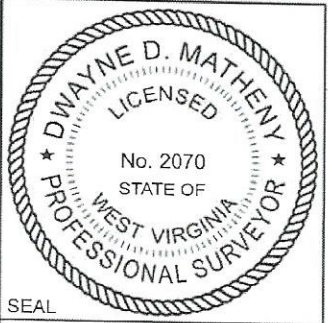


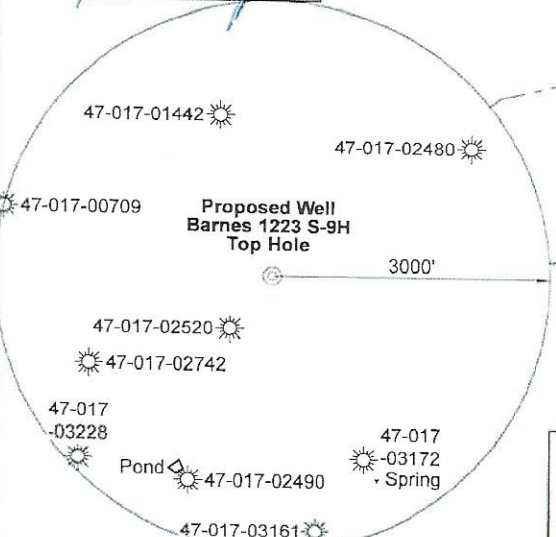
HG Energy II Appalachia, LLC  
Well No. Barnes 1223 S-9H MOD  
Page 1 of 3

TOP LATITUDE 39 - 07 - 30  
BTM LATITUDE 39 - 05 - 00  
TOP HOLE LONGITUDE 80 - 42 - 30  
BTM HOLE LONGITUDE 80 - 40 - 00

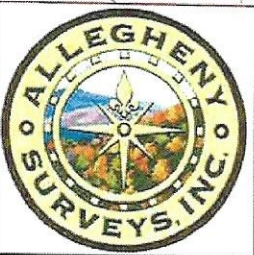


I, the undersigned, hereby certify that this plat is correct to the best of my knowledge and belief and shows all the information required by law and the rules issued and prescribed by the Department of Environmental Protection.

*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.



Tag	Bearing	Dist.	Description
L1	S 75°26' E	2,991.2'	47-017-00709
L2	S 25°54' E	2,336.2'	5/8" Rebar
L3	S 56°17' W	2,595.0'	47-041-02480
L4	N 48°11' W	2,109.2'	1/2" Rebar @ fence corner
L5	S 00°10' E	1,683.2'	Landing Point

