

HG Energy II Appalachia, LLC
Well No. Vaneck 1215 N-3H



Page 1 of 3

Notes:
Well No. Vaneck 1215 N-3H
UTM NAD 1983 (USSF)
Top Hole Coordinates
N: 14,205,541.49'
E: 1,768,682.63'
Landing Point Coordinates
N: 14,205,782.77'
E: 1,768,058.48'
Bottom Hole Coordinates
N: 14,216,207.97'
E: 1,764,374.61'



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-3H
West Virginia Coordinate System of 1927, North Zone based upon Differential GPS Measurements.
Top Hole coordinates Bottom Hole coordinates
Latitude: 39°07'00.87" Latitude: 39°08'46.55"
Longitude: 80°32'52.60" Longitude: 80°33'46.63"
UTM Zone 17, NAD 1983
Top Hole Coordinates Bottom Hole Coordinates
N: 4,329,857.706m N: 4,333,108.855m
E: 539,095.544m E: 537,782.457m
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

FILE NO: 156-36-UFC-20
DRAWING NO: Vaneck 1215 N-3H 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-3H
API WELL NO
47 - 041 - 05734
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

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: 18,500' MD 6,790' TVD

WELL OPERATOR: HG Energy II Appalachia, LLC

DESIGNATED AGENT: Diane C. White

ADDRESS: 5260 Dupont Road

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Parkersburg, WV 26101

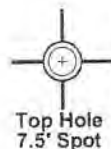
Parkersburg, WV 26101

6,035' to Bottom Hole

1,781' to Top Hole

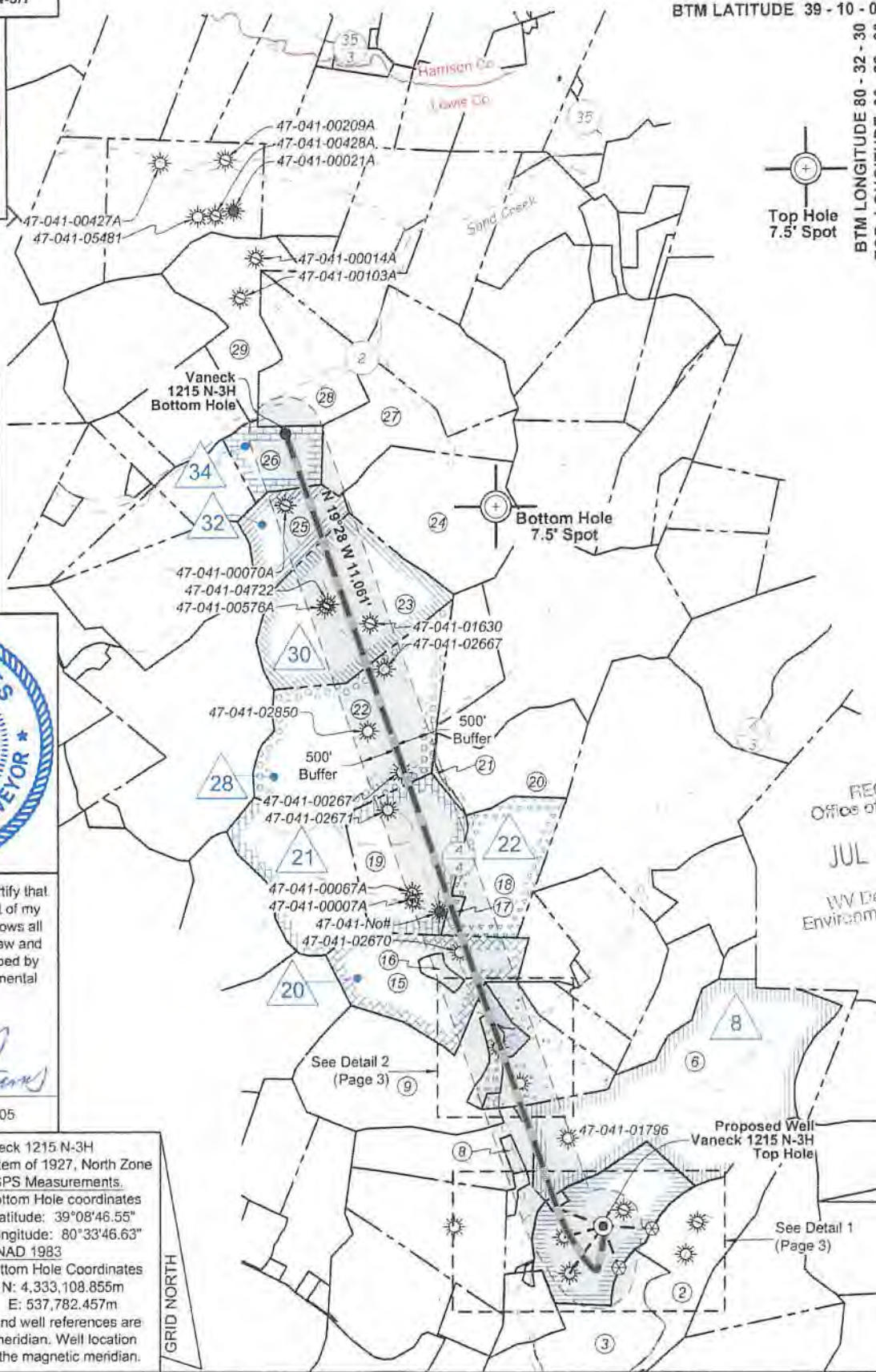
TOP LATITUDE 39 - 07 - 30
BTM LATITUDE 39 - 10 - 00

