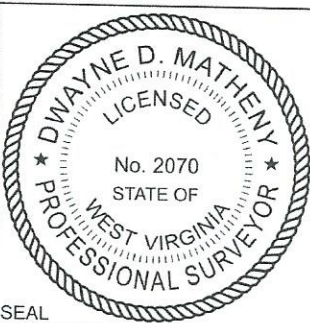
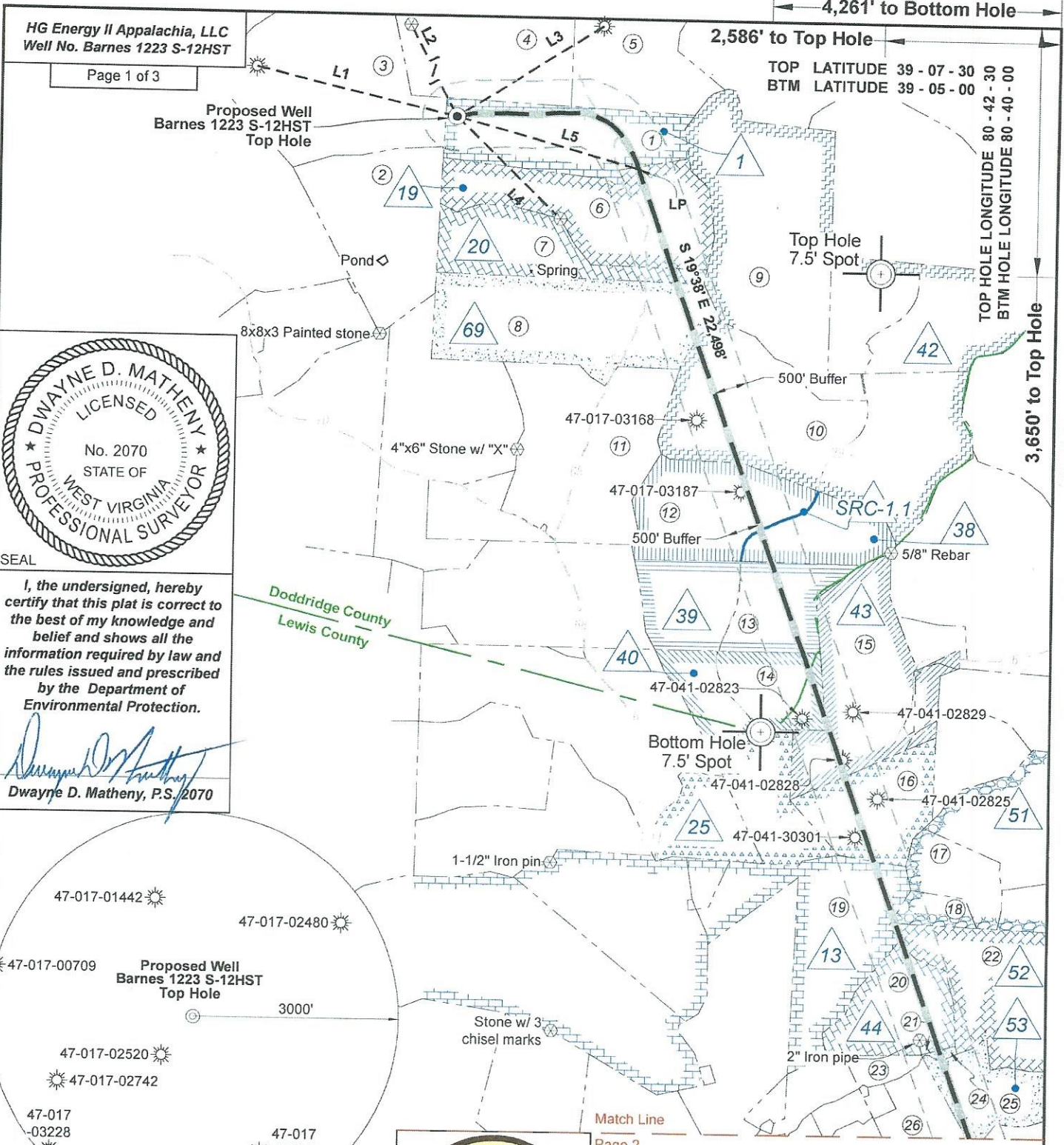
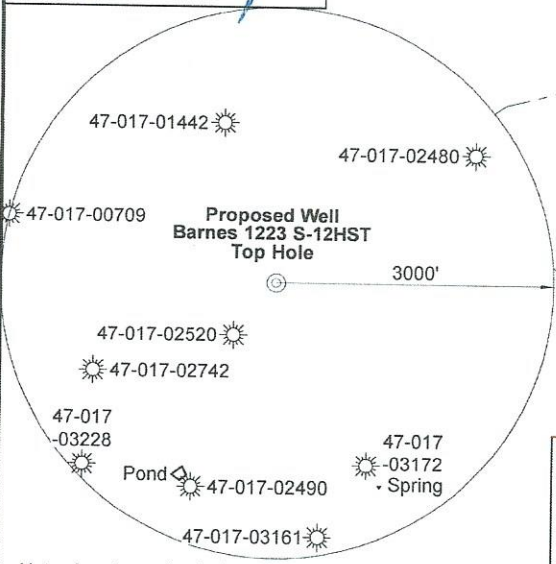