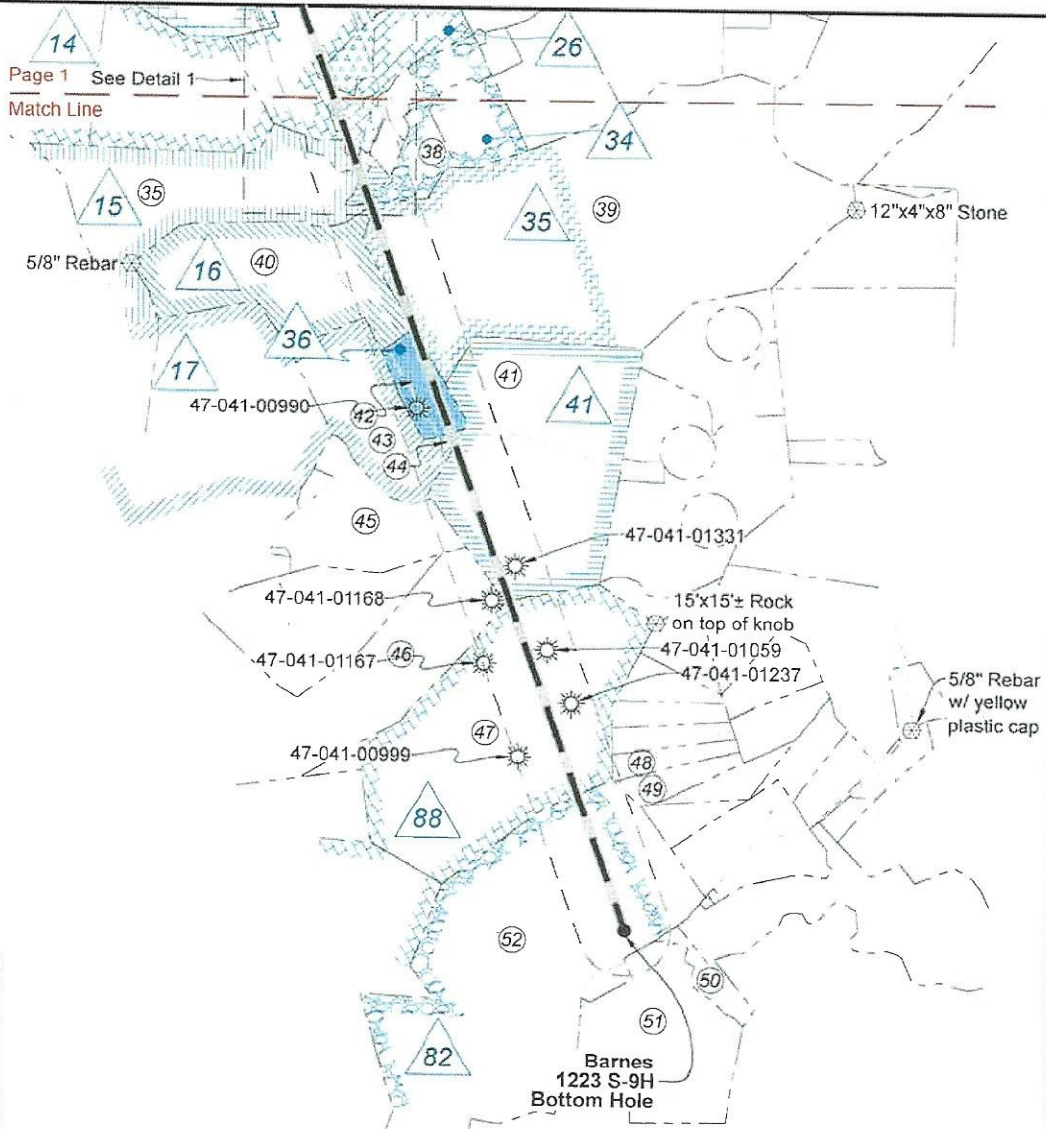
FILE NO: 171-12-30-FC-22  
DRAWING NO: Barnes 1223 S-9H Well Plat  
SCALE: 1" = 2000'  
MINIMUM DEGREE OF ACCURACY: Submeter  
PROVEN SOURCE OF ELEVATION: CORS, Bridgeport, WV

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

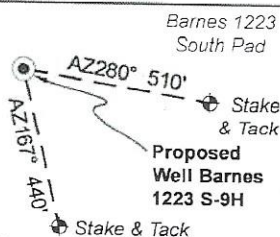
DATE: July 29 20 24  
OPERATOR'S WELL NO. Barnes 1223 S-9H  
API WELL NO  
47 - 017 - 06977  
STATE COUNTY PERMIT

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: 08/28/2024  
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: 7,210' TVD 31,355' 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

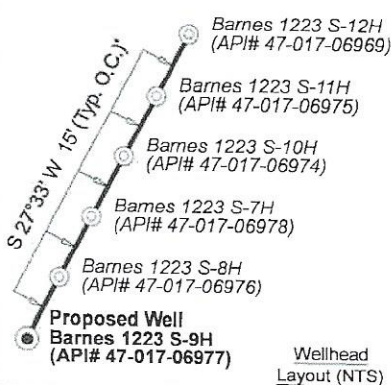


**Well Location References  
Not to Scale**



**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><b>West Virginia Coordinate System of 1927, North Zone</b> based upon Differential GPS Measurements.</p>	<p><b>UTM Zone 17, NAD 1983</b> 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><b>Notes: Well No. Van Wie 1223 S-9H WVCS 1927, North Zone</b> Top Hole Coordinates Lat: 39°06'53.26" Lon: 80°43'03.27" Landing Point Coordinates Lat: 39°06'36.62" Lon: 80°43'03.27" Bottom Hole Coordinates Lat: 39°02'57.31" Lon: 80°41'25.08"</p>	<p><b>Notes: Well No. Van Wie 1223 S-9H UTM NAD 1983 (USSF)</b> Top Hole Coordinates N: 14,204,576.12' E: 1,720,572.18' Landing Point Coordinates N: 14,202,892.93' E: 1,720,576.89' Bottom Hole Coordinates N: 14,180,739.51' E: 1,728,389.72'</p>	<p><b>Notes: Well No. Van Wie 1223 S-9H UTM NAD 1983 (Meters)</b> Top Hole Coordinates N: 4,329,563.461m E: 524,431.449m Landing Point Coordinates N: 4,329,050.423m E: 524,432.885m Bottom Hole Coordinates N: 4,322,298.047m E: 526,814.240m</p>

