



west virginia department of environmental protection

Office of Oil and Gas
601 57th Street, S.E.
Charleston, WV 25304
(304) 926-0450
fax: (304) 926-0452

Harold D. Ward, Cabinet Secretary
www.dep.wv.gov

Tuesday, September 23, 2025
PERMIT MODIFICATION APPROVAL
Horizontal 6A / New Drill

HG ENERGY II APPALACHIA, LLC
5260 DUPONT ROAD

PARKERSBURG, WV 26101

Re: Permit Modification Approval for Van Wie 1221 S-8H
47-041-05767-00-00

Move Landing Point and Bottom hole Location

HG ENERGY II APPALACHIA, LLC

The Office of Oil and Gas has reviewed the attached permit modification for the above referenced permit. The attached modification has been approved and well work may begin. Please be reminded that the oil and gas inspector is to be notified twenty-four (24) hours before permitted well work is commenced.

If there are any questions, please feel free to contact me at (304) 926- 0450.

James A. Martin
Chief

Operator's Well Number: Van Wie 1221 S-8H
Farm Name: HG Energy II Appalachia, LLC
U.S. WELL NUMBER: 47-041-05767-00-00
Horizontal 6A New Drill
Date Modification Issued: 09/23/2025

Promoting a healthy environment.

09/26/2025

WW-6B
(04/15)

API NO. 47- 041-05767
OPERATOR WELL NO. Van Wie 1221 S-8H ST01
Well Pad Name: Van Wie 1221

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
WELL WORK PERMIT APPLICATION

- 1) Well Operator: HG Energy II Appalachia, L 494519932 Lewis Freeman Vadis 7.5'
Operator ID County District Quadrangle
- 2) Operator's Well Number: Van Wie 1221 S-8H ST01 Well Pad Name: Van Wie 1221
- 3) Farm Name/Surface Owner: HG Energy II Appalachia, LLC Public Road Access: CR 11/3 aka Straight Run Road
- 4) Elevation, current ground: 1256' Elevation, proposed post-construction: 1251.7'
- 5) Well Type (a) Gas x Oil _____ Underground Storage _____
Other _____
(b) If Gas Shallow x Deep _____
Horizontal x
- 6) Existing Pad: Yes or No No
- 7) Proposed Target Formation(s), Depth(s), Anticipated Thickness and Expected Pressure(s):
Marcellus at 7002' / 7049' and 47' in thickness. Anticipated pressure at 4314#.
- 8) Proposed Total Vertical Depth: 6,826' ✓
- 9) Formation at Total Vertical Depth: Marcellus ✓
- 10) Proposed Total Measured Depth: 32,515' ✓
- 11) Proposed Horizontal Leg Length: 24,619' ✓
- 12) Approximate Fresh Water Strata Depths: 150', 181', 826' ✓
- 13) Method to Determine Fresh Water Depths: Nearest offset well data, (47-017-02906, 2480, 4233,)
- 14) Approximate Saltwater Depths: NA
- 15) Approximate Coal Seam Depths: 220' - 225', 428'-438', 495'-501' (Surface casing is being extended to cover the coal in the DTI Field)
- 16) Approximate Depth to Possible Void (coal mine, karst, other): None
- 17) Does Proposed well location contain coal seams directly overlying or adjacent to an active mine? Yes _____ No X

- (a) If Yes, provide Mine Info: Name: _____
Depth: _____
Seam: _____
Owner: _____

CK# 052581
7500⁰⁰
9/17/2025

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SEP 22 2025

WV Department of
Environmental Protection

WW-6B
(04/15)

API NO. 47- _____ -
OPERATOR WELL NO. Van Wie 1221 S-8H ST01
Well Pad Name: Van Wie 1221

18)

