

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

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-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: August 29 2022
 OPERATOR'S WELL NO. Vaneck 1215 S-8H
 API WELL NO
 47 - 041 - 05137
 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: Logan
 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: 24,014' 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

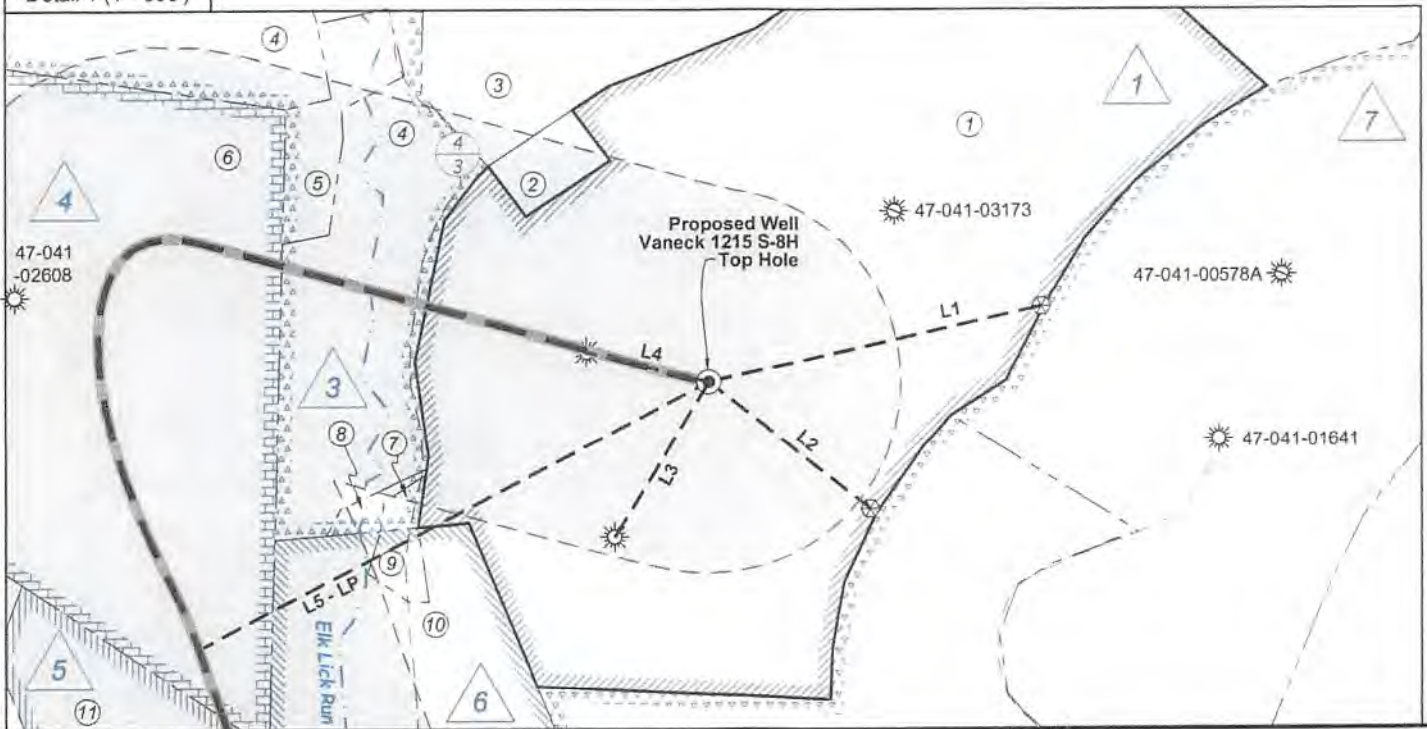


Notes: Well No. Vaneck 1215 S-8H
West Virginia Coordinate System of 1927, North Zone based upon Differential GPS Measurements.
Top Hole coordinates Bottom Hole coordinates
Latitude: 39°06'58.64" Longitude: 80°32'55.23" UTM Zone 17, NAD 1983
Latitude: 39°04'20.86" Longitude: 80°32'04.83" UTM Zone 17, NAD 1983
Top Hole Coordinates Bottom Hole Coordinates
N: 4,329,788.652m E: 539,032.839m N: 4,324,931.070m E: 540,268.225m
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-8H
UTM NAD 1983 (USSF)
Top Hole Coordinates
N: 14,205,314.94' E: 1,768,476.91'
Landing Point Coordinates
N: 14,204,619.33' E: 1,767,143.91'
Bottom Hole Coordinates
N: 14,189,378.02' E: 1,772,530.00'

