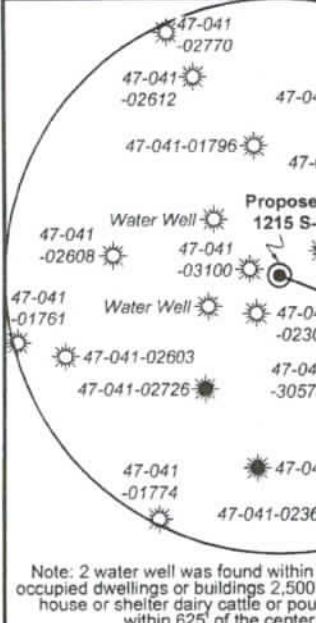


HG Energy II Appalachia, LLC  
Well No. Vaneck 1215 S-11H MOD

Page 1 of 4

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



RECEIVED  
Office of Oil and Gas  
JUN 07 2023  
WV Department of Environmental Protection

FILE NO: 156-36-UFC-20  
DRAWING NO: Vaneck 1215 S-11H 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: May 31 2023  
OPERATOR'S WELL NO. Vaneck 1215 S-11H  
API WELL NO  
47 - 041 - 05741  
STATE COUNTY PERMIT

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

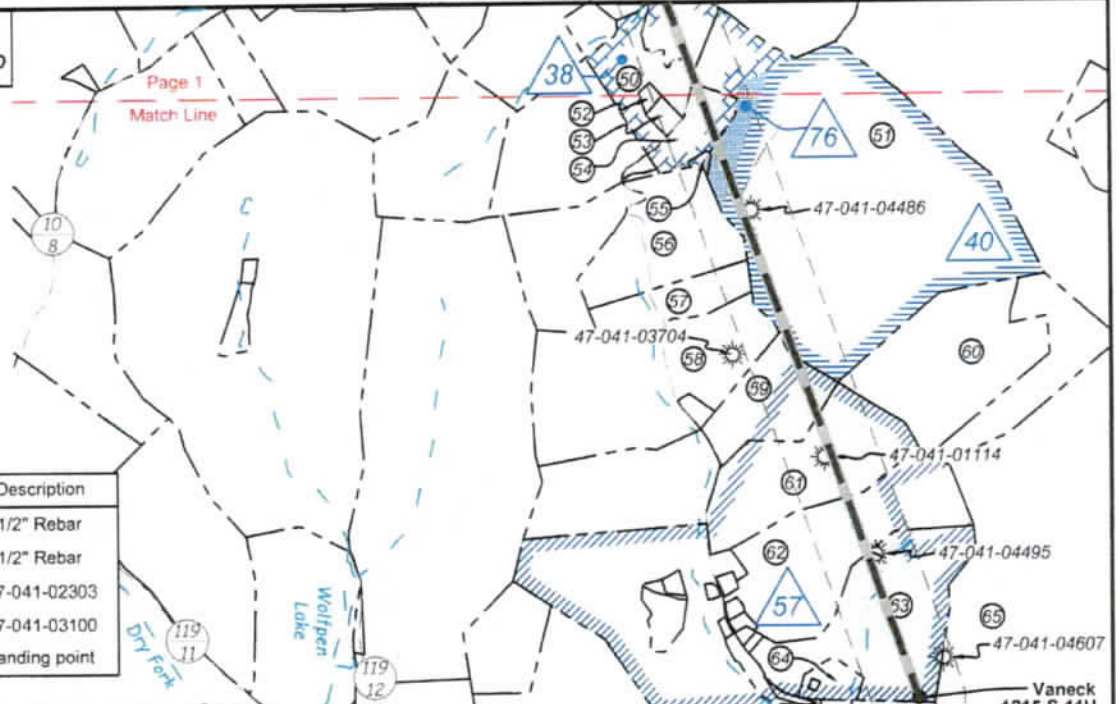
LOCATION: ELEVATION: 1254.8' WATERSHED: Middle West Fork Creek QUADRANGLE: Camden  
DISTRICT: Freemans Creek COUNTY: Lewis  
SURFACE OWNER: HG Energy II, Appalachia, LLC, et al ACREAGE: 55.00  
ROYALTY OWNER: George W. Waggoner, et ux, et al LEASE NO: ACREAGE: 56.00