CASING AND TUBING PROGRAM

TYPE	Size (in)	New or Used	Grade	Weight per ft. (lb/ft)	FOOTAGE: For Drilling (ft)	INTERVALS: Left in Well (ft)	CEMENT: Fill-up (Cu. Ft.)/CTS
Conductor	30"	New	LS	157.5	120'	120' ✓	CTS
Fresh Water/Coal	20"	NEW	J-55	94	1225'	1225' ✓	40% Excess, CTS
Intermediate 1	13 3/8"	NEW	J-55 BTC	68	2760'	2760' ✓	40% Excess, CTS
Intermediate 2	9 5/8"	NEW	N/L-80 HC GBCD	40	6230'	6230' ✓	40% Excess Tail, CTS ✓
Production	5 1/2"	NEW	P-110 HP TXP / WVI	23	32515'	32515' ✓	20% Excess Tail, CTS
Tubing							
Liners							

Kenneth Greynolds
Digitally signed by: Kenneth Greynolds
DN: CN = Kenneth Greynolds email = Kenneth.L.Greynolds@ov.gov C = AD O = WVDEP OU = Oil and Gas
Date: 2025.09.16 08:38:40 -0400

TYPE	Size (in)	Wellbore Diameter (in)	Wall Thickness (in)	Burst Pressure (psi)	Anticipated Max. Internal Pressure (psi)	Cement Type	Cement Yield (cu. ft./k)
Conductor	30"	30"	.500				Drilled In
Fresh Water/Coal	20"	26"	.438	2110	1200	Type 1, Class A	40 % excess yield = 1.20, CTS
Intermediate 1	13 3/8"	17 1/2"	.480	3450		Type 1/Class A	Lead 40% excess, Tail 0% excess
Intermediate 2	9 5/8"	12 1/4"	.395	5750		Type 1/Class A	Lead 40% excess, Tail 0% Excess Lead
Production	5 1/2"	8 1/2"	.415	16240	12500 ✓	Type 1/Class A	20% excess yield = 1.19, tail yield 1.54
Tubing							
Liners							

PACKERS

Kind:				
Sizes:				
Depths Set:				

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19) Describe proposed well work, including the drilling and plugging back of any pilot hole:

Drill the vertical depth to the Marcellus at an estimated total vertical depth of approximately 6826'. Drill horizontal leg to estimated 24,619' lateral length, 32,515' TMD. Hydraulically fracture, stimulate and be capable of producing from the Marcellus Formation. Should we encounter an unanticipated void in the coal, we will install a minimum of 20' of casing below the void but not more than 100' below the void, set a basket and grout to surface. We plan to run an ACP above the Gantz/Dominion Storage interval to aid in sealing off and isolating the storage interval.

20) Describe fracturing/stimulating methods in detail, including anticipated max pressure and max rate:

The stimulation will be completed with multiple stages divided over the lateral length of the well. Stage spacing is dependent upon engineering design. Slickwater fracturing technique will be utilized on each stage using sand, water, and chemicals. See attached list. Maximum pressure not to exceed 12,500 psi.

21) Total Area to be disturbed, including roads, stockpile area, pits, etc., (acres): 24.95 acres

22) Area to be disturbed for well pad only, less access road (acres): 9.53 acres

23) Describe centralizer placement for each casing string:

No centralizers will be used with conductor casing.
Freshwater/Coal - centralized every 3 joints to surface.
Intermediate 1 - Bow Spring on every joint, will also be running ACP for isolating storage zone
Intermediate 2 - Bow Spring on first 2 joints then every third joint to 100' from surface.
Production - Vertical - Run 1 spiral centralizer every 5 joints from the top of the curve to surface, Curve - Run 1 spiral centralizer every 3 joints from the 1st 5.5" long joint to the top of the curve.

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24) Describe all cement additives associated with each cement type:

Conductor - N/A, Casing to be drilled in w/ Dual Rotary Rig.
Fresh Water/Coal - ~15.6 ppg PNE-1 + 3% bwoc CaCH40% ExcessYield=1.20 / CTS"
Intermediate 1 - *** Storage String*** CTS ***15.4 ppg Lead - Yield 1.24 - D596 Surface Set 100 lb / sack (Mix of Class A and Gypsum to meet Dominion Requirements)B348 - 0.5% BWOB Fluid Loss / D013 - 0.75% BWOB Retarder / D047 - 0.02 gal / sack VSWOB And Foam / D202 - 0.15% BWOB Dispersant / D095 1.5 lb per BBL CamNET - 60% Excess15.9 ppg Tail - Yield 1.17 - D596 Surface Set 100 lb / sack (Mix of Class A and Gypsum to meet Dominion Requirements)B160A - 0.15% BWOB Dispersant / B547 - 0.35% BWOB GasBLOK / D013 - 0.3% BWOB Retarder / D047 - 0.02 gal / sack Anti Foam / D801 - 0.03 gal / sack Retarder - 0% Excess"
Intermediate 2 - "Lead: 15.4 ppg PNE-1 + 2.5% bwoc CaCH40% Excess / Tail: 15.9 ppg PNE-1 + 2.5% bwoc CaCl zero% Excess. CTS"
Production - "Lead: 14.5 ppg POZ-PNE-1 + 0.3% bwoc R3 + 1% bwoc EC1 + 0.75 gal/sk FP13L + 0.3% bwoc MPA170Tail: 14.8 ppg PNE-1 + 0.35% bwoc R3 + 0.75 gal/sk FP13L + 50% bwoc ASCA1 + 0.5% bwoc MPA17020% ExcessLead Yield=1.19Tail Yield=1.94CTS"

WV Department of
Environmental Protection

25) Proposed borehole conditioning procedures:

Conductor - Ensure the hole is clean at TD.
Fresh Water/Coal - Once casing is at setting depth, circulate a minimum of one hole volume with Fresh Water prior to pumping cement.
Intermediate 1 - Once casing is at setting depth, Circulate and condition at TD. Circulate a minimum of one hole volume prior to pumping cement.
Intermediate 2 - Once casing is at setting depth, Circulate and condition mud at TD. Circulate a minimum of one hole volume prior to pumping cement.
Production - Once on bottom/TD with casing, circulate at max allowable pump rate for at least 2x bottoms up, or until returns and pump pressures indicate the hole is clean. Circulate a minimum of one hole volume prior to pumping cement.

*Note: Attach additional sheets as needed.

*** Storage String *** CTS ***

15.4 ppg Lead - Yield 1.24 - D896 Surface Set 100 lb / sack (Mix of Class A and Gypsum to meet Dominion Requirements)
 B348 - 0.5% BWOB Fluid Loss / D013 - 0.75% BWOB Retarder / D47 - 0.02 gal / sack VBWOB Anti Foam / D202 - 0.15% BWOB
 Dispersant / D095 1.5 lb per BBL CemNET* - 60% Excess
 15.9 ppg Tail - Yield 1.17 - D896 Surface Set 100 lb / sack (Mix of Class A and Gypsum to meet Dominion Requirements)
 B160A - 0.15% BWOB Dispersant / B547 - 0.35% BWOB GasBLOK* / D013 - 0.3% BWOB Retarder / D047 - 0.02 gal / sack Anti Foam /
 D801 - 0.03 gal / sack Retarder - 0% Excess

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 WV Department of Environmental Protection

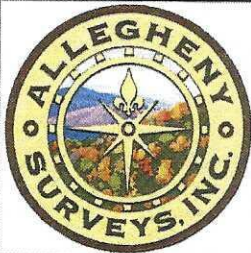
1221 S-8H ST01
 Marcellus Shale Horizontal
 Doddridge County, WV