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



2,946' to Top Hole

7,429' to Bottom Hole



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JUL 14 2022
WV Department of
Environmental Protection

See Detail 2 (Page 3)

See Detail 1 (Page 3)

08/19/2022

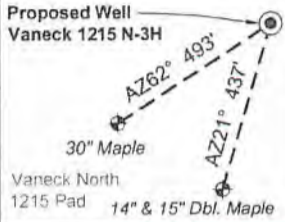


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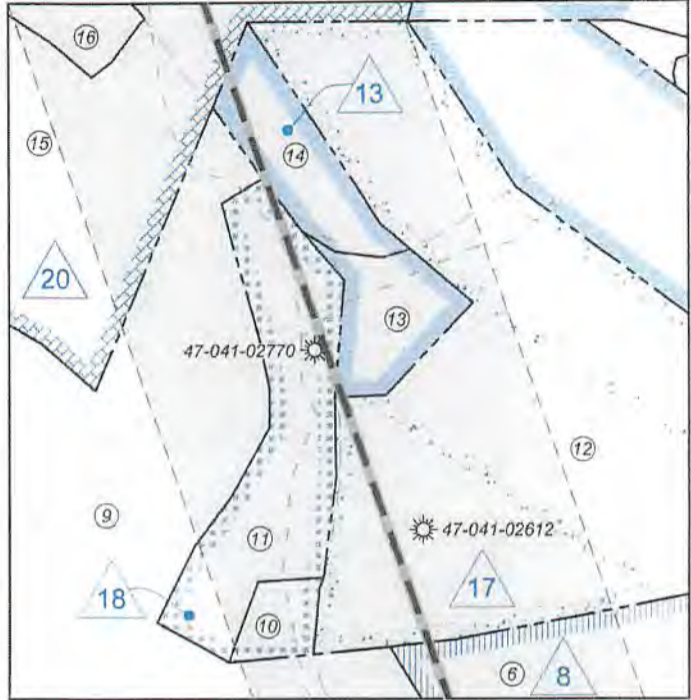
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Well Location References
Not to Scale