PROPOSED WORK:  DRILL  CONVERT  DRILL DEEPER  FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION  
 PERFORATE NEW FORMATION  OTHER PHYSICAL CHANGE IN WELL (SPECIFY) BH-MOD 7,043' TVD  
 PLUG AND ABANDON  CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 31,950' 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

06/30/2023



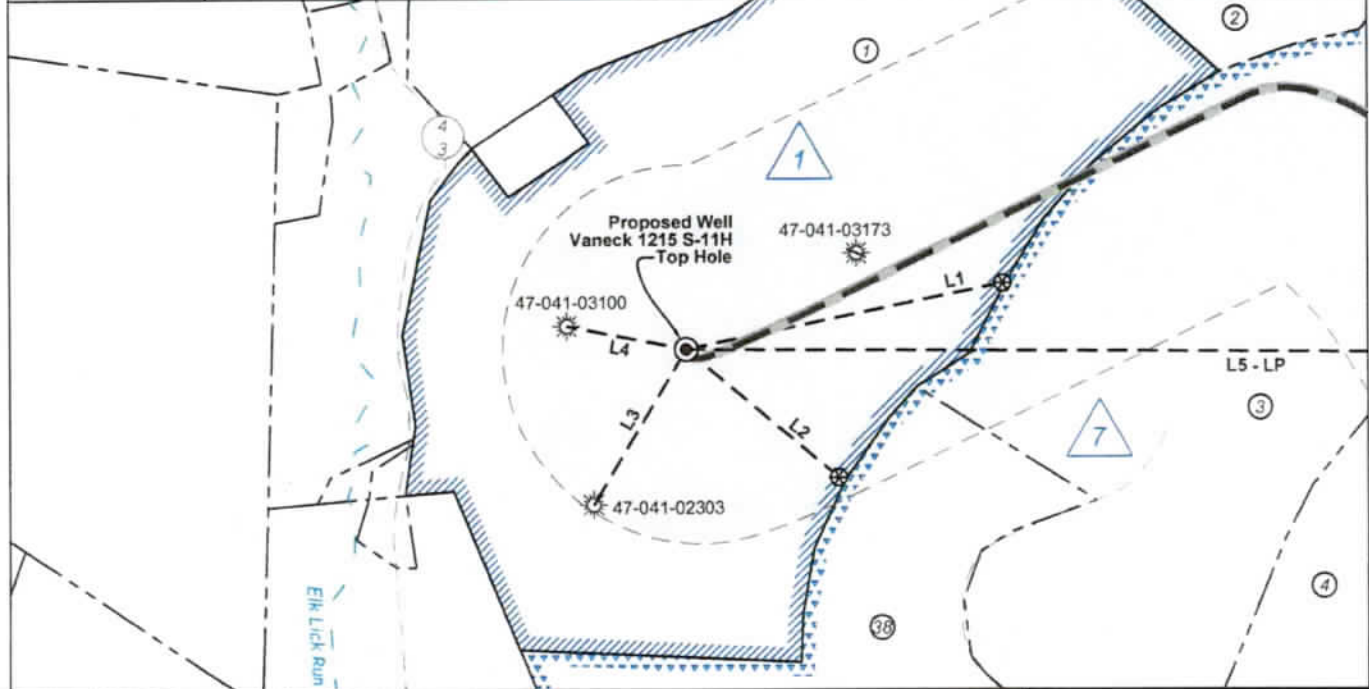


Tag	Bearing	Dist.	Description
L1	S 78°20' W	879.8'	1/2" Rebar
L2	N 50°07' W	539.9'	1/2" Rebar
L3	N 31°01' E	488.7'	47-041-02303
L4	S 79°00' E	330.6'	47-041-03100
L5	S 89°38' E	2,355.0'	Landing point