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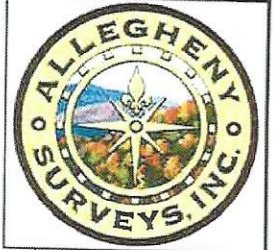
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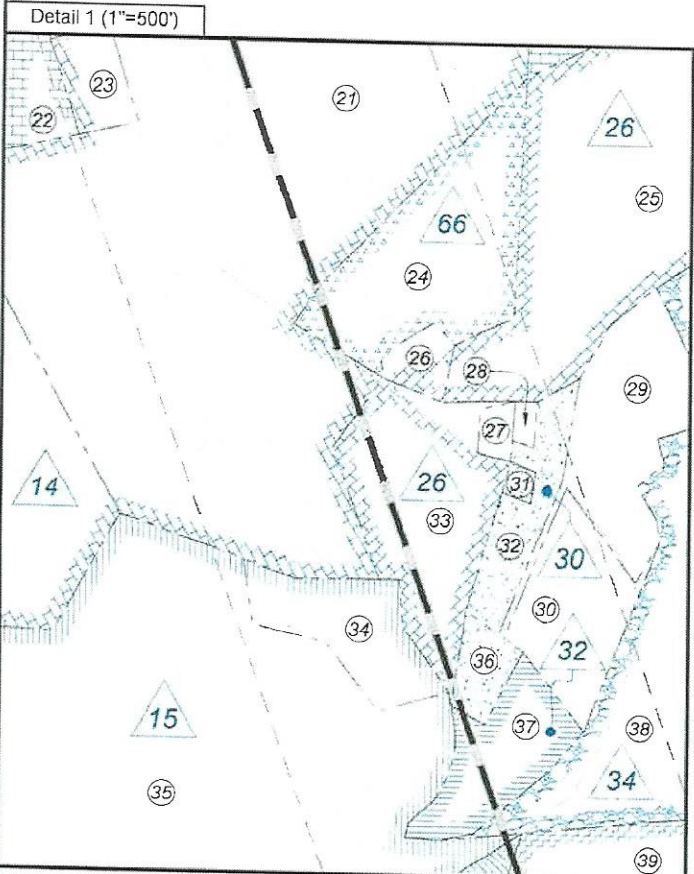
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ADDRESS: 5260 Dupont Road ADDRESS: 5260 Dupont Road  
Parkersburg, WV 26101 Parkersburg, WV 26101



ID	Lease
1	Carolyn Rastle Bass, et al
2	James L. Marsh, et al
3	Asset Management, LLC, et al
8	HG Energy II Appalachia, LLC
10	HG Energy II Appalachia, LLC
13	William H. Hall & Mary E. Hall
14	Frank Rastle, et ux, et al
15	HG Energy II Appalachia, LLC
16	C.A. & Jane Rohr
17	Susan Marie Fair, et al
19	Carolyn Rastle Bass, et al
20	Maxine Cole Rastle, et al
22	C. Spray, et al
23	H.C. Spray, et al
25	HG Energy II Appalachia, LLC
26	J.R. & Florence Hurst
30	A.J. Spray, et ux, et al
32	Bessie V. Cahill & Zora Startcher
34	Dollie Hardman, et vir, et al
35	C.W. Radcliff, et al
36	Mike Ross, Inc., et al
41	Lydia Startcher, et al
60	Helen Bunten Keplinger & Elaine Bunten Mines
66	Diane Goulet, et al
69	Ivah R. Schmidt, et vir, et al
82	Albert & Mary Crislip
88	Andrew Edmiston, Jr., et ux, et al
96	Panacea Energy, Inc., et al

