

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

Page 1 of 3

Proposed Well
Vaneck 1215 S-11H
Top Hole

Detail 1

TOP LATITUDE 39 - 07 - 30
BTM LATITUDE 39 - 07 - 30

TOP LONGITUDE 80 - 32 - 30
BTM LONGITUDE 80 - 30 - 00

Top Hole
7.5' Spot

3,157' to Top Hole

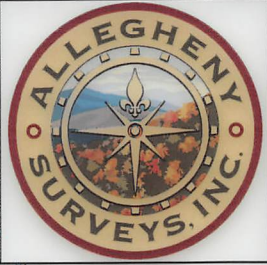
13,011' to Bottom Hole

7,847' to Bottom Hole

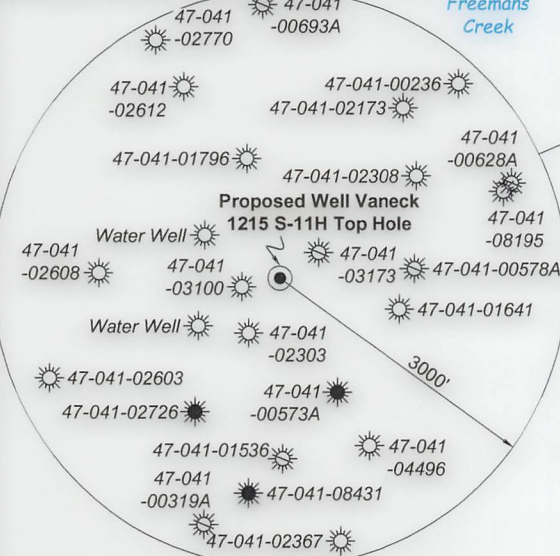
1,983' to Top Hole

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.

Kevin S. James
Kevin S. James, P.S. 2305



SEAL



Note: 2 water well was 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.

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: August 29 2022
OPERATOR'S WELL NO. Vaneck 1215 S-11H
API WELL NO
47 - 041 - 05741
STATE COUNTY PERMIT

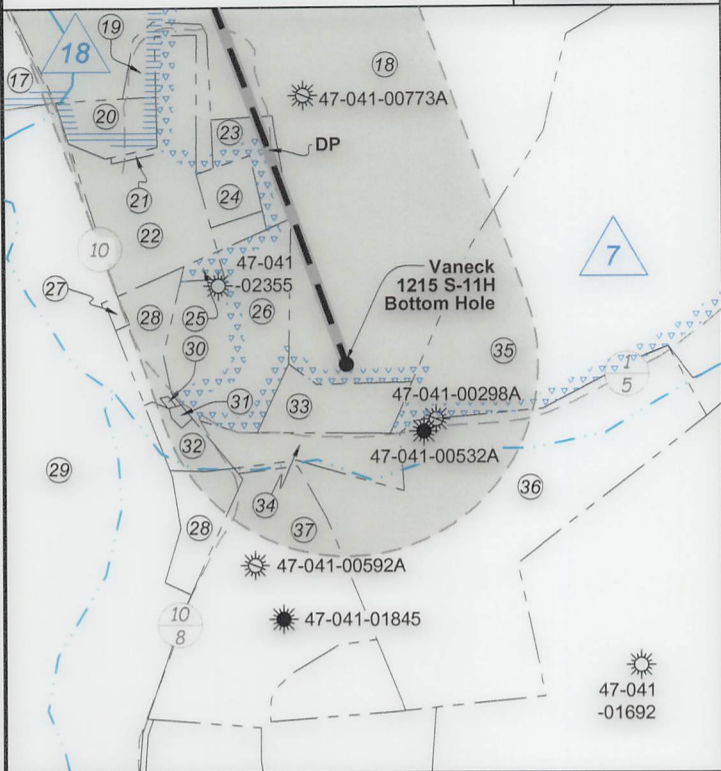
WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
(IF GAS) PRODUCTION: STORAGE DEEP SHALLOW

LOCATION: ELEVATION: 1254.8' WATERSHED: Middle West Fork Creek QUADRANGLE: Camden
DISTRICT: Freemans Creek COUNTY: Lewis 09/23/2022
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) _____ 6,790' TVD
 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 19,066' 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



Detail 2 (1"=500')

