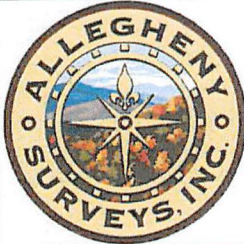


HG Energy II Appalachia, LLC
Well No. Vaneck 1215 N-5H



Page 1 of 3

Notes:
Well No. Vaneck 1215 N-5H
UTM NAD 1983 (USSF)
Top Hole Coordinates
N: 14,205,564.01'
E: 1,768,702.44'
Landing Point Coordinates
N: 14,206,615.70'
E: 1,770,415.64'
Bottom Hole Coordinates
N: 14,219,957.19'
E: 1,765,701.26'



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, P.S. 2305

Notes: Well No. Vaneck 1215 N-5H
West Virginia Coordinate System of 1927, North Zone based upon Differential GPS Measurements.
Top Hole coordinates Bottom Hole coordinates
Latitude: 39°07'01.09" Latitude: 39°09'23.56"
Longitude: 80°32'52.35" Longitude: 80°33'29.55"
UTM Zone 17, NAD 1983
Top Hole Coordinates Bottom Hole Coordinates
N: 4,329,864.569m N: 4,334,251.620m
E: 539,101.582m E: 538,186.820m
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

4,689' to Bottom Hole

1,761' to Top Hole

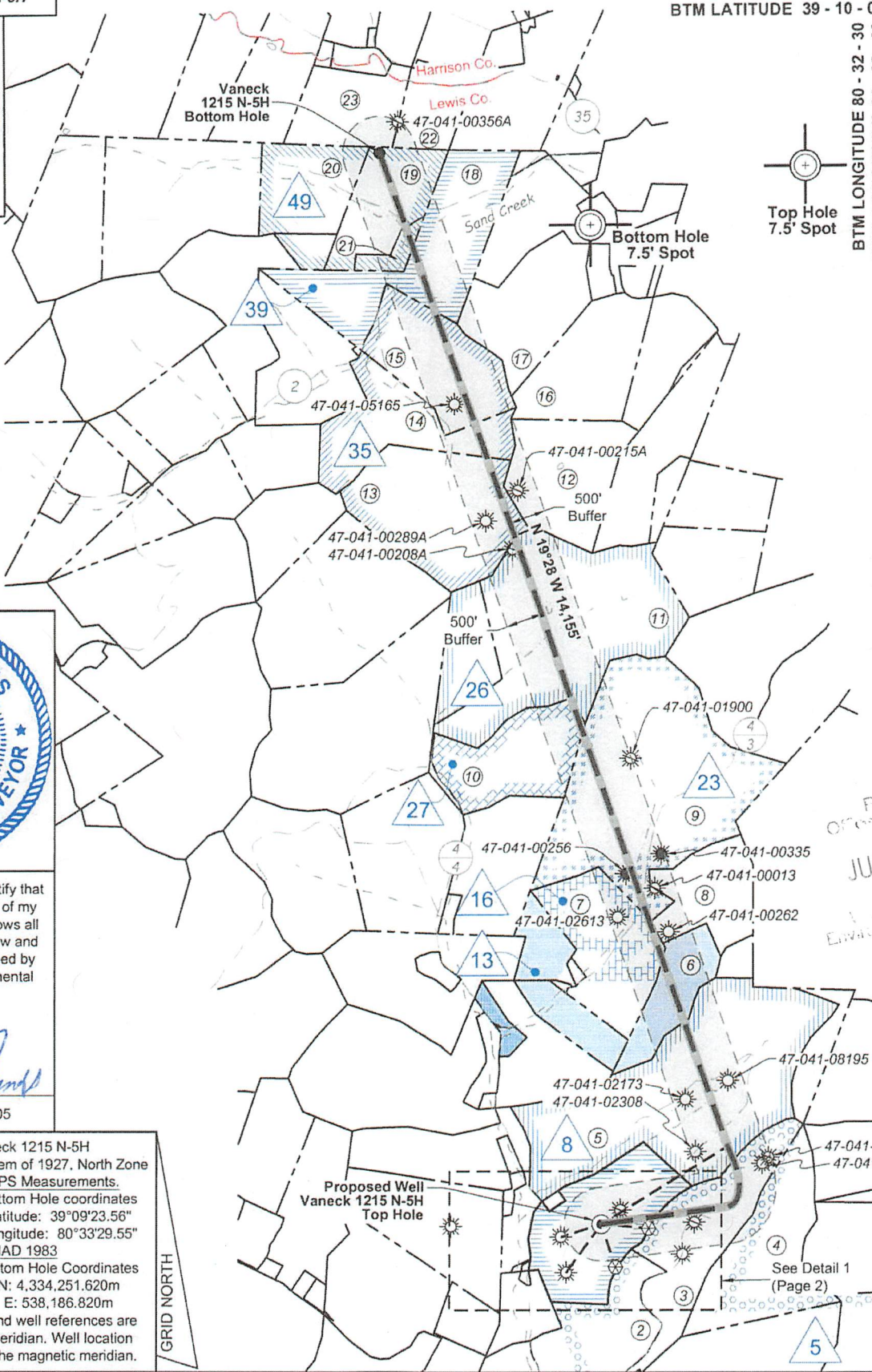
TOP LATITUDE 39 - 07 - 30
BTM LATITUDE 39 - 10 - 00