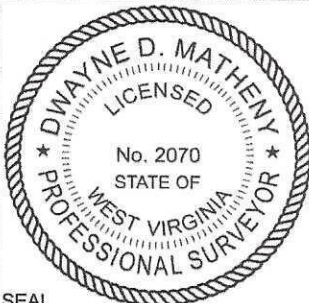
Ground Elevation				1221 S-8H ST01 SHL				14197235N 1734268.6E		
Azm				1221 S-8H ST01 LP				14196769.26N 1734376.99E		
WELLBORE DIAGRAM				1221 S-8H ST01 BHL				14173574.79N 1742580.49E		
HOLE	CASING	GEOLOGY	TOP	BASE	MUD	CEMENT	CENTRALIZERS	CONDITIONING	COMMENTS	
30"	30" 157.5# LS	Conductor	0	120	AIR	N/A, Casing to be drilled in w/ Dual Rotary Rig	N/A	Ensure the hole is clean at TD.	Conductor casing = 0.5" wall thickness	
26"	20" 94# J-55	Coal	740	746	AIR	15.6 ppg PNE-1 + 3% bwoc CaCl 40% Excess Yield=1.20 / CTS	Centralized every 3 joints to surface	Once casing is at setting depth, circulate a minimum of one hole volume with Fresh Water prior to pumping cement.	Surface casing = 0.438" wall thickness Burst=2110 psi	
17.5"	13-3/8" 68# J-55 BTC	Little Lime	2167	2187	AIR / KCL Salt Polymer	See above (LEFT) for Storage String Cement Blend to Meet DTI Requirements for Gas Storage Field Isolation	Bow Spring on every joint <i>*will also be running ACP for isolating storage zone*</i>	Once casing is at setting depth, Circulate and condition at TD. Circulate a minimum of one hole volume prior to pumping cement.	Intermediate casing = 0.480" wall thickness Burst=3450 psi	
		Big Lime	2216	2265						
		Injun / Gantz (Storage)	2265 / 2597	2361 / 2647						
		Intermediate 1	0	2760	AIR / KCL Salt Polymer	Lead: 15.4 ppg PNE-1 + 2.5% bwoc CaCl 40% Excess / Tail: 15.9 ppg PNE-1 + 2.5% bwoc CaCl zero% Excess. CTS	Run 1 spiral centralizer every 5 joints from the top of the curve to surface.	Once casing is at setting depth, Circulate and condition mud at TD. Circulate a minimum of one hole volume prior to pumping cement.	Intermediate casing = 0.395" wall thickness Burst=5750 psi	
12.25"	9-5/8" 40# N / L-80 HC GBCD	Benson	5038	5072						
		Alexander	5324	5444						
		Rhinestreet	6303	6591						
		Cashaqua	6591	6736						
		Middlesex	6736	6815						
		West River	6815	6884						
		Burkett	6884	6925						
		Tully Limestone	6925	6952						
		Intermediate 2	0	TVD: 6128' MD: 6230' Inc: 10 deg.	11.5ppg-12.5ppg SOBM	Lead: 14.5 ppg POZ:PNE-1 + 0.3% bwoc R3 + 1% bwoc EC1 + 0.75 gal/sk FP13L + 0.3% bwoc MPA170 Tail: 14.8 ppg PNE-1 + 0.35% bwoc R3 + 0.75 gal/sk FP13L + 50% bwoc ASCA1 + 0.5% bwoc MPA170 20% Excess Lead Yield=1.19 Tail Yield=1.94 CTS	Run 1 spiral centralizer every 5 joints from the top of the curve to surface.	Once on bottom/TD with casing, circulate at max allowable pump rate for at least 2x bottoms up, or until returns and pump pressures indicate the hole is clean. Circulate a minimum of one hole volume prior to pumping cement.	Production casing = 0.415" wall thickness Burst=16240 psi Note:Actual centralizer schedules may be changed due to hole conditions	
8.5" Curve	5-1/2" 23# P-110 HP TXP / W461	Approx. TOF ~7,000' MD....Cement Plug / Plug Back from 7,000' MD to 6300' MD....Tagged Plug after WOC, GOOD so dressed plug and C&C mud.... TOO H drillpipe and RIH w/ Intermediate 2 Casing and Cement same in place								
8.5" Lateral		Hamilton	6952	7002	11.5ppg-12.5ppg SOBM	Run 1 spiral centralizer every 3 joints from the 1st 5.5" long joint to the top of the curve.				
		Marcellus	7002	7049						
		TMD / TVD (Production)	32514	7035						
		Onondaga	7049							
LP @ 7035' TVD / 7895' MD				8.5" Hole - Cemented Long String 5-1/2" 23# P-110 HP TXP / W461				+/-24619' ft Lateral		TD @ +/-6826' TVD +/-32514' MD