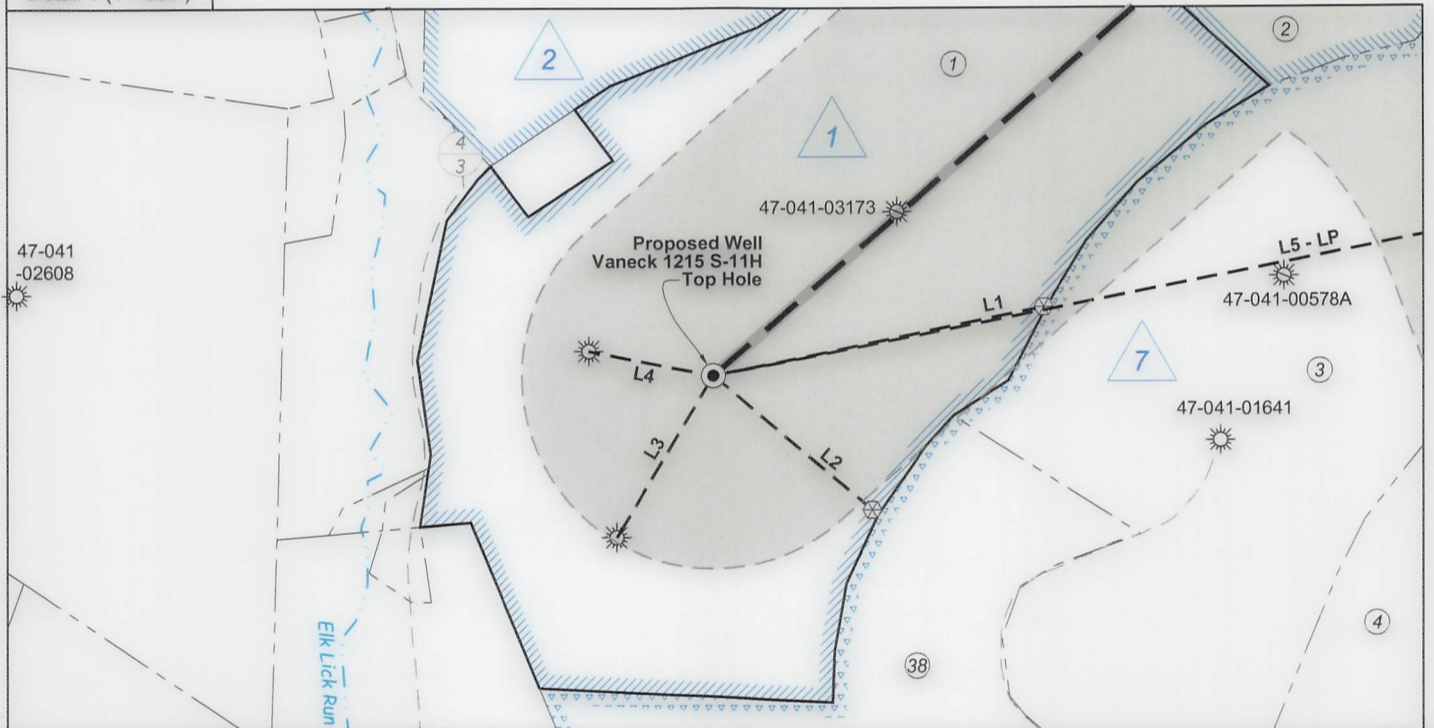


Notes:
Well No. Vaneck 1215 S-11H
UTM NAD 1983 (USSF)
Top Hole Coordinates
N: 14,205,329.15'
E: 1,768,481.71'
Landing Point Coordinates
N: 14,205,767.84'
E: 1,770,715.76'
Deflection Point Coordinates
N: 14,196,065.52'
E: 1,774,289.56'
Bottom Hole Coordinates
N: 14,195,506.51'
E: 1,774,490.24'

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°05'21.36"
Longitude: 80°32'55.17" Longitude: 80°31'39.56"
UTM Zone 17, NAD 1983
Top Hole Coordinates Bottom Hole Coordinates
N: 4,329,792.983m N: 4,326,799.038m
E: 539,034.303m E: 540,865.708m
Plat orientation and corner and well references are
based upon the grid north meridian. Well location
references are based upon the magnetic meridian.

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	N 78°53' E	2,276.7'	Landing point

Detail 1 (1"=500')



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COUNTY: Logan 08/23/2022

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ACREAGE: 55.00

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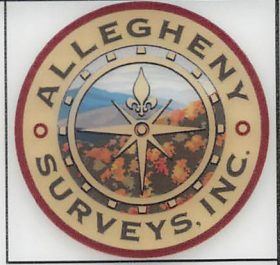
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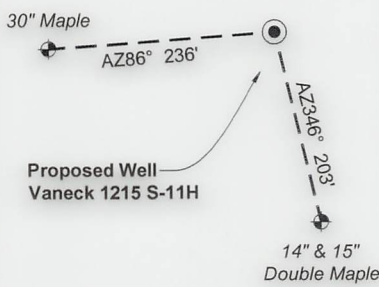
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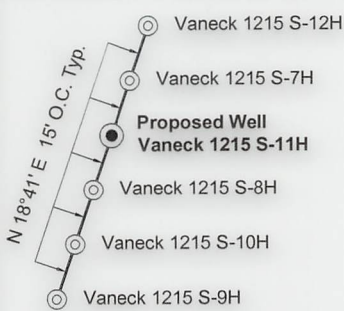


Well Location References (NTS)



ID	Lease
1	George W. Waggoner, et ux
2	Fielding B. Riley, et al
7	F. White
9	J.A. Burnside, et ux
16	Clark White, et ux
18	J. Belle Snyder, et al

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.)
- Adjoiner surface tracts (approx.)

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 & Juile 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	Rebecca & Archie E. Lattea, Jr.	484 / 553	13.86
16	5D / 38	Marsha Boggs	W8 / 308	4.12
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	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

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4704105741

SUBJECT WELL
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◆ Denotes Possible Water Supply Source to be Tested

Section of
Camden and Big Isaac
7.5' Quadrangles
SCALE 1"=1000
09/23/2022

AUG 19 2022