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

Top Hole 7.5' Spot
Bottom Hole 7.5' Spot

2,924' to Top Hole

3,686' to Bottom Hole



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Department of Environmental Protection

FILE NO: 156-36-UFC-20
DRAWING NO: Vaneck 1215 N-5H 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-5H
API WELL NO
47 - 041 - 05736
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: 21,900' MD

WELL OPERATOR: HG Energy II Appalachia, LLC

DESIGNATED AGENT: Diane C. White

ADDRESS: 5260 Dupont Road
Parkersburg, WV 26101

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Parkersburg, WV 26101

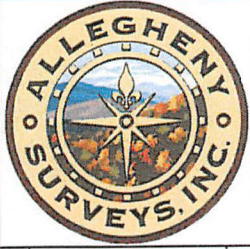
Top - Camden
QUADRANGLE: Btm - Big Isaac
COUNTY: Lewis

ACREAGE: 55.00

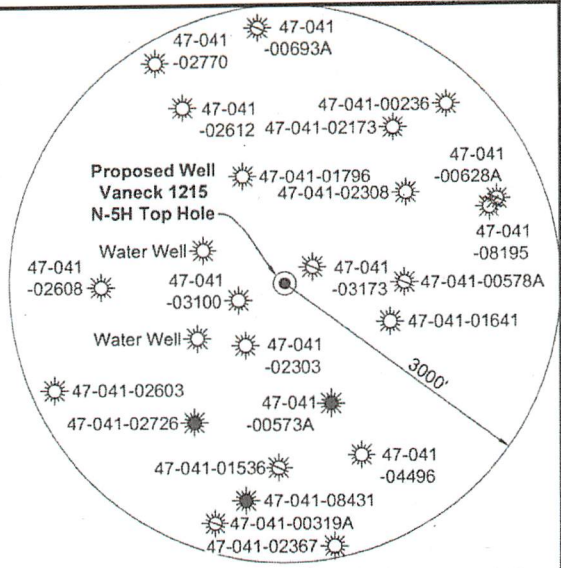
ACREAGE: 56.00

08/19/2022

HG Energy II Appalachia, LLC
Well No. Vaneck 1215 N-5H

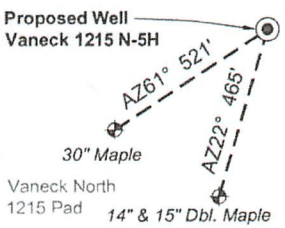


Page 2 of 3



Note: 2 water well was found within 1500' of proposed well. No occupied dwellings or buildings 2,500 square feet or larger used for house or shelter dairy cattle or poultry husbandry are located within 625' of the center of the well pad.