4701706969



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.

Dwayne D. Matheny
 Dwayne D. Matheny, P.S. 2070



Note: 0 water wells, 0 cistern, and 0 pond were 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.



Match Line Page 2

Tag	Bearing	Dist.	Description
L1	S 76°50' E	3,008.9'	47-017-00709
L2	S 27°25' E	2,292.4'	5/8" Rebar
L3	S 57°06' W	2,529.5'	47-041-02480
L4	N 46°14' W	2,128.9'	1/2" Rebar @ fence corner
L5	S 74°49' E	2,768.1'	Landing Point

FILE NO: 171-12-30-FC-22
 DRAWING NO: Barnes 1223 S-12HST 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 3, 2024
 OPERATOR'S WELL NO. Barnes 1223 S-12HST
 API WELL NO.
 47 - 017 - 06969
 STATE COUNTY PERMIT

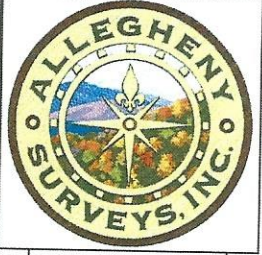
WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF GAS) PRODUCTION: STORAGE DEEP SHALLOW

LOCATION: ELEVATION: 1,330' WATERSHED: Fink Creek QUADRANGLE: Vadis
 DISTRICT: Cove COUNTY: Doddridge
 SURFACE OWNER: Marilyn Barnes, et al ACREAGE: 10/18/2024
 ROYALTY OWNER: Carolyn Rastle Bass, et al LEASE NO: ACREAGE: 123
 PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____ BH & LP MOD _____
 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 7,208' TVD 30,948' 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

4701706969

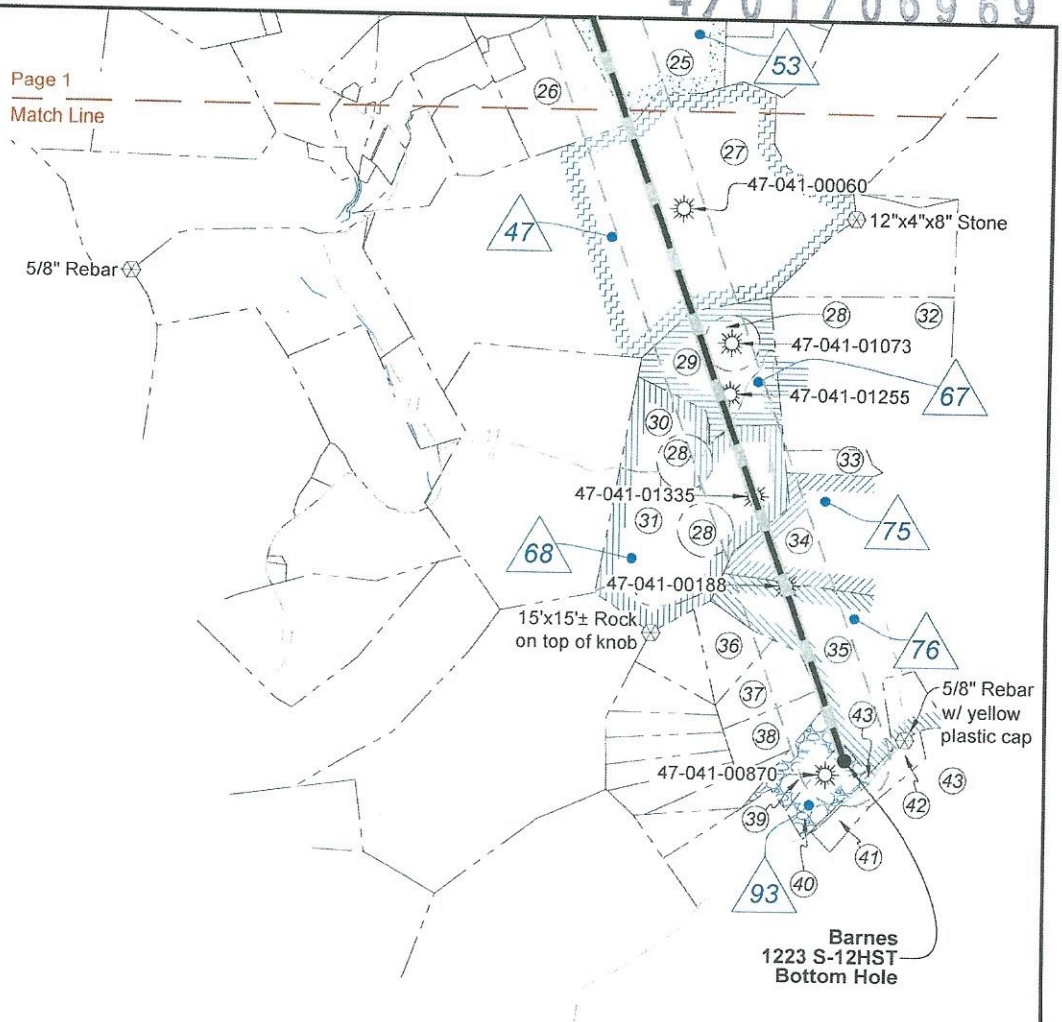
HG Energy II Appalachia, LLC
Well No. Barnes 1223 S-12HST