Tag	Bearing	Dist.	Description
L1	S 77°29' W	887.5'	1/2" Rebar
L2	N 51°37' W	534.7'	1/2" Rebar
L3	N 31°24' E	474.1'	47-041-02303
L4	S 76°25' E	328.9'	47-041-03100
L5	S 62°27' W	1,503.6'	Landing point

Detail 1 (1"=500')



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DATE: August 29 2022
OPERATOR'S WELL NO. Vaneck 1215 S-8H
API WELL NO
47 - 041 - 05737
STATE COUNTY PERMIT

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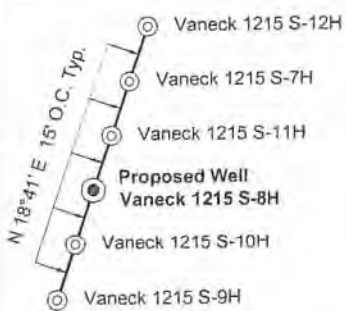


ID	Lease
1	George W. Waggoner, et ux
3	T.J. Halterman, et ux
4	George W. Waggoner, et ux
5	J.B. Halterman, et ux
6	E.W. Waggoner, et al
7	F. White
11	Thomton Taylor, et al
13	Israel Simmons
30	Alfred Woofler, et ux
31	Georgia E. Hall, et al
41	Carter J. Kemper, et al
43	J.L.J. Bailey, et ux
44	B.M. Davisson, et al

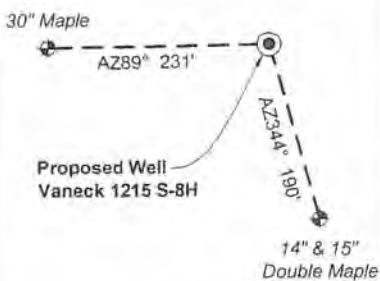
Legend

- 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.)

Wellhead Layout (NTS)



Well Location References (NTS)



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 / 28	Judith G. Piercy	F30 / 596	1.00
3	5C / 30	Woody Lumber Co. Inc.	590 / 438	140.50
4	5C / 7	Charles B. Curtis, Jr.	W19 / 725	45.65
5	5C / 7.3	Dustin McDougal	746 / 65	2.05
6	5C / 8	Daniel L. & Rena M. Waggoner	733 / 664	49.75
7	5C / 11	Gary P. Stalnaker	519 / 599	0.24
8	5C / 7.1	Gary P. Stalnaker	519 / 599	0.35
9	5C / 12.1	Karen J. & Timothy S. Rittenhouse	753 / 130	0.48
10	5C / 12	Daniel L. & Rena M. Waggoner	733 / 664	14.50
11	5C / 10.1	Michael L. McLaughlin	365 / 572	13.06
12	5C / 10	Stephen & Sherry Marsh	631 / 742	55.69
13	5C / 10.2	Robert E. & Pamela L. Thompson	346 / 379	19.94
14	5C / 17	Karen J. & Timothy S. Rittenhouse	481 / 611	84.75
15	5C / 25	Raymond C. & Colona J. Waggoner	567 / 416	45.48
16	5C / 19	Randal D. & Martika Mick	763 / 674	78.23
17	5C / 19.3	Roy D. & Debra D. Webb	582 / 127	1.27
18	5C / 19.2	Kevin L. & Regina L. Heckert	516 / 422	4.00
19	5D / 69	Smoke Camp Crafts, LLC	767 / 832	13.01
20	5D / 67	Smoke Camp Crafts, LLC	767 / 832	11.96
21	5C / 18	Kevin L. Heckert, et al	670 / 370	26.00
22	5D / 17	Bruce & Elizabeth C. Garrett	584 / 684	139.09
23	5D / 19	Smoke Camp Crafts, LLC	767 / 832	124.75
24	5D / 18	Smoke Camp Crafts, LLC	767 / 832	3.43
25	5D / 16	Bruce H. Garrett	W46 / 324	19.50
26	5D / 27	Bruce H. Garrett	W46 / 324	95.57
27	5D / 27.1	John T. Garrett	W46 / 324	80.00
28	5D / 12	Gerald P. Hull	W18 / 661	168.19
29	5D / 12.3	Jeffrey P. Hull	722 / 836	1.39
30	5D / 31	Edward E. Garrett	334 / 565	81.27
31	5D / 28	Sue E. Hall & Daniel E. Fisher	W34 / 597	148.50
32	5D / 29	Edward E. Garrett	334 / 565	70.25
33	5E / 18	Carolyn L. Bennett	W47 / 358	32.34
34	5E / 17	Lee M. Marsh, et al	680 / 116	57.96
35	5E / 16.1	Ted T. Garrett	591 / 747	1.93
36	5E / 16	John T. Garrett	W46 / 324	43.57
37	5E / 19.2	Charles A. Kemper	580 / 628	6.99
38	5E / 19.1	Jared D. & Rebecca J. Fleisher	753 / 905	2.23
39	5E / 19	Charles A. Kemper	770 / 842	55.57
40	5E / 15	John R. & Anna M. Lamb	673 / 372	11.25
41	5E / 24.2	David & Elizabeth Nichols, et al	728 / 220	221.68
42	5D / 12.2	Matthew L. Rinehart	762 / 881	1.00

