

4704105733

8,722' to Bottom Hole

1,791' to Top Hole

TOP LATITUDE 39 - 07 - 30
BTM LATITUDE 39 - 10 - 00

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

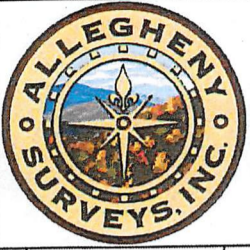


Top Hole 7.5' Spot

2,957' to Top Hole

3,508' to Bottom Hole

HG Energy II Appalachia, LLC
Well No. Vaneck 1215 N-2H



Page 1 of 3

Notes:
Well No. Vaneck 1215 N-2H
UTM NAD 1983 (USSF)
Top Hole Coordinates
N: 14,205,530.24'
E: 1,768,672.73'
Landing Point Coordinates
N: 14,205,311.46'
E: 1,766,899.28'
Bottom Hole Coordinates
N: 14,220,116.10'
E: 1,761,667.88'

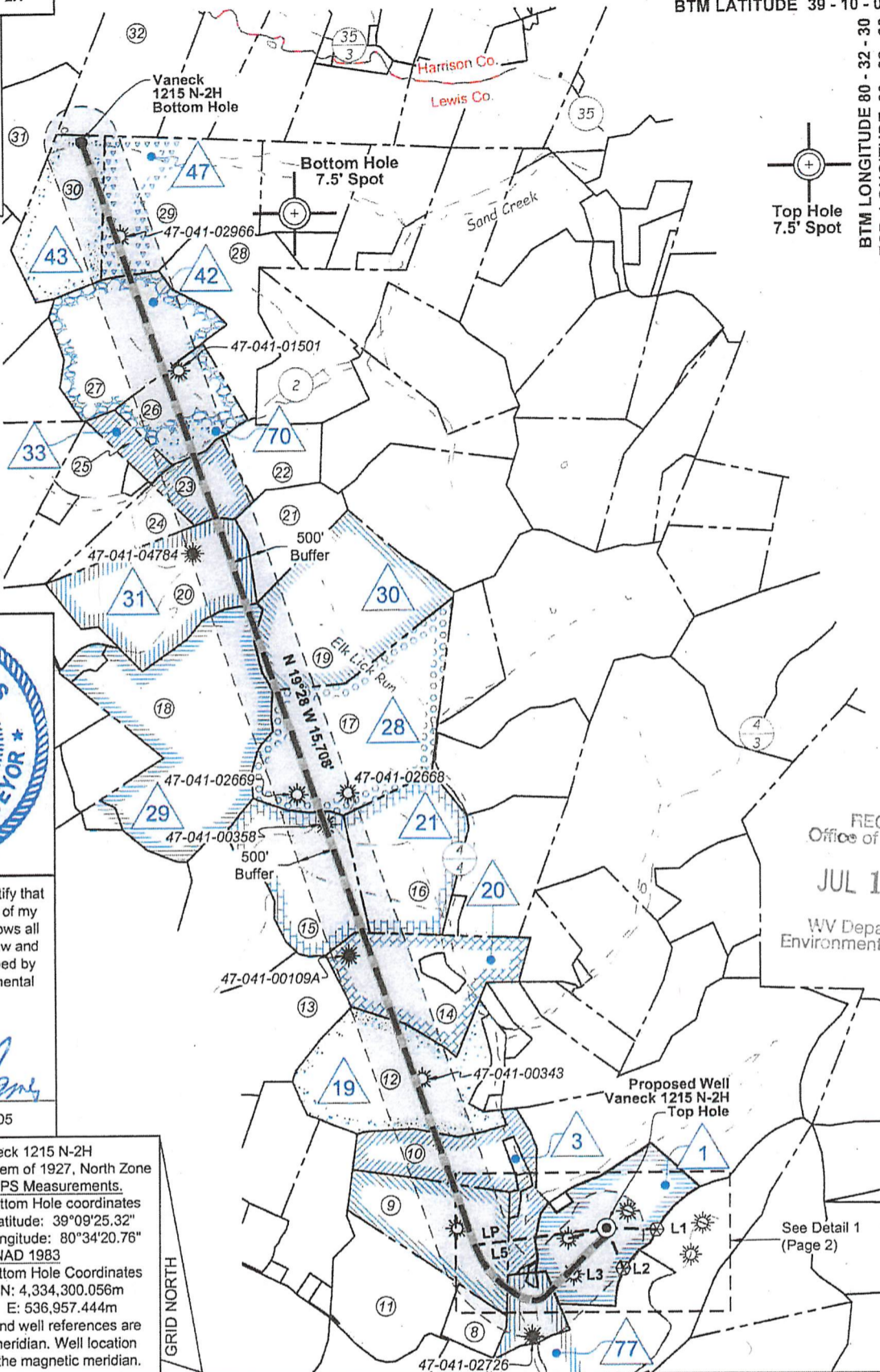


I, the undersigned, hereby certify that this plat is correct to the best of my knowledge and belief and shows all the information required by law and the rules issued and prescribed by the Department of Environmental Protection.

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

Notes: Well No. Vaneck 1215 N-2H
West Virginia Coordinate System of 1927, North Zone based upon Differential GPS Measurements.
Top Hole coordinates Latitude: 39°07'00.76" Longitude: 80°32'52.73"
Bottom Hole coordinates Latitude: 39°09'25.32" Longitude: 80°34'20.76"
UTM Zone 17, NAD 1983
Top Hole Coordinates N: 4,329,854.276m E: 539,092.525m
Bottom Hole Coordinates N: 4,334,300.056m E: 536,957.444m
