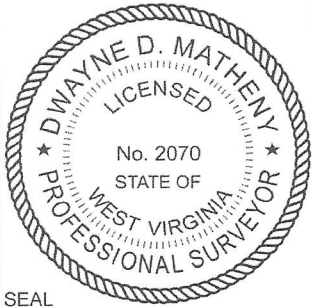
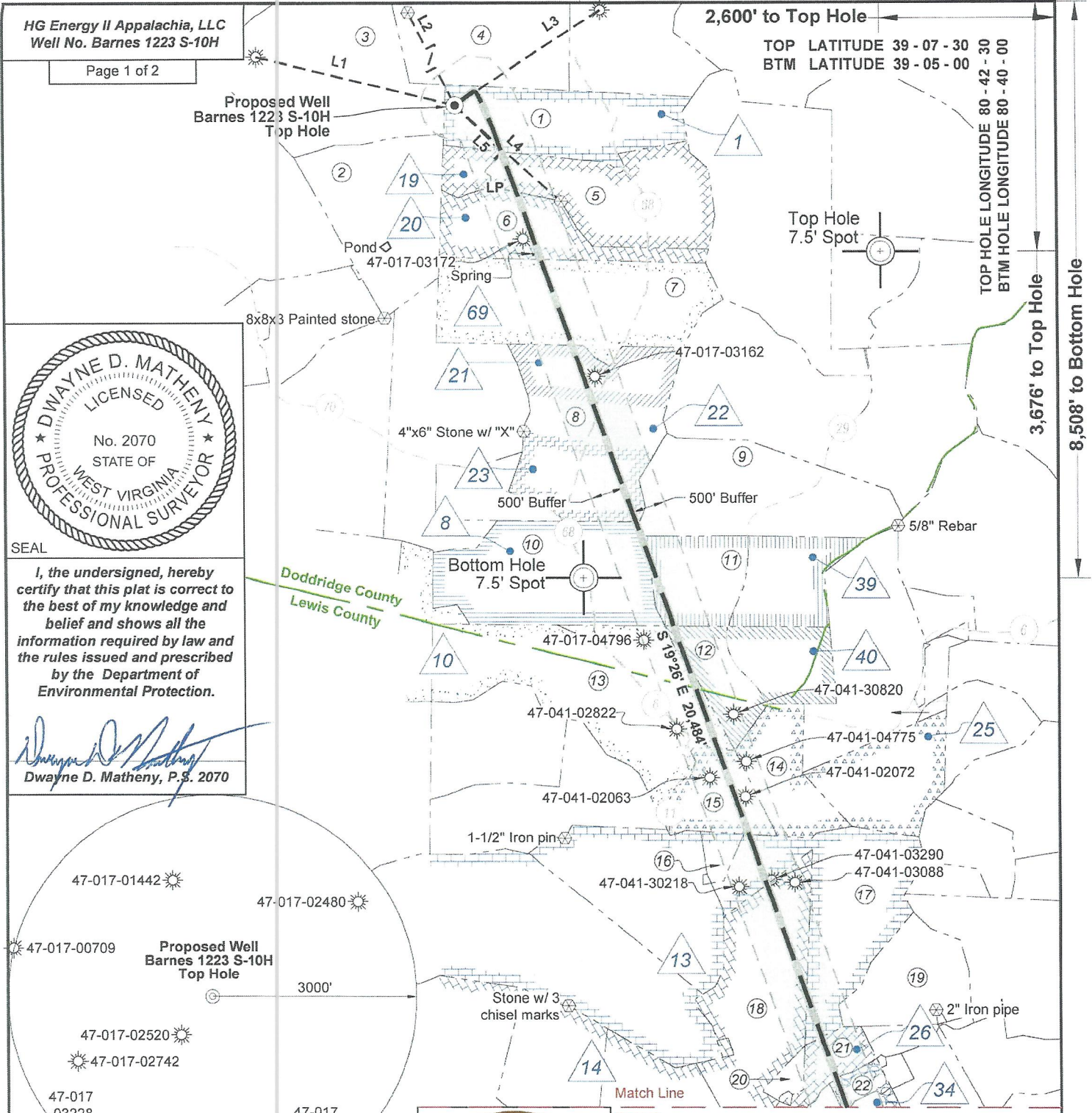
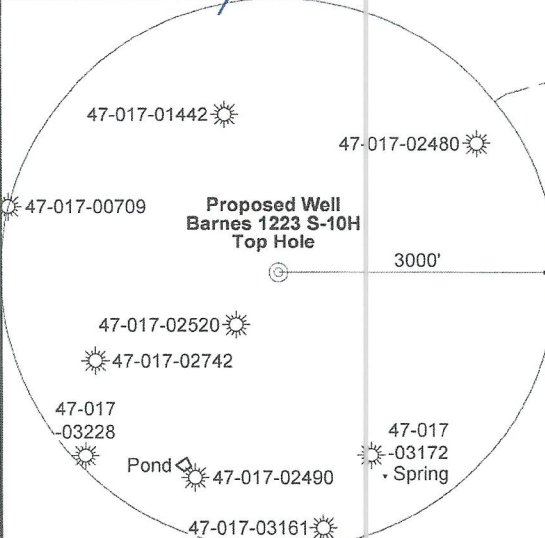