Doddridge Co. (Cove Dist.)				
No.	TM / Par	Owner	Bk / Pg	Ac.
1	10 / 16	Marilyn Barnes, et al	W28 / 552	76.10
2	9 / 21	Carolyn R. Bass, et al	239 / 151	120.00
3	9 / 20	Clyde W. Marsh, et al	W36 / 152	149.00
4	9 / 27	Willard L. Fuller, III	215 / 149	89.00
5	10 / 17	Marilyn Barnes, et al	W28 / 552	90.00
6	9 / 28	Maxine S. Rastle	A58 / 287	53.63
7	14 / 1	Maxine S. Rastle	A58 / 287	129.04
8	13 / 17	Maxine S. Rastle	A58 / 287	116.18
9	13 / 16	Ralph T. Bunten, Jr., et al	224 / 79	114.76
10	13 / 16.1	Ralph T. Bunten, Jr., et al	224 / 79	26.90
11	13 / 17.1	Maxine S. Rastle	A58 / 287	0.13
12	13 / 18	Kevin M. Kearney	251 / 298	100.00
13	14 / 6	Gerald K. & Pamela S. Heater	225 / 18	1.28

Lewis Co. (Freemans Creek Dist.)				
No.	TM / Par	Owner	Bk / Pg	Ac.
14	1D / 5	Henry G & Sylvia Rastle	398 / 311	142.00
15	1D / 9	Yvonne R. Foster & Alice Taylor	745 / 851	32.60
16	1D / 6	Fonda W. Simmons Trust	629 / 66	83.00
17	1D / 7	Fonda W. Simmons Trust	629 / 66	100.10
18	1D / 8.1	Fonda W. Simmons Trust	629 / 66	1.40
19	1D / 8	Berkley T. & Judith E. Cook	617 / 195	6.00
20	1D / 16	Maxine S. Cole Rastle	W55 / 570	99.40
21	1E / 28	Thomas R. Riley, et al	577 / 553	96.80
22	1E / 12	Fonda W. Simmons Trust	629 / 66	197.25
23	1E / 28.1	Thomas R. Riley	544 / 394	1.00
24	1E / 27	Okey J. Smith	555 / 555	5.50
25	1E / 29	Robert E. & Ann M. White	403 / 690	16.73
26	1E / 26	M.L. Riley	230 / 197	0.48
27	1E / 34	Robert E. & Ann M. White	403 / 690	0.26
28	1E / 33	Cemetery Fink Creek	000 / 000	0.18
29	1E / 32	Danny C. & Rose M. Parker	563 / 692	3.70
30	1E / 38	Fonda W. Simmons Trust	629 / 66	2.70
31	1E / 36	Danny C. & Rose M. Parker	563 / 692	0.14
32	1E / 37	Danny C. & Rose M. Parker	563 / 692	1.60
33	1E / 25	Alfred M. & Shannon Cunningham	F32 / 126	4.84
34	1E / 15.1	Lee M. Reese & Karon L. de Silva	620 / 391	2.50
35	1E / 15	Lee M. Reese & Karon L. de Silva	620 / 391	63.38
36	1E / 24	Lee M. Reese & Karon L. de Silva	620 / 391	1.10
37	1E / 23	Fonda W. Simmons Trust	629 / 66	2.70
38	1E / 40	Richard Lenard	W44 / 285	10.78
39	1E / 44	James R. Radcliff	595 / 26	231.00
40	1E / 16	Rabiab & Joseph I. Schulte, Jr.	311 / 509	64.00
41	1E / 43	Danny C. & Timothy J. Kretzmer, et al	W13 / 195	113.00
42	1E / 41	Danny C. & Timothy J. Kretzmer, et al	W13 / 195	12.78
43	1E / 22	Michael T. Parker	784 / 409	37.06
44	1E / 42	Earl R. Oney	622 / 714	0.75
45	1E / 20	Michael T. Parker	784 / 409	35.48
46	1F / 25	Donzel W. & Betty J. Gum	776 / 943	96.70
47	1F / 52	Edwin A. Alfred	562 / 309	135.25
48	2F / 7	Hundred Resources Inc.	736 / 159	7.00
49	2F / 8	Hundred Resources Inc.	736 / 159	7.00
50	2F / 20.1	Stephen J. Scherer	591 / 84	4.00
51	2F / 22	Hundred Resources Inc.	731 / 469	50.25
52	1F / 53	WV Minerals Inc.	679 / 274	189.34



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08/23/2024