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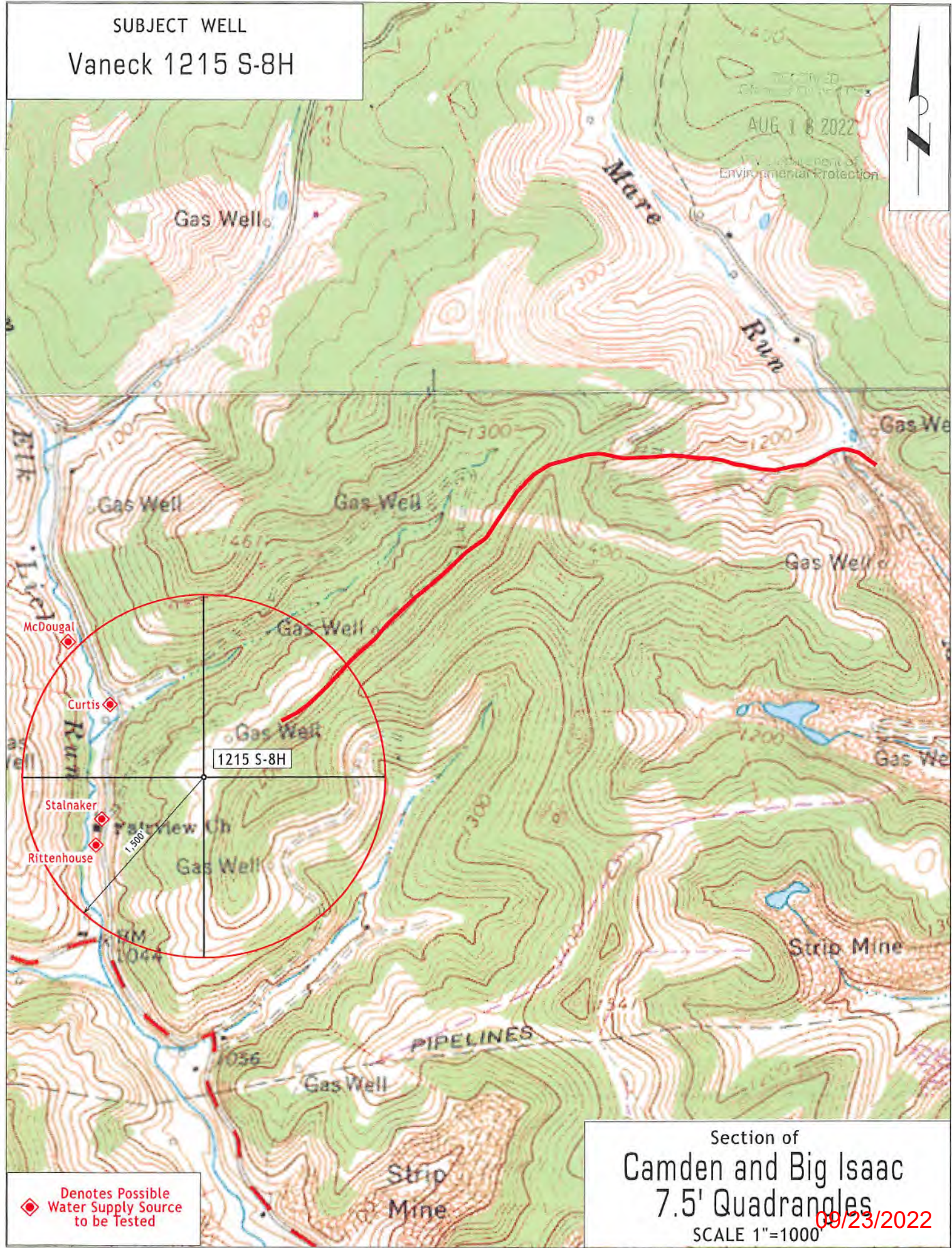
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SUBJECT WELL
Vaneck 1215 S-8H

APPROVED
DATE: AUG 18 2022
Pennsylvania Department of
Environmental Protection



◆ Denotes Possible
Water Supply Source
to be Tested

Section of
Camden and Big Isaac
7.5' Quadrangles

09/23/2022
SCALE 1"=1000'