X=centralizers

HG Energy II Appalachia, LLC
Well No. Van Wie 1221 S-8H ST01



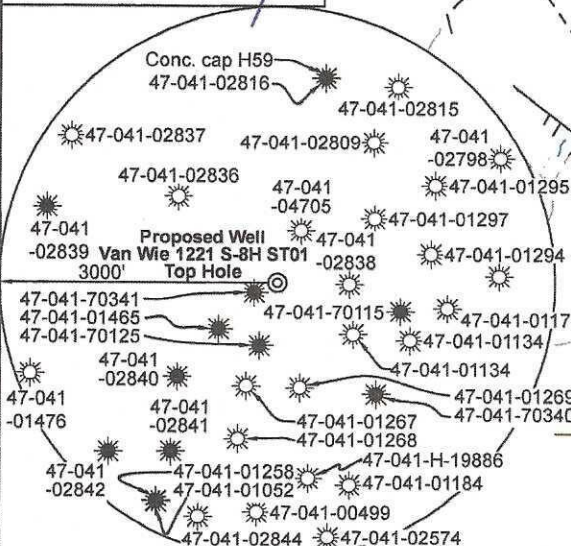
Page 1 of 3



SEAL

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.

Dwayne D. Matheny
Dwayne D. Matheny, P.S. 2070



Note: 0 water wells, 0 cistern, and 0 pond were 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.

Match Line
Page 2

Tag	Bearing	Dist.	Description
L1	N 74°21' E	2,670.7'	5/8" Iron rebar
L2	S 71°07' E	2,611.2'	47-041-02839
L3	S 59°56' E	3,503.9'	5/8" Iron rebar
L4	S 34°24' W	1,876.0'	47-041-02809
L5	S 13°06' E	478.2'	Landing Point

FILE NO: 170-12-30-FC-22

DRAWING NO: Van Wie 1221 S-8H ST01 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: September 15 20 25

OPERATOR'S WELL NO. Van Wie 1221 S-8H ST01

API WELL NO

47 - 041 - 05767
STATE COUNTY PERMIT

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

LOCATION: ELEVATION: 1,251.77' WATERSHED: Fink Creek

DISTRICT: Freemans Creek

SURFACE OWNER: HG Energy II Appalachia, LLC, et al

ROYALTY OWNER: Joseph Krenn, et al

LEASE NO: ACREAGE: 245

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: 6,826' TVD
32,515' MD

WELL OPERATOR: HG Energy II Appalachia, LLC

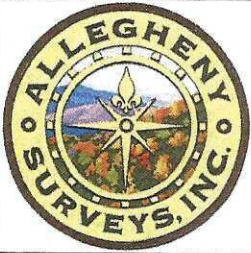
DESIGNATED AGENT: Diane C. White

ADDRESS: 5260 Dupont Road

ADDRESS: 5260 Dupont Road

Parkersburg, WV 26101

Parkersburg, WV 26101

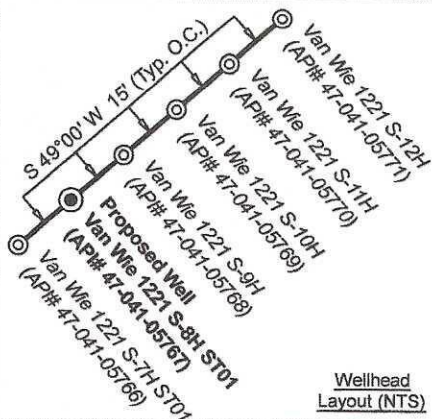


Well Location References
Not to Scale



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.)