**Notes:** Well No. Vaneck 1215 S-11H  
West Virginia Coordinate System of 1927, North Zone  
based upon Differential GPS Measurements.  
Top Hole coordinates    Bottom Hole coordinates  
Latitude: 39°06'58.78"    Latitude: 39°03'16.98"  
Longitude: 80°32'55.17"    Longitude: 80°30'43.24"  
UTM Zone 17, NAD 1983  
Top Hole Coordinates    Bottom Hole Coordinates  
N: 4,329,792.985m    N: 4,322,972.367m  
E: 539,034.303m    E: 542,239.455m  
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. Vaneck 1215 S-11H  
UTM NAD 1983 (USSF)  
Top Hole Coordinates  
N: 14,205,329.15'  
E: 1,768,481.71'  
Landing Point Coordinates  
N: 14,205,314.16'  
E: 1,770,836.64'  
Deflection Point Coordinates  
N: 14,196,065.52'  
E: 1,774,289.56'  
Bottom Hole Coordinates  
N: 14,182,951.84'  
E: 1,778,997.28'

Detail 1 (1"=500')



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DRAWING NO: Vaneck 1215 S-11H Well Plat  
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Submeter  
PROVEN SOURCE OF ELEVATION:  
CORS, Bridgeport, WV

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

RECEIVED  
Office of Oil and Gas  
May 31 2023  
OPERATOR'S WELL NO. Vaneck 1215 S-11H  
API WELL NO  
47-041-05741  
COUNTY PERMIT

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

LOCATION: ELEVATION: 1254.8'    WATERSHED: Middle West Fork Creek    QUADRANGLE: Camden  
DISTRICT: Freemans Creek    COUNTY: Lewis  
SURFACE OWNER: HG Energy II, Appalachia, LLC, et al    ACREAGE: 55.00  
ROYALTY OWNER: George W. Waggoner, et ux, et al    LEASE NO:    ACREAGE: 56.00

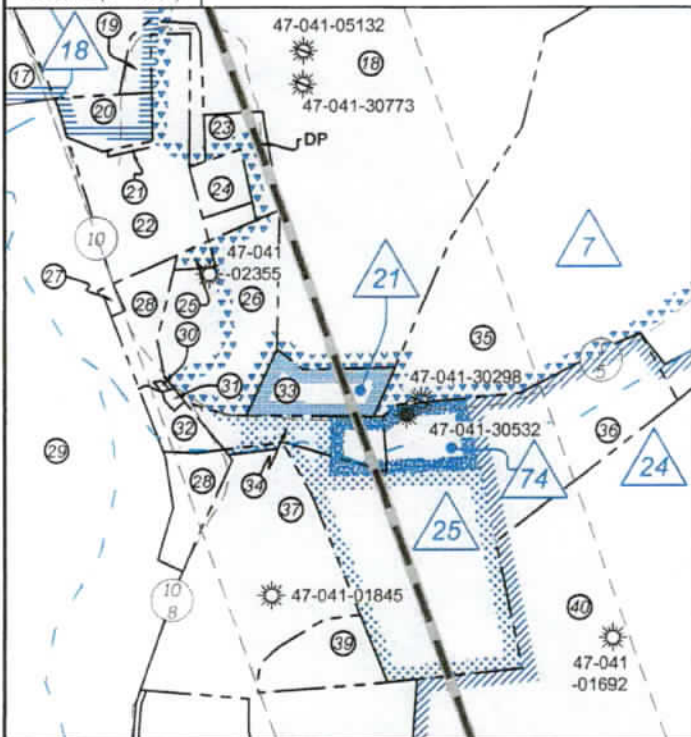
PROPOSED WORK:  DRILL     CONVERT     DRILL DEEPER     FRACTURE OR STIMULATE     PLUG OFF OLD FORMATION  
 PERFORATE NEW FORMATION     OTHER PHYSICAL CHANGE IN WELL (SPECIFY) BH-MOD    7,043' TVD  
 PLUG AND ABANDON     CLEAN OUT AND REPLUG    TARGET FORMATION: Marcellus Shale    ESTIMATED DEPTH: 31,950' 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