Plat orientation and corner and well references are based upon the grid north meridian. Well location references are based upon the magnetic meridian.

GRID NORTH



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WV Department of Environmental Protection

See Detail 1 (Page 2)

FILE NO: 156-36-UFC-20
DRAWING NO: Vaneck 1215 N-2H 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: June 24 2022
OPERATOR'S WELL NO. Vaneck 1215 N-2H
API WELL NO
47 - 041 - 05733
STATE COUNTY PERMIT

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

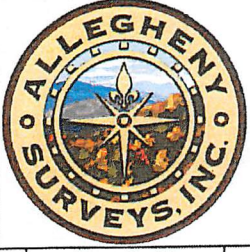
LOCATION: ELEVATION: 1254.8' WATERSHED: Middle West Fork Creek
DISTRICT: Freemans Creek
SURFACE OWNER: HG Energy II, Appalachia, LLC, et al
ROYALTY OWNER: George W. Waggoner, et ux, et al LEASE NO: _____ ACREAGE: 56.00
PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____
 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 23,527' 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

08/19/2022

4704105733

HG Energy II Appalachia, LLC
Well No. Vaneck 1215 N-2H



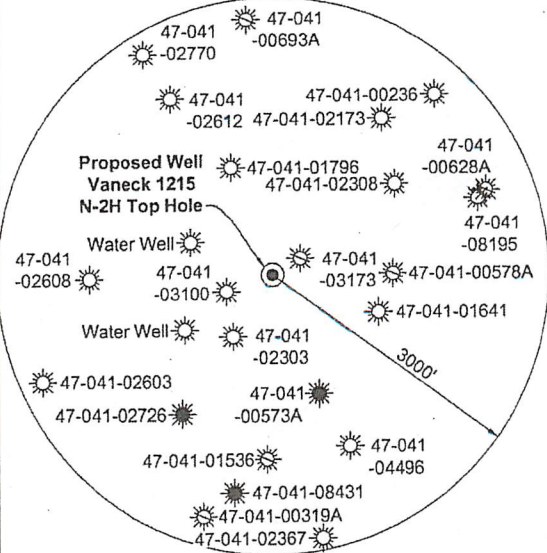
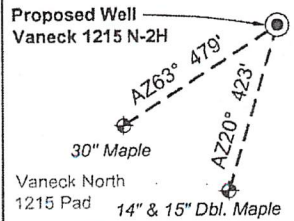
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WV Department of
Environmental Protection

