



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

Wednesday, September 17, 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-7H
47-041-05766-00-00

Change 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-7H
Farm Name: HG Energy II Appalachia, LLC
U.S. WELL NUMBER: 47-041-05766-00-00
Horizontal 6A New Drill
Date Modification Issued: 09/17/2025

Promoting a healthy environment.

09/19/2025

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

- 1) Well Operator: HG Energy II Appalachia, LLC 494519932 Lewis Freeman Vadis 7.5'
Operator ID County District Quadrangle
- 2) Operator's Well Number: Van Wie 1221 S-7H 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 ☒ Oil ☐ Underground Storage ☐
Other ☐
(b) If Gas Shallow ☒ Deep ☐
Horizontal ☒
- 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: 6,825'
- 9) Formation at Total Vertical Depth: Marcellus
- 10) Proposed Total Measured Depth: 32,508'
- 11) Proposed Horizontal Leg Length: 24,640'
- 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 ☒
- (a) If Yes, provide Mine Info: Name: _____
Depth: _____
Seam: _____
Owner: _____

CK # 052344
7500
9/5/2025

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Office of Oil and Gas
SEP 15 2025
WV Department of
Environmental Protection

WW-6B
(04/15)

API NO. 47- 041 - 05766
OPERATOR WELL NO. Van Wie 1221 S-7H 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	7533'	7533' ✓	40% Excess Tail, CTS
Production	5 1/2"	NEW	P-110 HP TXPWAG	23	32508'	32508' ✓	20% Excess Tail, CTS
Tubing							
Liners							

Kenneth Greynolds
Digitally signed by: Kenneth Greynolds
DN: CN = Kenneth Greynolds email = Kenneth.L.Greynolds@wv.gov C = AD O = WVDEP OU = Oil and Gas
Date: 2025.09.11 08:25:06 -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
Production	5 1/2"	8 1/2"	.415	16240	12500	Type 1/ClassA	20% excess yield = 1.15, tail yield 1.94
Tubing							
Liners							

PACKERS

Kind:				
Sizes:				
Depths Set:				

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SEP 15 2025
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Environmental Protection

WW-6B
(10/14)

API NO. 47- 041 - 05766

OPERATOR WELL NO. Van Wie 1221 S-7H ST01

Well Pad Name: Van Wie 1221

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 6825'. Drill horizontal leg to estimated 24,640' lateral length, 32,508' 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.

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 CaCl40% ExcessYield=1.20 / CTS"

Intermediate 1 - **** 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% Excess15.9 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"

Intermediate 2 - "Lead: 15.4 ppg PNE-1 + 2.5% bwoc CaCl40% 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"

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.

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SEP 15 2025
WV Department of
Environmental Protection

*Note: Attach additional sheets as needed.

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

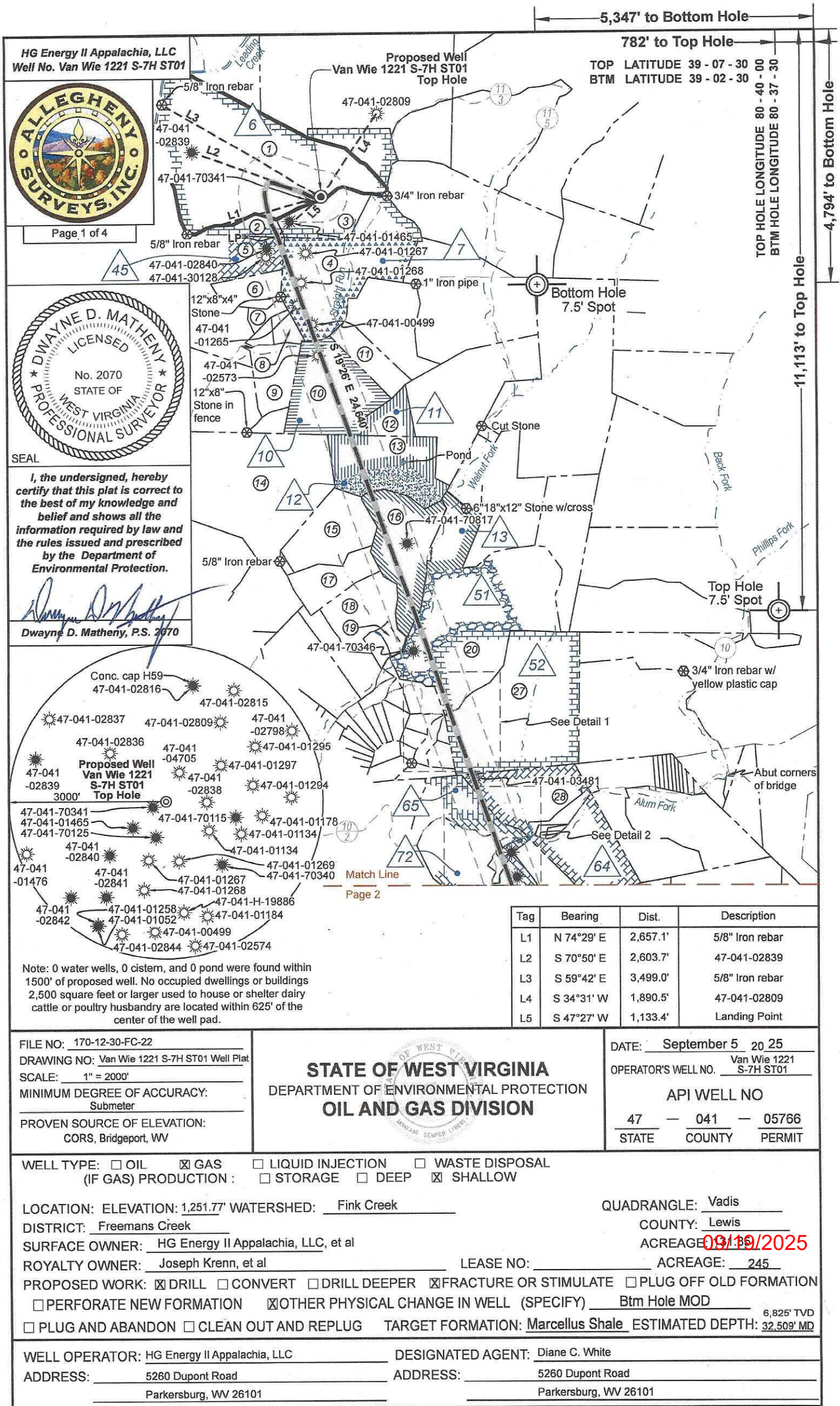
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WV Department of Environment & Natural Resources

