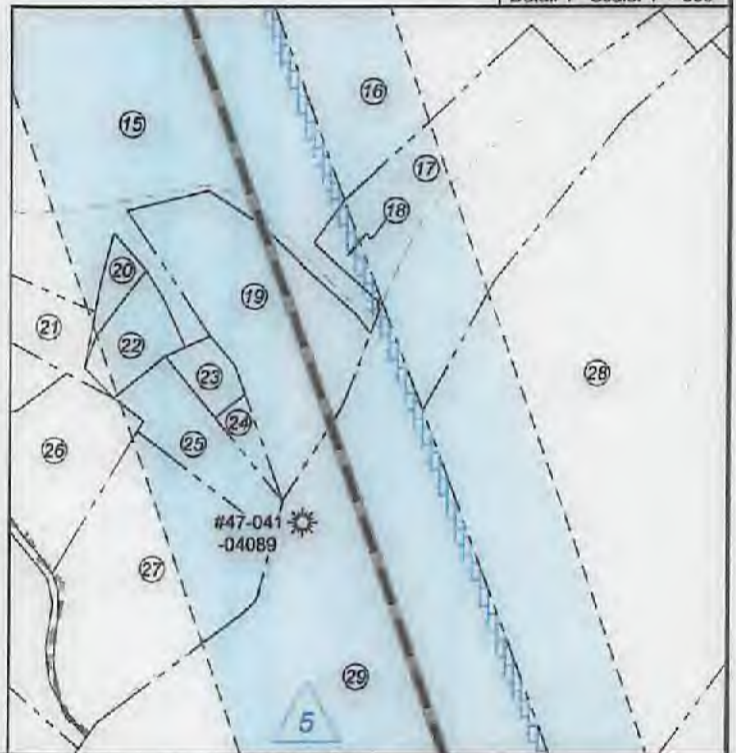
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Detail 1 - Scale: 1" = 500'



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

DATE: December 13 2021
OPERATOR'S WELL NO. Burnside 1214 S-4H
API WELL NO. HGA-
47 - 041 - 05729
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

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