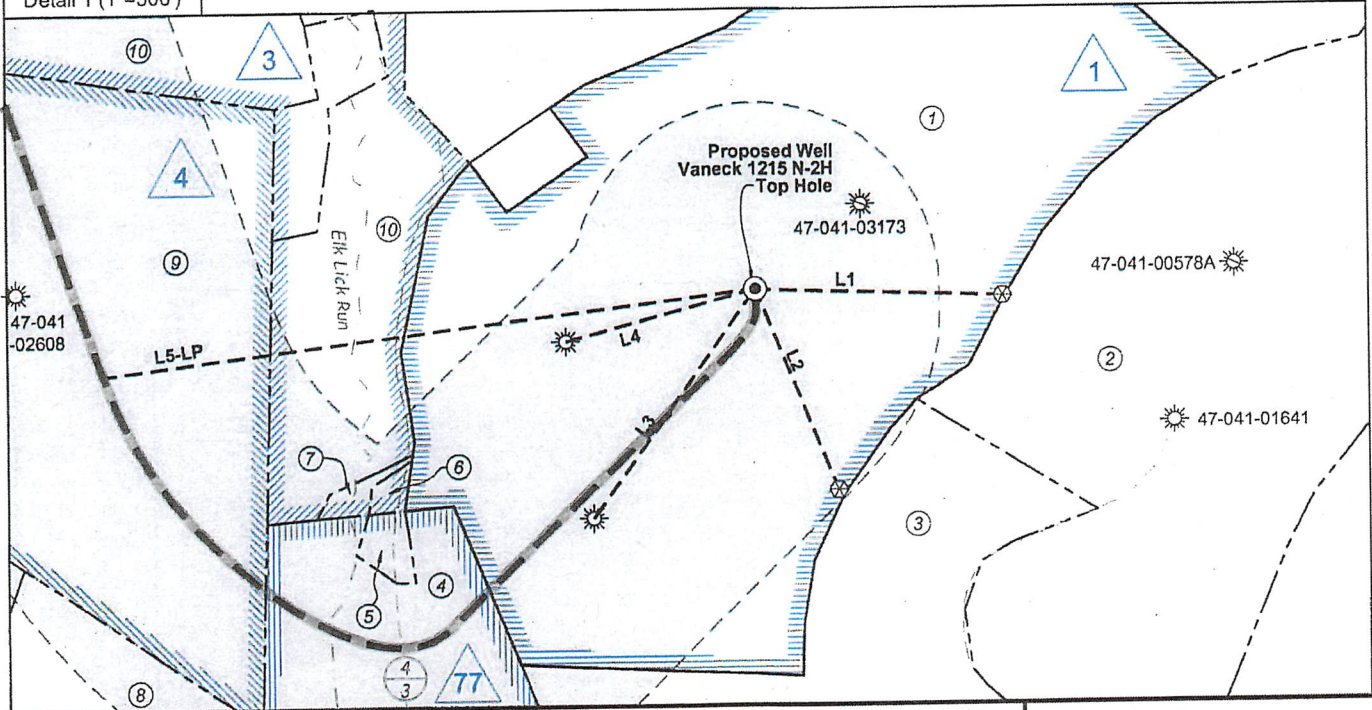
Well Location References
Not to Scale



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.

Tag	Bearing	Dist.	Description
L1	N 88°02' W	671.0'	1/2" Rebar
L2	N 22°11' W	591.1'	1/2" Rebar
L3	N 35°32' E	761.9'	#47-041-02303
L4	N 75°01' E	533.7'	#47-041-03100
L5	S 82°58' W	1,786.9'	Landing point

Detail 1 (1"=500')



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(IF GAS) PRODUCTION: STORAGE DEEP SHALLOW

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

Top - Camden
QUADRANGLE: Btm - Big Isaac

SURFACE OWNER: HG Energy II, Appalachia, LLC, et al
ROYALTY OWNER: George W. Waggoner, et ux, et al

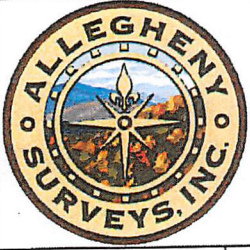
COUNTY: Lewis
ACREAGE: 55.00 08/19/2022
ACREAGE: 56.00

PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____
 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 23,527' MD 6,790' TVD

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Parkersburg, WV 26101

DESIGNATED AGENT: Diane C. White
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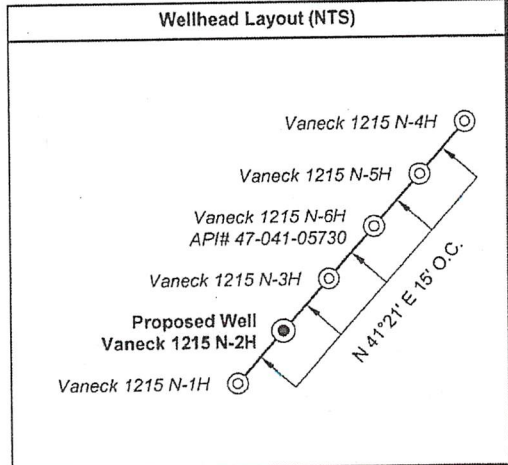
JUL 14 2022