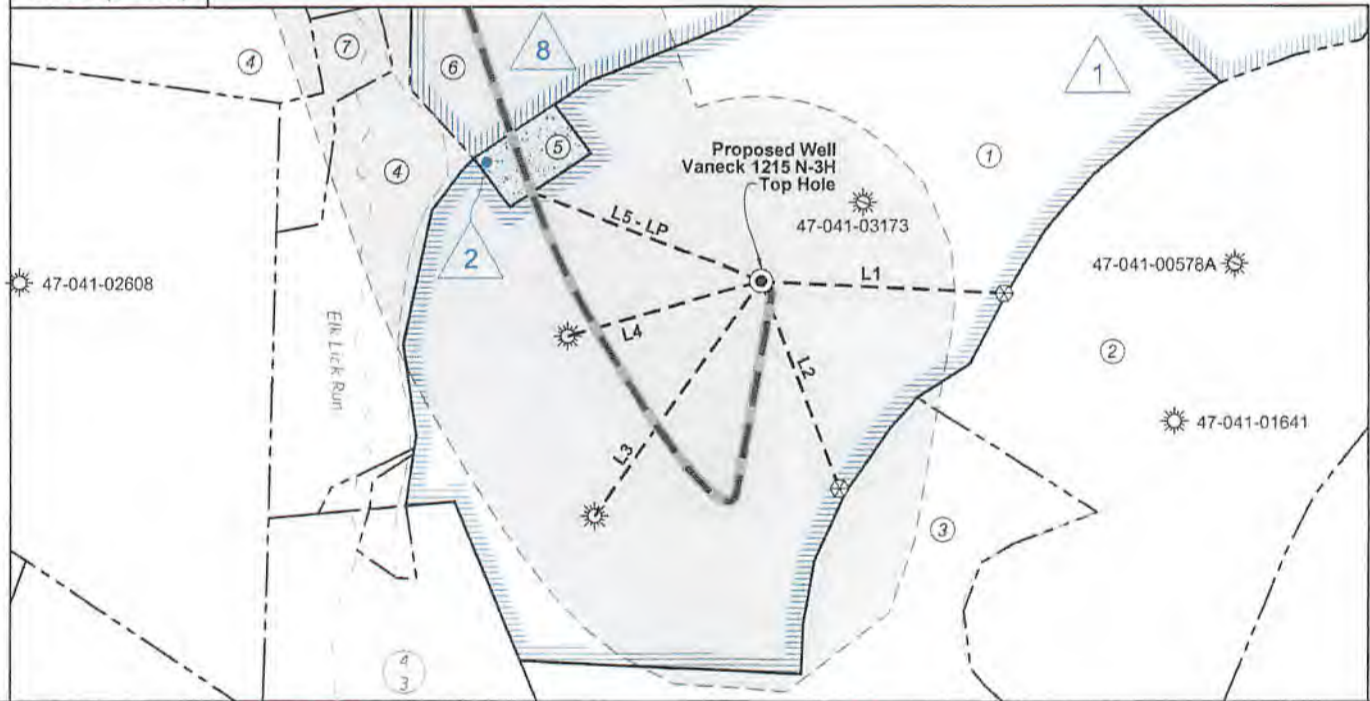


Tag	Bearing	Dist.	Description
L1	N 87°02' W	661.6'	1/2" Rebar
L2	N 20°54' W	598.0'	1/2" Rebar
L3	N 35°39' E	776.8'	#47-041-02303
L4	N 74°08' E	546.2'	#47-041-03100
L5	N 68°52' W	669.2'	Landing point

Detail 2 (1"=500')



Detail 1 (1"=500')



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Top - Camden
QUADRANGLE: Btm - Big Isaac
COUNTY: Lewis