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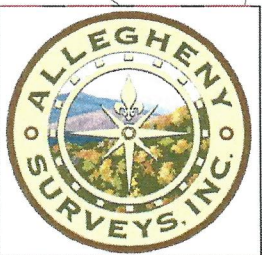


I, the undersigned, hereby certify that this plat is correct to the best of my knowledge and belief and shows all the information required by law and the rules issued and prescribed by the Department of Environmental Protection.

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 76°16' E	3,001.6'	47-017-00709
L2	S 26°48' E	2,309.7'	5/8" Rebar
L3	S 56°46' W	2,555.6'	47-017-02480
L4	N 47°00' W	2,120.7'	1/2" Rebar @ fence corner
L5	S 45°11' E	947.6'	Landing Point

FILE NO: 171-12-30-FC-22
DRAWING NO: Barnes 1223 S-10H 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: April 10 2024
OPERATOR'S WELL NO. Barnes 1223 S-10H
API WELL NO
47 - 017 - 06974 H6A
STATE COUNTY PERMIT

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

LOCATION: ELEVATION: 1,329' WATERSHED: Fink Creek QUADRANGLE: Vadis
DISTRICT: Cove COUNTY: Doddridge
SURFACE OWNER: Marilyn Barnes, et al ACREAGE: 123
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) _____ 7,155' TVD
 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 28,200' MD

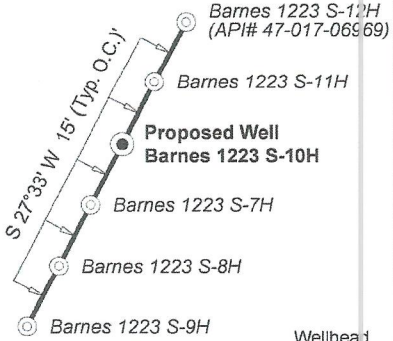
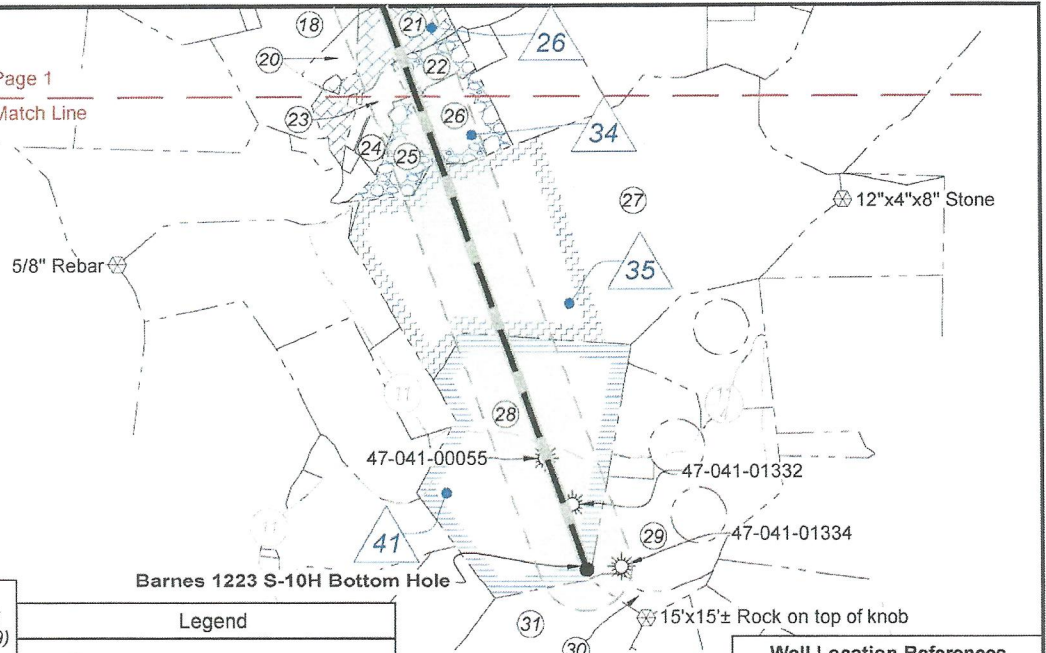
WELL OPERATOR: HG Energy II Appalachia, LLC DESIGNATED AGENT: Diane C. White
ADDRESS: 5260 Dupont Road ADDRESS: 5260 Dupont Road
Parkersburg, WV 26101 Parkersburg, WV 26101

