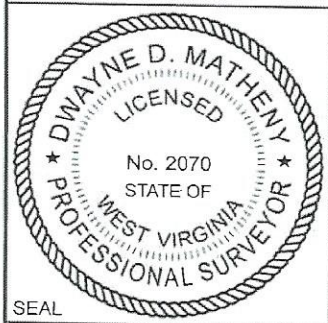


HG Energy II Appalachia, LLC
Well No. Barnes 1223 S-8H MOD
Page 1 of 3

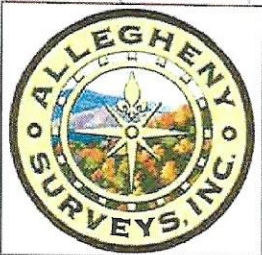


I, the undersigned, hereby certify that this plat is correct to the best of my knowledge and belief and shows all the information required by law and the rules issued and prescribed by the Department of Environmental Protection.

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°43' E	2,994.6'	47-017-00709
L2	S 26°12' E	2,327.3'	5/8" Rebar
L3	S 56°27' W	2,581.8'	47-041-02480
L4	N 47°47' W	2,113.0'	1/2" Rebar @ fence corner
L5	S 25°32' W	2,116.8'	Landing Point

FILE NO: 171-12-30-FC-22
DRAWING NO: Barnes 1223 S-8H 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

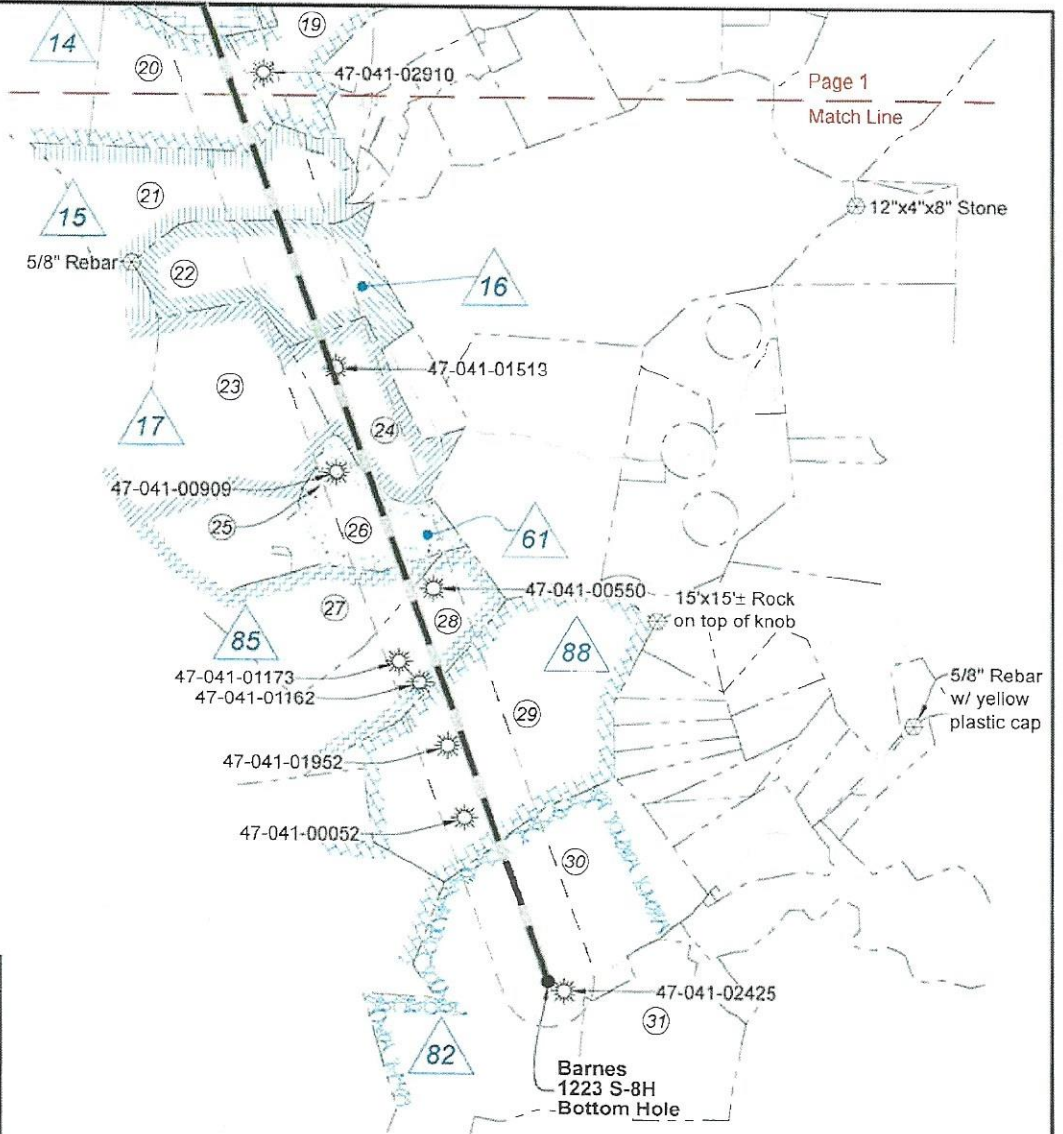
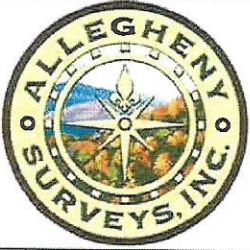
DATE: July 29 20 24
OPERATOR'S WELL NO. Barnes 1223 S-8H
API WELL NO
47 - 017 - 06976
STATE COUNTY PERMIT