ACREAGE: 55.00

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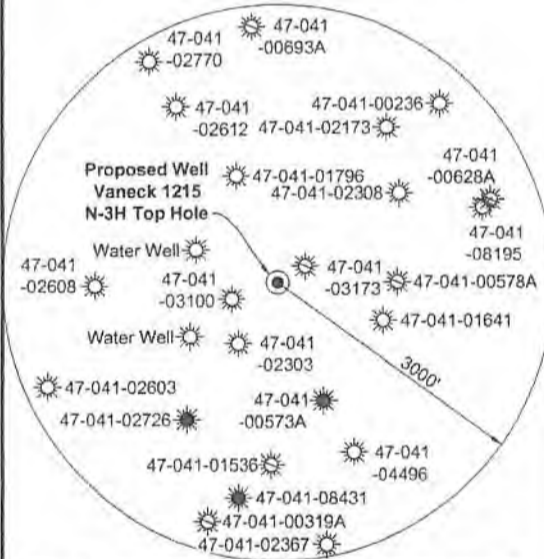
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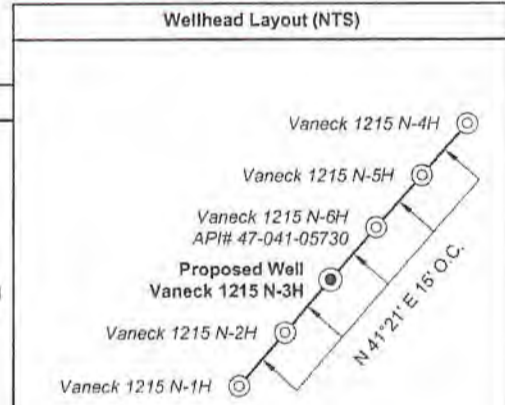
ID	Lease
1	George W. Waggoner, et ux
2	P.W. Arbogast, et al
8	Fielding B. Riley, et al
13	South Penn Natural Gas Co., et al
17	Jacob Minter, et ux
18	Caroline Minter, et al
20	Francis M. McKinley, et ux
21	L.E. Gall, et ux
22	Geo C. Francis, et al
28	L.E. Gall, et al
30	W.S. Bennett, et ux
32	Will E. Morris, et ux
34	Sadie Mae Curry, et al

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 / 7	Charles B. Curtis, Jr.	W19 / 725	45.65
5	5C / 28	Judith G. Piercy	F30 / 596	1.00
6	5C / 30	Woody Lumber Co. Inc.	590 / 438	140.50
7	5C / 7.3	Dustin McDougal	746 / 65	2.05
8	5C / 7.2	Dustin L. & David L. McDougal	603 / 688	2.01
9	5C / 6	Jason E. & Amy L. Hunt	589 / 3	85.00
10	5C / 4	Jason E. & Amy L. Hunt	589 / 3	1.00
11	5C / 5	Jason E. & Amy L. Hunt	589 / 3	6.20
12	5C / 3	Betty E. Rhoades	W35 / 524	33.60
13	5C / 2	Betty E. Rhoades	W35 / 524	2.30
14	5C / 48	Betty E. Rhoades	W35 / 524	3.00
15	5B / 11	Betty E. Rhoades	W35 / 524	56.00
16	5B / 11.1	Stewart J. Rhoades	478 / 201	3.75
17	5B / 10	Allen B. Jerden, et al	W23 / 18	4.00
18	5B / 22	Christopher G. Duerr	594 / 666	34.50
19	5B / 8	Robert A. & Jane M. Marrison	722 / 374	47.50
20	5B / 23	Christopher G. Duerr	594 / 666	20.00
21	5B / 7	Robert A. & Jane M. Marrison	722 / 374	0.69
22	5B / 5	Gerald L. & Rita R. Kolva	639 / 517	100.33
23	5B / 4	Coastal Forest Resources Co.	710 / 471	85.00
24	5B / 3	Jeffrey P. & Anessa E. Griffith	692 / 168	74.00
25	5B / 2	Coastal Forest Resources Co.	710 / 471	26.00
26	4B / 36	Jeffrey P. & Anessa E. Griffith	692 / 498	23.50
27	5B / 1	Jeffrey P. & Anessa E. Griffith	692 / 498	49.25
28	5A / 4	Jeffrey P. & Anessa E. Griffith	692 / 498	44.00
29	4A / 37	Rachel D. & Joshua M. Wyckoff	750 / 260	48.50



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.

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.)



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