HG Energy II Appalachia, LLC
Well No. Barnes 1223 S-10H

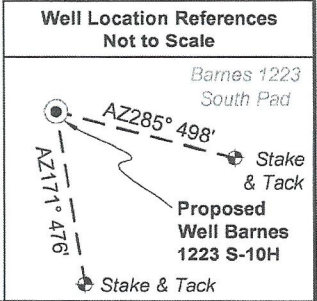


Page 2 of 2

Page 1
Match Line



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.)



ID	Lease
1	Carolyn Rastle Bass, 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
19	Carolyn Rastle Bass, et al
20	Maxine Cole Rastle, et al
21	Myrtle M. Spray, et al
22	Florence I. Chapman et al
23	H.C. Spray, et al
25	HG Energy II Appalachia, LLC
26	J.R. & Florence Hurst
34	Dollie Hardman, et vir et al
35	C.W. Radcliff, et al
39	HG Energy II Appalachia, LLC
40	HG Energy II Appalachia, LLC
41	Lydia Startcher, et al
69	Ivah R. Schmidt, et vir, 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 / 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 / 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	14 / 3	Keith A. Tatro	W56 / 172	101.37
10	13 / 18	Kevin M. Kearner	251 / 298	100.00
11	14 / 4	Kevin M. Kearney	266 / 410	44.30
12	14 / 5	William & Susan Carlson	216 / 99	29.39

Lewis Co. (Freemans Creek Dist.)				
No.	TM / Par	Owner	Bk / Pg	Ac.
13	1D / 5	Henry G & Sylvia Rastle	398 / 311	142.00
14	1D / 10	Yvonne R. Foster & Alice Taylor	745 / 851	41.30
15	1D / 9	Yvonne R. Foster & Alice Taylor	745 / 851	32.60
16	1D / 8	Berkley T. & Judith E. Cook	617 / 195	6.00
17	1D / 16	Maxine S. Cole Rastle	W55 / 570	99.40
18	1E / 28	Thomas R. Riley, et al	577 / 553	96.80
19	1E / 51	Stephen C. Schertz	778 / 688	46.00
20	1E / 27	Okey J. Smith	569 / 491	5.50
21	1E / 29	Robert E. & Ann M. White	403 / 690	16.73
22	1E / 40.1	Joseph W. & Elizabeth A. Crofford	543 / 168	9.50
23	1E / 32	Danny C. & Rose M. Parker	563 / 692	3.70
24	1E / 38	Fonda W. Simmons Trust	629 / 66	2.70
25	1E / 40	Patricia Hathaway & Peter Lenard	W62 / 888	10.78
26	1E / 45	Patricia Hathaway & Peter Lenard	W62 / 888	16.78
27	1E / 44	James R. Radcliff	595 / 26	231.00
28	1E / 43	Danny C. & Timothy J. Kretzmer, et al	W13 / 195	113.00
29	2E / 22	William M. & William B. Vavrek	642 / 361	58.62
30	2F / 110	Michael Stefano	684 / 230	5.81
31	1F / 52	Edwin A. Alfred	562 / 309	135.25

Notes: Well No. Barnes 1223 S-10H West Virginia Coordinate System of 1927, North Zone based upon Differential GPS Measurements.
Top Hole coordinates Bottom Hole coordinates
Latitude: 39°06'53.66" Latitude: 39°03'35.88"
Longitude: 80°43'03.00" Longitude: 80°41'28.90"
UTM Zone 17, NAD 1983
Top Hole Coordinates Bottom Hole Coordinates
N: 4,329,575.616m N: 4,323,486.407m
E: 524,437.795m E: 526,718.344m
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. Barnes 1223 S-10H UTM NAD 1983 (USSF)
Top Hole Coordinates
N: 14,204,616.00'
E: 1,720,593.00'
Landing Point Coordinates
N: 14,203,948.08'
E: 1,721,265.14'
Bottom Hole Coordinates
N: 14,184,638.32'
E: 1,728,075.10'

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