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

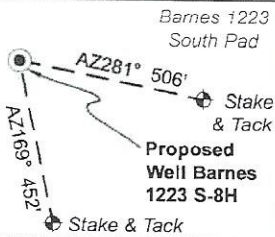
LOCATION: ELEVATION: 1,330' WATERSHED: Fink Creek QUADRANGLE: Vadis
DISTRICT: Cove COUNTY: Doddridge
SURFACE OWNER: Marilyn Barnes, et al ACREAGE: 08/28/2024
ROYALTY OWNER: Carolyn Rastle Bass, et al LEASE NO: ACREAGE: 123

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 7,220 TVD
 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 31,924' 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

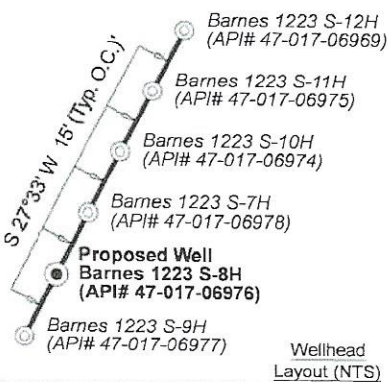


**Well Location References
Not to Scale**



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.)



West Virginia Coordinate System of 1927, North Zone based upon Differential GPS Measurements.	UTM Zone 17, NAD 1983 Plat orientation and corner and well references are based upon the grid north meridian. Well location references are based upon the magnetic meridian.	
Notes: Well No. Van Wie 1223 S-8H WVCS 1927, North Zone Top Hole Coordinates Lat: 39°06'53.39" Lon: 80°43'03.18" Landing Point Coordinates Lat: 39°06'33.64" Lon: 80°43'15.38" Bottom Hole Coordinates Lat: 39°02'51.54" Lon: 80°41'35.93"	Notes: Well No. Van Wie 1223 S-8H UTM NAD 1983 (USSF) Top Hole Coordinates N: 14,204,589.41' E: 1,720,579.12' Landing Point Coordinates N: 14,202,589.06' E: 1,719,623.70' Bottom Hole Coordinates N: 14,180,152.83' E: 1,727,536.27'	Notes: Well No. Van Wie 1223 S-8H UTM NAD 1983 (Meters) Top Hole Coordinates N: 4,329,567.511m E: 524,433.565m Landing Point Coordinates N: 4,328,957.803m E: 524,142.352m Bottom Hole Coordinates N: 4,322,119.227m E: 526,554.108m

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STATE OF WEST VIRGINIA
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OIL AND GAS DIVISION

DATE: July 29 20 24
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API WELL NO
47 — 017 — 06976
STATE COUNTY PERMIT

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(IF GAS) PRODUCTION: STORAGE DEEP SHALLOW

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DISTRICT: Cove COUNTY: Doddridge
SURFACE OWNER: Marilyn Barnes, et al ACREAGE: 123
ROYALTY OWNER: Carolyn Rastle Bass, et al LEASE NO: _____

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 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 31,924' MD 7,220' 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

08/29/2024



ID	Lease
1	Carolyn Rastle Bass, et al
2	James L. Marsh, et al
3	Asset Management, LLC, et al
7	Martin Dwight Hall
8	HG Energy II Appalachia, LLC
10	HG Energy II Appalachia, LLC
11	HG Energy II Appalachia, LLC
12	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
60	Helen Bunten Keplinger & Elaine Bunten Mines
61	Susan Marie Fair, et al
82	Albert & Mary Crislip
85	Lora D. Ireland, et al
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	13 / 15.2	Diana H. Frank	W38 / 439	43.47
6	14 / 1	Maxine S. Rastle	A58 / 287	129.04
7	13 / 16	Ralph T. Bunten, Jr., et al	224 / 79	114.76
8	13 / 11	Yvonne Foster	W40 / 419	147.64
9	13 / 16.1	Ralph T. Bunten, Jr., et al	224 / 79	26.90
10	13 / 17	Maxine S. Rastle	A58 / 287	116.18
11	13 / 18	Kevin M. Kearney	251 / 298	100.00
12	14 / 6	Gerald K. & Pamela S. Heater	225 / 18	1.28
13	10 / 17	Marilyn Barnes, et al	W28 / 552	90.00

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 / 4	Fonda W. Simmons Trust	629 / 66	64.00
16	1D / 6	Fonda W. Simmons Trust	629 / 66	83.00
17	1D / 7	Fonda W. Simmons Trust	629 / 66	100.10
18	1E / 12	Fonda W. Simmons Trust	629 / 66	197.25
19	1E / 28	Thomas R. Riley, et al	577 / 553	96.80
20	1E / 14	Thomas E. Rastle	128 / 584	51.25
21	1E / 15	Lee M. Reese & Karon L. de Silva	620 / 391	63.38
22	1E / 16	Rabiab & Joseph I. Schulte, Jr.	311 / 509	64.00
23	1E / 17	Michael L. & Gwen Halliday	459 / 719	114.00
24	1E / 22	Michael T. Parker	784 / 409	37.06
25	1E / 21	Michael L. & Gwen Halliday	459 / 719	1.72
26	1E / 20	Michael T. Parker	784 / 409	35.48
27	1F / 24	James R. Ireland & Kathryn A. Ireland	705 / 627	96.60
28	1F / 25	Donzel W. & Betty J. Gum	776 / 943	96.70
29	1F / 52	Edwin A. Alfred	562 / 309	135.25
30	1F / 53	WV Minerals Inc.	679 / 274	189.34
31	2F / 22	Hundred Resources Inc.	731 / 469	50.25

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