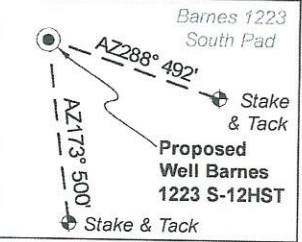
Page 2 of 3

Page 1
Match Line

5/8" Rebar

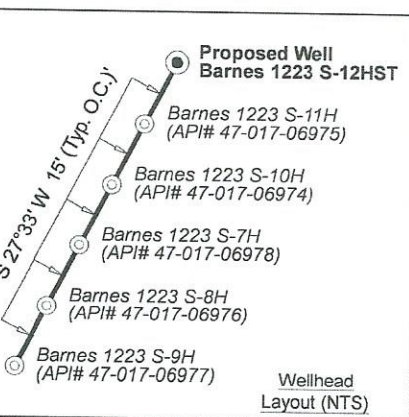


**Well Location References
Not to Scale**



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.)



<p>West Virginia Coordinate System of 1927, North Zone based upon Differential GPS Measurements.</p> <p>Notes: Well No. Van Wie 1223 S-12HST WVCS 1927, North Zone</p> <p>Top Hole Coordinates Lat: 39°06'53.92" Lon: 80°43'02.82"</p> <p>Landing Point Coordinates Lat: 39°06'46.67" Lon: 80°42'28.95"</p> <p>Bottom Hole Coordinates Lat: 39°03'16.99" Lon: 80°40'54.04"</p>	<p>UTM Zone 17, NAD 1983</p> <p>Plat orientation and corner and well references are based upon the grid north meridian. Well location references are based upon the magnetic meridian.</p> <p>Notes: Well No. Van Wie 1223 S-12HST UTM NAD 1983 (USSF)</p> <p>Top Hole Coordinates N: 14,204,642.59" E: 1,720,606.87"</p> <p>Landing Point Coordinates N: 14,203,917.82" E: 1,723,278.39"</p> <p>Bottom Hole Coordinates N: 14,182,737.55" E: 1,730,831.18"</p>	<p>Notes: Well No. Van Wie 1223 S-12HST UTM NAD 1983 (Meters)</p> <p>Top Hole Coordinates N: 4,329,583.721m E: 524,442.023m</p> <p>Landing Point Coordinates N: 4,329,362.810m E: 525,256.304m</p> <p>Bottom Hole Coordinates N: 4,322,907.051m E: 527,558.399m</p>
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STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OIL AND GAS DIVISION

DATE: October 3 2024
OPERATOR'S WELL NO. Barnes 1223 S-12HST
API WELL NO
47 - 017 - 06969
STATE COUNTY PERMIT

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

LOCATION: ELEVATION: 1,330' WATERSHED: Fink Creek QUADRANGLE: Yadis
DISTRICT: Cove COUNTY: Doddridge
SURFACE OWNER: Marilyn Barnes, et al ACREAGE: 10/18/2024
ROYALTY OWNER: Carolyn Rastle Bass, et al LEASE NO: _____ ACREAGE: 123

PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____ BH & LP MOD _____
 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 30,948' MD 7,208' 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