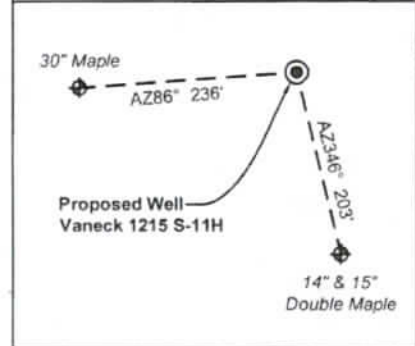
06/30/2023



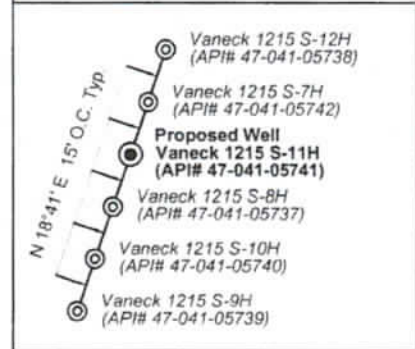
Detail 2 (1"=500')



Well Location References (NTS)



Wellhead Layout (NTS)



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.)
- Other surface tracts (approx.)

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WV Department of Environmental Protection

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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: May 31 2023  
OPERATOR'S WELL NO. Vaneck 1215 S-11H  
API WELL NO  
47 - 041 - 05741  
STATE COUNTY PERMIT