WV Department of
Environmental Protection

ID	Lease
1	George W. Waggoner, et ux
3	T.J. Halterman, et ux
4	George W. Waggoner, et ux
19	Eliza L. Haney, et al
20	Francis M. McKinley, et ux
21	L.E. Gall, et ux
28	L.E. Gall, et al
29	J.R.H. Straley, et ux
30	W.S. Bennett, et ux
31	C.A. Coffindaffer
33	May Freeman Gaskins, et vir
42	Phillip E. Burnside, et al
43	Bennett Land Management, LLC, et al
47	Zella Curry, et al
70	Avery F. Gaskins, et ux
77	E.W. Waggoner, 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.)

Lewis Co. - Freeman Creek Dist.				
No.	TM / Par	Owner	Bk / Pg	Ac.
1	5C / 29	HG Energy II Appalachia, LLC	765 / 894	55.00
2	5C / 27.2	Jack E. & Cerilda M. Waggoner	547 / 691	57.97
3	5C / 25	Raymond C. & Colona J. Waggoner	567 / 416	45.48
4	5C / 12	Daniel L. & Rena M. Waggoner	733 / 664	14.50
5	5C / 12.1	Karen J. & Timothy S. Rittenhouse	753 / 130	0.48
6	5C / 11	Gary P. Stalnaker	519 / 599	0.24
7	5C / 7.1	Gary P. Stalnaker	519 / 599	0.35
8	5C / 10.1	Michael L. McLaughlin	365 / 572	13.06
9	5C / 8	Daniel L. & Rena M. Waggoner	733 / 664	49.75
10	5C / 7	Charles B. Curtis, Jr.	W19 / 725	45.65
11	5C / 10	Stephen & Sherry Marsh	631 / 742	55.69
12	5C / 6	Jason E. & Amy L. Hunt	589 / 3	85.00
13	4C / 27	Jeremy & Rebecca Day	726 / 592	56.50
14	5B / 11	Betty E. Rhoades	W35 / 524	56.00
15	5B / 9	Robert A. & Jane M. Marrison	722 / 374	47.50
16	5B / 8	Robert A. & Jane M. Marrison	722 / 374	47.50
17	5B / 5	Gerold L. & Rita R. Kolva	639 / 517	100.33
18	4B / 40	Curtis G. Ferguson	552 / 449	121.21
19	5B / 4	Coastal Forest Resources Co.	710 / 471	85.00
20	4B / 39	Mike Ross Inc.	678 / 455	67.75
21	5B / 2	Coastal Forest Resources Co.	710 / 471	26.00
22	4B / 36	Jeffrey P. & Anessa E. Griffith	692 / 498	23.50
23	4B / 37	Allen Stewart	715 / 724	19.25
24	4B / 38	Christopher Dobbins	724 / 857	19.25
25	4B / 34	Rachel D. & Joshua M. Wyckoff	762 / 658	10.08
26	4B / 45	Rachel D. & Joshua M. Wyckoff	750 / 260	36.78
27	4A / 38	Rachel D. & Joshua M. Wyckoff	750 / 260	63.97
28	4A / 37	Rachel D. & Joshua M. Wyckoff	750 / 260	48.50
29	4A / 34	Jerry Tomes	W17 / 336	80.00
30	4A / 33	Kinchloe Mitigation Holdings, LLC	710 / 463	47.50
31	4A / 30	Kinchloe Mitigation Holdings, LLC	704 / 324	34.75
Harrison Co. - Union-Outside Dist.				
No.	TM / Par	Owner	Bk / Pg	Ac.
32	421 / 8	Kinchloe Mitigation Holdings, LLC	1565 / 908	185.30



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08/19/2022

SUBJECT WELL
Vaneck 1215 N-2H



◆ Denotes Possible Water Supply Source to be Tested

Section of
Camden and Big Isaac
7.5' Quadrangles
SCALE 1"=1000
08/19/2022