HG Energy II Appalachia, LLC
Well No. Barnes 1223 S-12HST



Doddridge Co. (Cove Dist.)				
No.	TM / Par	Owner	Bk / Pg	Ac.
1	10 / 16	Marilyn Barnes, et al	W28 / 552	76.10
2	9 / 27	Willard L. Fuller, III	215 / 149	89.00
3	9 / 20	Clyde W. Marsh, et al	W36 / 152	149.00
4	9 / 21	Carolyn R. Bass, et al	239 / 151	120.00
5	10 / 16.1	Richard E. Spracklen	A41 / 714	74.90
6	10 / 17	Marilyn Barnes, et al	W28 / 552	90.00
7	9 / 28	Maxine S. Rastle	A58 / 287	53.63
8	14 / 1	Maxine S. Rastle	A58 / 287	129.04
9	14 / 2	Miriam N. & Atiee Hershberger, Jr.	488 / 622	153.55
10	14 / 2.2	Michael E. Dayhoff	429 / 259	128.50
11	13 / 17	Maxine S. Rastle	A58 / 287	116.18
12	14 / 3	Keith A. Tatro	W56 / 172	101.37
13	14 / 4.1	James & Mary Donnelly	222 / 564	41.20
14	14 / 5.1	Allen Smith	514 / 134	35.46

Lewis Co. (Freemans Creek Dist.)				
No.	TM / Par	Owner	Bk / Pg	Ac.
15	1D / 11	Wayne N. Weiss	W65 / 637	89.24
16	1D / 14	Alice R. Taylor, et al	745 / 851	54.90
17	1D / 15	Dawn C. Lozina, et al	726 / 836	28.96
18	1D / 17	Dawn C. Lozina, et al	726 / 836	11.04
19	1D / 16	Maxine S. Cole Rastle	W55 / 570	99.40
20	1E / 51	Stephen C. Schertz	778 / 688	46.00
21	1E / 50	Mark H. Schulte	722 / 936	0.49
22	2E / 1	Dawn C. Lozina, et al	726 / 836	83.00
23	1E / 48	Stephen C. Schertz	778 / 688	8.60
24	1E / 52	Mark H. Schulte	722 / 936	1.19
25	1E / 53	Elton R. Ross	W20 / 443	36.00
26	1E / 54	Stephen C. Schertz	778 / 688	31.90
27	1E / 44	James R. Radcliff	595 / 26	231.00
28	2E / 22.3	David N. & Rebecca E. King	638 / 776	19.50
29	2E / 22.2	David N. & Rebecca E. King	638 / 776	20.00
30	2E / 22.6	David N. & Rebecca E. King	638 / 776	12.50
31	2E / 22	William M. & William B. Vavrek	642 / 361	58.62
32	2E / 18	David N. & Rebecca E. King	638 / 776	32.00
33	2E / 21	We-R-Farmers, LLC	753 / 303	5.00
34	2E / 23	We-R-Farmers, LLC	753 / 303	40.00
35	2F / 14.1	We-R-Farmers, LLC	753 / 303	55.00
36	2F / 2	John S. & Nancy J. Riley	327 / 244	10.50
37	2F / 3	John S. & Nancy J. Riley	546 / 70	12.00
38	2F / 9	Marites & Christian M. Spencer	781 / 167	10.50
39	2F / 12	Marites & Christian M. Spencer	781 / 167	8.50
40	2F / 13	Marites & Christian M. Spencer	781 / 167	8.50
41	2F / 17.1	John & Donna Ramzy	609 / 255	3.20
42	2F / 17.2	Joshua D. Hardbarger	698 / 822	5.86
43	2F / 17	William J. & Deborah J. Rogers	573 / 119	54.93

ID	Lease
1	Carolyn Rastle Bass, et al
13	William H. Hall & Mary E. Hall
19	Carolyn Rastle Bass, et al
20	Maxine Cole Rastle, et al
25	HG Energy II Appalachia, LLC
38	HG Energy II Appalachia, LLC
39	HG Energy II Appalachia, LLC
40	HG Energy II Appalachia, LLC
42	Leopold Krenn, et ux
43	HG Energy II Appalachia, LLC
44	G.C. Starcher, et al
47	Lydia Starcher, et al
51	HG Energy II Appalachia, LLC
52	Dollie Means, et al
53	N.N. Wiseman, et ux, et al
67	Dayna Laverne Smith, et al
68	Albert & Margaret Ralston, et al
69	Ivah R. Schmidt, et vir, et al
75	Moore H. & Emma H. Newlon, et al
76	James F. Carder, dba Jim's Oil & Gas
93	Dennis Scott Reese

SRC-1.1 State of West Virginia, Department of Highways

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