West Virginia Coordinate System of 1927, North Zone based upon Differential GPS Measurements.		UTM Zone 17, NAD 1983	
Notes: Well No. Van Wie 1221 S-8H ST01 WVCS 1927, North Zone		Notes: Well No. Van Wie 1221 S-8H ST01 UTM NAD 1983 (USF)	
Top Hole Coordinates Lat: 39°05'40.21" Lon: 80°40'09.78"		Top Hole Coordinates N: 14,197,235.00' E: 1,734,268.60'	
Landing Point Coordinates Lat: 39°05'35.60" Lon: 80°40'08.42"		Landing Point Coordinates N: 14,196,769.26' E: 1,734,376.99'	
Bottom Hole Coordinates Lat: 39°01'45.95" Lon: 80°38'25.50"		Bottom Hole Coordinates N: 14,173,574.79' E: 1,742,580.49'	
Notes: Well No. Van Wie 1221 S-8H ST01 UTM NAD 1983 (Meters)		Notes: Well No. Van Wie 1221 S-8H ST01 UTM NAD 1983 (Meters)	
Top Hole Coordinates N: 4,327,325.883m E: 528,606.126m		Top Hole Coordinates N: 4,327,325.883m E: 528,606.126m	
Landing Point Coordinates N: 4,327,183.925m E: 528,639.164m		Landing Point Coordinates N: 4,327,183.925m E: 528,639.164m	
Bottom Hole Coordinates N: 4,320,114.236m E: 531,139.596m		Bottom Hole Coordinates N: 4,320,114.236m E: 531,139.596m	

FILE NO: 170-12-30-FC-22

DRAWING NO: Van Wie 1221 S-8H ST01 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: September 15 20 25

OPERATOR'S WELL NO. Van Wie 1221 S-8H ST01

API WELL NO

47 — 041 — 05767

STATE COUNTY PERMIT

WELL TYPE: ☐ OIL ☒ GAS ☐ LIQUID INJECTION ☐ WASTE DISPOSAL

(IF GAS) PRODUCTION: ☐ STORAGE ☐ DEEP ☒ SHALLOW

LOCATION: ELEVATION: 1,251.77' WATERSHED: Fink Creek

DISTRICT: Freemans Creek

SURFACE OWNER: HG Energy II Appalachia, LLC, et al

ROYALTY OWNER: Joseph Krenn, et al

QUADRANGLE: Vadis

COUNTY: Lewis

ACREAGE: 09/26/2025

LEASE NO: ACREAGE: 245

PROPOSED WORK: ☒ DRILL ☐ CONVERT ☐ DRILL DEEPER ☒ FRACTURE OR STIMULATE ☐ PLUG OFF OLD FORMATION

☒ PERFORATE NEW FORMATION ☐ OTHER PHYSICAL CHANGE IN WELL (SPECIFY)

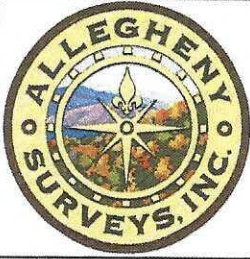
☐ PLUG AND ABANDON ☐ CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 8,826' TVD 32,515' MD

WELL OPERATOR: HG Energy II Appalachia, LLC

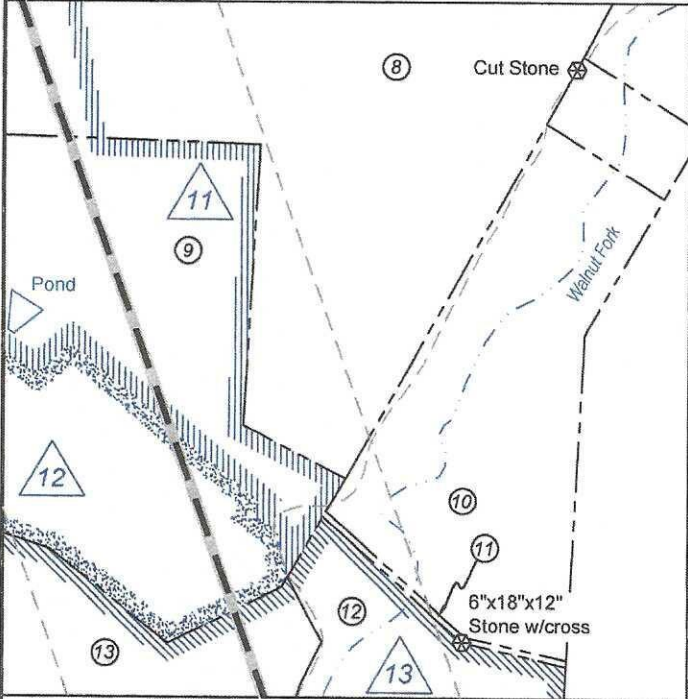
ADDRESS: 5260 Dupont Road Parkersburg, WV 26101