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

LOCATION: ELEVATION: 1254.8' WATERSHED: Middle West Fork Creek

QUADRANGLE: Camden

DISTRICT: Freemans Creek

COUNTY: Lewis

SURFACE OWNER: HG Energy II, Appalachia, LLC, et al

ACREAGE: 55.80

ROYALTY OWNER: George W. Waggoner, et ux, et al

ACREAGE: 56.00

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Parkersburg, WV 26101

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

06/30/2023





Lewis Co. - Freeman Creek Dist.				
No.	TM / Par	Owner	Bk / Pg	Ac.
1	5C / 29	H.G. Energy II Appalachia, LLC	765 / 894	55.00
2	5C / 30	Woody Lumber Co. Inc.	590 / 438	140.50
3	5C / 27.2	Jack E. & Cerilda M. Waggoner	547 / 691	57.97
4	5C / 22	Linda Lou Waggoner	W33 / 157	57.76
5	5C / 39	Phillip E. Burnside, et al	666 / 503	47.00
6	5C / 22.1	Janet L. & Joseph C. Waggoner, Sr.	705 / 183	57.53
7	5C / 45	Phillip E. Burnside, et al	666 / 503	121.42
8	5C / 46	John K. Burnside, et al	W1 / 393	60.00
9	5D / 35	Edward E. Garrett, et al	429 / 245	130.47
10	5D / 60.13	Richard B. & Erica S. Messenger	577 / 212	23.96
11	5D / 36.1	Clifford B. Messenger	625 / 166	5.00
12	5D / 60.1	Michael & Julie Lough	750 / 243	2.02
13	5D / 36.2	Clifford B. Messenger	625 / 166	27.32
14	5D / 36	Carroll G. Gum, et al	625 / 343	9.71
15	5D / 37	Michael & Melissa Lattea	F32 / 55	13.86
16	5D / 38	Marsha Boggs	W8 / 308	18.82
17	5D / 39.3	Janice W. Sundstrom	W41 / 517	35.09
18	5D / 39	John M. & Diana L. Garrett	701 / 658	41.92
19	5D / 40	United Brethern Church Cemetery	219 / 27	1.00
20	5D / 41	Freemansburg U.M. Church	20 / 104	0.90
21	5D / 42	Freemansburg U.M. Church	5 / 216	0.05
22	5D / 56	Freemans Creek Baptist Church	- / -	0.90
23	5D / 39.1	L.L. Kemper (Cemetery)	284 / 287	1.50
24	5D / 44	Freemans Creek Baptist Church	28 / 337	1.00
25	5D / 43	Perry & Grace Waggoner	616 / 250	0.75
26	5D / 45	Perry & Grace Waggoner	616 / 250	2.45
27	5D / 46	Edward E. Garrett, et al	429 / 245	0.07
28	5D / 49	Edward E. Garrett	WB R / 498	1.50
29	5D / 32	Burce Garrett, et al	577 / 351	100.60
30	5D / 55	Harvey A. Hall Estate	F31 / 109	0.02
31	5D / 66	Donald Smith & William Self, Sr.	760 / 898	0.06
32	5D / 47	John P. & Betty L. Rowan	640 / 15	0.50
33	5D / 39.2	Timothy R. & Alicia L. Beer	601 / 673	1.25
34	5D / 48	Edward E. Garrett	553 / 382	1.00
35	5D / 57	John T. Garrett, et al	728 / 296	28.70
36	5D / 54	Edward E. Garrett	W7 / 578	10.50
37	5D / 51	Michael & Glodell Morris	621 / 412	13.55
38	5C / 25	Raymond C. & Colona J. Waggoner	567 / 416	45.48
39	5D / 51.3	Amanda & William Rowan	726 / 69	1.11
40	6D / 10	Sue E. Hall & Alice J. Fisher	583 / 439	252.44
41	5D / 51.2	Samuel T. & Julia A. Grant	723 / 600	2.28
42	5E / 43	KAIA	721 / 683	58.22
43	5E / 40	Paul J. & Sheila K. Slater	783 / 560	38.00
44	5E / 44	Jacob E. Cogar	745 / 775	1.89
45	6E / 1.8	Patricia A. & Joel S. Harris	721 / 670	4.95
46	5E / 42	Bruce S. Kimmel, et al	778 / 516	1.62
47	6E / 1.5	Diane Mosey	714 / 772	2.00
48	6E / 1.7	Patricia A. & Joel S. Harris	721 / 670	61.20
49	6E / 2	Sand Hill Land Ventures, LP	777 / 873	8.12
50	5E / 37	James E. & Edith A. Browning	486 / 387	17.88
51	6E / 4	Sand Hill Land Ventures, LP	777 / 873	171.06
52	5E / 36	Carolyn Jeffries, et al	753 / 917	1.00
53	5E / 35	Carolyn Jeffries, et al	753 / 917	2.00
54	6E / 3	Sand Hill Land Ventures, LP	777 / 873	9.36
55	6E / 3.1	Sand Hill Land Ventures, LP	777 / 873	0.64
56	6E / 5	Sandra Dodd & William Collins	438 / 339	30.91
57	6E / 5.1	Allen D. Marple	W10 / 258	15.34
58	5E / 32	Allen D. Marple	W47 / 451	67.55
59	6E / 43	Gary L. Wnghi	767 / 622	22.82
60	6E / 10	Sand Hill Land Ventures, LP	777 / 873	51.75
61	6E / 7	Gerald R. Wright	388 / 322	50.67
62	6F / 1.2	Roger L. & LaDonna F. Sprouse	323 / 649	53.86
63	6F / 34	Kevin & Janet Mullooly	551 / 36	52.27
64	6F / 5.1	Chasidy D. & William D. Murray	729 / 828	4.81
65	6F / 35	Roger D. Clem, Jr.	577 / 558	63.90
66	6F / 33.4	Bobby L. Jones	713 / 59	11.48

RECEIVED  
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JUN 07 2023  
WV Department of  
Environmental Protection

ID	Lease
1	George W. Waggoner, et ux
7	F. White
9	J.A. Burnside, et ux
16	Clark White, et ux
18	J. Belle Snyder, et al
21	Elaine Lovett Cox
24	S.A. Hall, et ux, et al
25	Al B. Miller
32	Madge Fultiner, et al
36	H.G. Energy II Appalachia, LLC
38	Simeon A. Hall, Jr., et ux
40	R.H. Hall, et ux
57	M.M. Peterson, et ux
74	Donald R. Reynolds
76	Franklin Maxwell Heirs Limited Partnership I

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