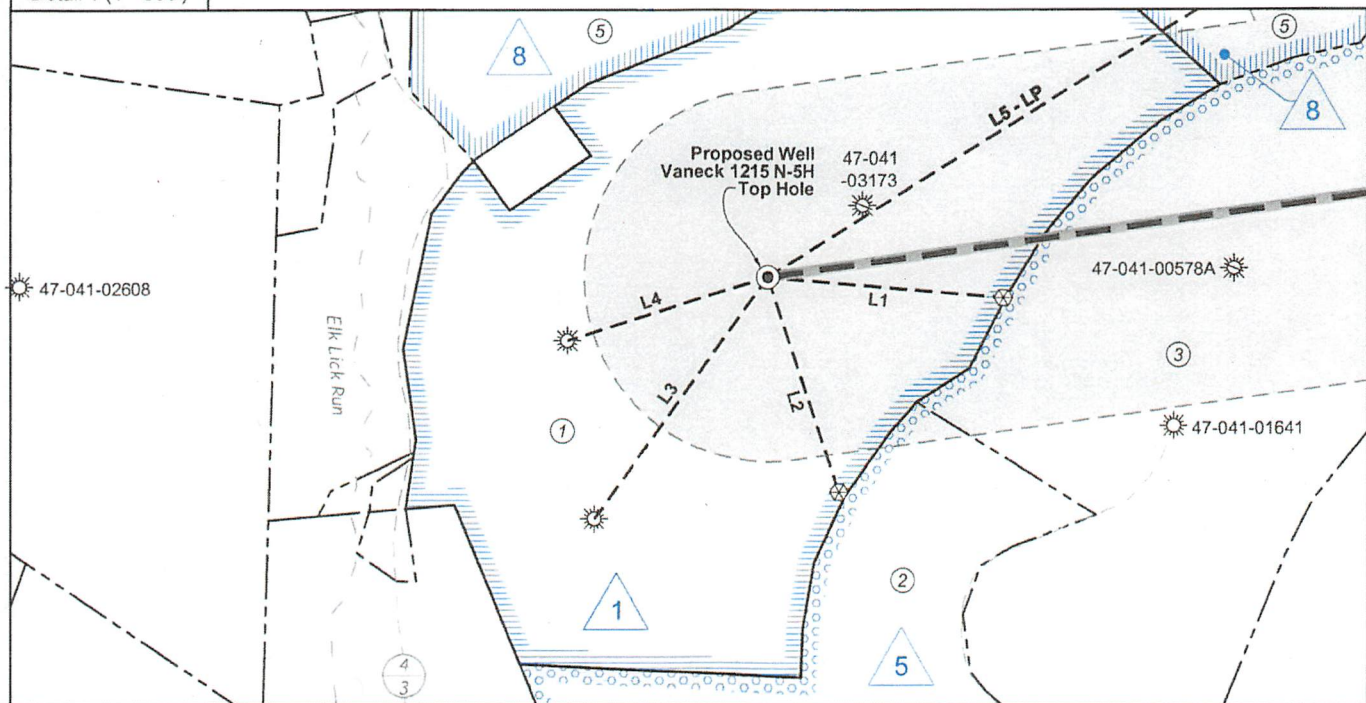
Well Location References
Not to Scale



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Tag	Bearing	Dist.	Description
L1	N 84°56' W	643.4'	1/2" Rebar
L2	N 18°25' W	612.5'	1/2" Rebar
L3	N 35°52' E	806.6'	#47-041-02303
L4	N 72°31' E	571.6'	#47-041-03100
L5	N 58°27' E	2,010.3'	Landing point

Detail 1 (1"=500')



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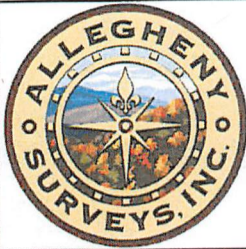
LEASE NO: _____ ACREAGE: 55.00
ACREAGE: 56.00

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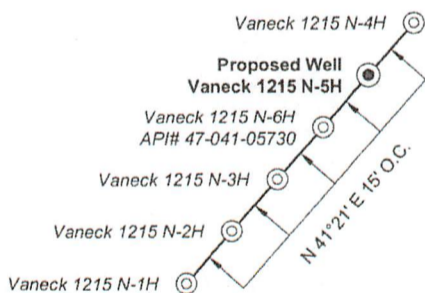
08/19/2022



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)



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JUL 14 2022
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Environmental Protection

ID	Lease
1	George W. Waggoner, et ux
5	F. White
8	Fielding B. Riley, et al
13	South Penn Natural Gas Co., et al
16	Caroline Minter
23	George I. Davisson, et al
26	Francis M. McKinley, et ux
27	C. Francis, et al
35	J.S. Burnside, et ux
39	Dovener C. Burnside, et ux
49	Ethel F. 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 / 25	Raymond C. & Colona J. Waggoner	567 / 416	45.48
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 / 30	Woody Lumber Co. Inc.	590 / 438	140.50
6	5C / 55	Debora Burnside Garrett, et al	WB R / 525	25.00
7	5B / 15	Edward E. Garrett, et al	429 / 245	53.40
8	5B / 19	Theodore J. & Jacqueline Riley	578 / 99	35.00
9	5B / 21	Theodore J. & Jacqueline Riley	467 / 254	140.00
10	5B / 23	Christopher G. Duerr	594 / 666	40.00
11	5B / 25.1	Jeffrey P. & Anessa E. Griffith	745 / 338	118.29
12	5B / 26	Dawna J. Burnside	762 / 219	52.00
13	5B / 3	Jeffrey P. & Anessa E. Griffith	653 / 168	74.00
14	5B / 1	Jeffrey P. & Anessa E. Griffith	692 / 498	49.25
15	5A / 5	Jeffrey P. & Anessa E. Griffith	653 / 165	51.25
16	5A / 12	Jeffrey P. & Anessa E. Griffith	745 / 162	47.84
17	5A / 12.1	Jeffrey P. & Anessa E. Griffith	745 / 162	47.84
18	5A / 6	Jeffrey P. & Anessa E. Griffith	692 / 498	78.00
19	5A / 2	Jerry Tomes	W17 / 336	42.00
20	4A / 35	Jerry Tomes	W17 / 336	34.00
21	5A / 2.1	Wilson L. Zimmerman	702 / 556	6.00
Harrison Co. - Union-Outside Dist.				
No.	TM / Par	Owner	Bk / Pg	Ac.
22	421 / 36	Sterling & Sheila Smith	1416 / 875	23.00
23	421 / 35	Marion Dougherty	1464 / 1331	34.00

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SUBJECT WELL
Vaneck 1215 N-5H



- McDougal
- Curtis
- Stalnaker
- Rittenhouse

1215 N-5H

◆ Denotes Possible Water Supply Source to be Tested

Section of
Camden and Big Isaac
7.5' Quadrangles

SCALE 1"=1000'

08/19/2022