DESIGNATED AGENT: Diane C. White

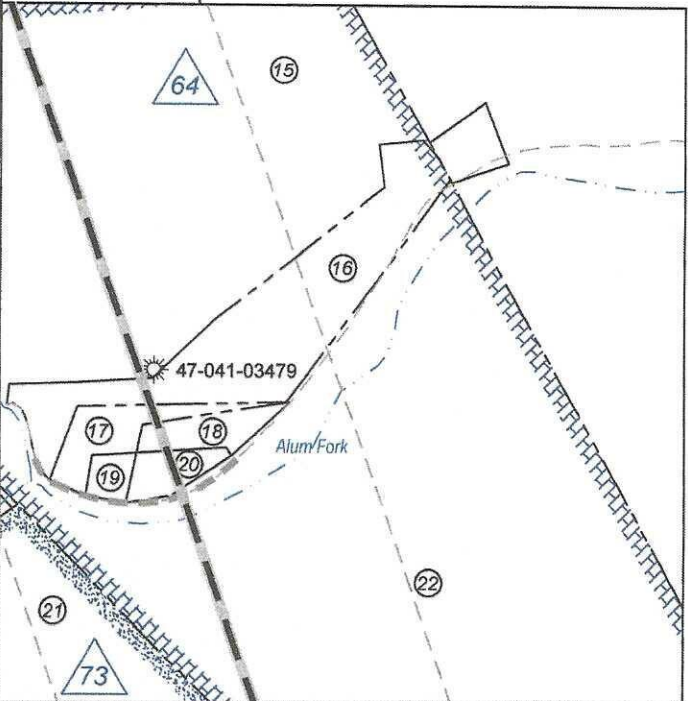
ADDRESS: 5260 Dupont Road Parkersburg, WV 26101



Detail 1 (1"=500')



Detail 2 (1"=500')



ID	Lease
6	Joseph Krenn, et ux
7	HG Energy II Appalachia, LLC
8	L.M.Reed, et ux
9	L.M.Reed, et ux
11	L.B. Gaston, et ux, et al
12	HG Energy II Appalachia, LLC
13	H.P. Queen, et ux, et al
51	Riverside Farm Livestock and Woodland, LLC
52	S.R. Harrison, Jr., et ux, et al
64	Marie S. Hinkle, et vir
73	Ryan C. Radtka
75	D.L. & Alice Moody, et al
76	Robert P. Phillips
78	O.V. & Sarah Rohr, et al
81	Frank A. Mertz, et al
82	John J. Kenney, et al
84	Mary M. Allman, et al
85	William H. Dean
TPK-1.2	State of WV, Department of Transportation

Lewis Co. (Freemans Creek Dist.)				
No.	TM / Par	Owner	Bk / Pg	Ac.
1	2D / 3	HG Energy II Appalachia, LLC	800 / 637	131.85
2	2D / 29	Anthony S. & Dawn H. VanWie	732 / 622	26.63
3	2D / 30	Anthony S. & Dawn H. VanWie	732 / 622	19.00
4	2D / 31	Anthony S. & Dawn H. VanWie	732 / 622	73.10
5	2D / 34	Anthony S. & Dawn H. VanWie	732 / 622	43.81
6	2D / 33	Anthony S. & Dawn H. VanWie	732 / 622	19.00
7	2D / 32	Arthur A. Ruble	544 / 536	58.00
8	2D / 35	Eugene C. Groah, Jr.	705 / 777	80.00
9	2E / 41.1	David B. Lang	717 / 614	72.75
10	2E / 41	Charles M. & Katie D. Groah	575 / 205	15.50
11	2E / 43.1	David B. Lang	662 / 726	0.25
12	2E / 45	Paul J. Groah & James C. Empoules	723 / 719	173.00
13	2E / 42	Elana D. Burnett, et al	W21 / 187	50.00
14	2E / 46	Emily M. & Carlton E. Jones, II	734 / 928	130.00
15	2E / 54	Emily M. & Carlton E. Jones, II	734 / 928	47.44
16	2E / 54.3	Emily M. & Carlton E. Jones, II	712 / 767	4.56
17	2E / 54.1	Carlton E. & Barbara L. Jones	439 / 563	1.29
18	2E / 54.2	Carlton E. & Barbara L. Jones	439 / 561	0.72
19	2E / 53	Emily M. & Carlton E. Jones, II	603 / 57	0.42
20	2E / 53.1	Carlton E. & Barbara L. Jones	439 / 557	0.58
21	2F / 109	John H. Winans	W49 / 61	20.00
22	2E / 52	John H. Winans	W49 / 61	45.00
23	2F / 61	Melene Moody & Kris Pares	774 / 600	62.00
24	2F / 62.4	David S. Rexroad	603 / 535	1.00
25	2F / 62	Pamela F. Coulbourne & Dean Fluharty	653 / 466	34.25
26	2F / 62.3	Pamela F. Coulbourne & Dean Fluharty	653 / 466	19.75
27	2F / 66	Jack B. & Melody J. Atchison	451 / 402	114.00
28	3F / 4	Maria Zemel & Robert A. Hughes	699 / 668	114.75
29	2F / 90	Richard & Ashley Detamore	663 / 403	75.00
30	3F / 7	Charles T. Raines, Sr. & Ada B. Raines	637 / 776	57.00
31	2F / 91	Richard & Ashley Detamore	663 / 403	52.76
32	3F / 5	Lynn Money Penny	465 / 514	21.00
33	3G / 1	John J. & Tonya S. Moran	550 / 439	28.44
34	3G / 3	Dana R. & Catherine Lattea	476 / 645	12.70
35	3G / 4	Denise A. Stonesifer & Anna C. Stonesifer	786 / 229	55.04
36	3G / 4.2	Alice A. Godfrey	W46 / 401	0.74
37	3G / 2	Rick Lawson	DR17 / 548	7.30
38	3G / 1.3	Ralph W. & Mary E. Stanton	550 / 420	19.53
39	3G / 11	David W. Aman	W46 / 30	78.00
40	3G / 17	Brian E. Stark	W54 / 483	86.00
41	3G / 1.4	John W. & Janice L. McCarty	550 / 431	87.96

FILE NO: 170-12-30-FC-22

DRAWING NO: Van Wie 1221 S-8H ST01 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: September 15 20 25

OPERATOR'S WELL NO. Van Wie 1221 S-8H ST01

API WELL NO

47 - 041 - 05767
STATE COUNTY PERMIT

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

LOCATION: ELEVATION: 1,251.77' WATERSHED: Fink Creek

DISTRICT: Freemans Creek

SURFACE OWNER: HG Energy II Appalachia, LLC, et al

ROYALTY OWNER: Joseph Krenn, et al

LEASE NO: ACREAGE: 245

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: 6,826' TVD 32.5' 5' 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



HG Energy, LLC
5260 Dupont Road
Parkersburg, WV 26101
(304) 420-1100 - Office
(304) 863-3172 - Fax

September 15, 2025

WV DEP
Division of Oil & Gas
Attn: Cragin Blevins
601 57th Street
Charleston, West Virginia 25304

RE: Van Wie 1221 S-8H Drill Permit Revision Request – (47-041-05767)
Freemans Creek District, Lewis County
West Virginia

Dear Mr. Blevins -

Per our discussions enclosed are revised forms (survey plat, mylar, WW-6B, well plans, and casing schematic,) and a check for expedited service for the 1221 S-8H well permit revision request. We ask for the permit to be modified to reflect the revised landing point and bottom hole location. The landing point has been adjusted as has the bottom hole location to reflect drilling a new lateral (offset) to the lost wellbore that was plugged back.

Please let me know if you have any questions or require additional information. I can be reached at (304) 420-1119 or dwhite@hgenergyllc.com.

Very truly yours,

Diane White

Diane C. White

Enclosures

cc: Ken Greynolds – WV DEP State Inspector

RECEIVED
Office of Oil and Gas
SEP 22 2025
WV Department of
Environmental Protection

09/26/2025