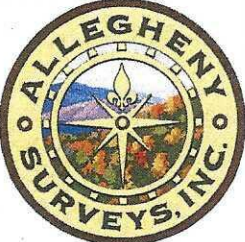
1221 S-7H ST01
Marcellus Shale Horizontal
Doddridge County, WV



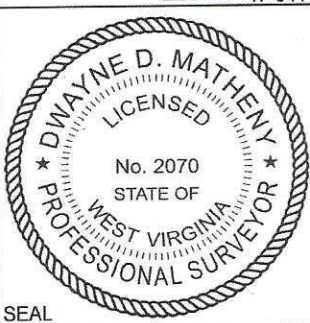
Ground Elevation			1251.77'			1221 S-7H ST01 SHL			14197225.17N 1734257.28E		
Azm			160.573°			1221 S-7H ST01 LP			14196458.87N 1733422.24E		
WELLBORE DIAGRAM			1221 S-7H ST01 BHL			14173232.38N 1741613.88E					
HOLE	CASING	GEOLOGY	TOP	BASE	MUD	CEMENT	CENTRALIZERS	CONDITIONING	COMMENTS		
30"	30" 157.5# 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		
		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		
26"	20" 94# J-55	Fresh Water Protection	0	1225	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		
		Little Lime	2167	2187							
		Big Lime	2216	2265							
		Injun / Gantz (Storage)	2265 / 2597	2361 / 2647							
17.5"	13-3/8" 68# J-55 BTC	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		
		Benson	5038	5072							
12.25"	9-5/8" 40# N / L-80 HC GBCD	Alexander	5324	5444	Whipstock Exit	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		
		Rhinestreet	6303	6591							
		Cashaqua	6591	6736							
		Middlesex	6736	6815							
		West River	6815	6884							
		Burkett	6884	6925							
		Tully Limestone	6925	6952							
Intermediate 2		0	TVD: 7025' MD: 7533' Inc: 68 deg.	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.						
Design Comment		MD (ft)	Inc (")						Az (")	TVD (ft)	
Exit WS/Rathole		7421.00	62.900	166.876	6961.01	11.5ppg-12.5ppg SOBM					
8.5" Curve	5-1/2" 23# P-110 HP TXP / W461									11.5ppg-12.5ppg SOBM	
8.5" Lateral		Hamilton	6952	7002	11.5ppg-12.5ppg SOBM						
		Marcellus	7002	7049							
		TMD / TVD (Production)	32508	7035							
		Onondaga	7049								
LP @ 7035' TVD / 7868' MD			8.5" Hole - Cemented Long String 5-1/2" 23# P-110 HP TXP / W461			+/-24640' ft Lateral			TD @ +/-6825' TVD +/-32508' MD		
									X=centralizers		



HG Energy II Appalachia, LLC
Well No. Van Wie 1221 S-7H ST01

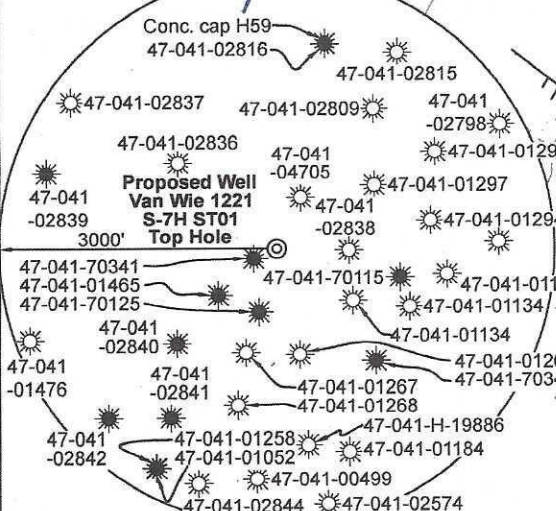


Page 1 of 4



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.

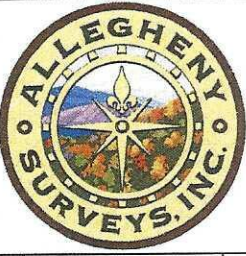
Tag	Bearing	Dist.	Description
L1	N 74°29' E	2,657.1'	5/8" Iron rebar
L2	S 70°50' E	2,603.7'	47-041-02839
L3	S 59°42' E	3,499.0'	5/8" Iron rebar
L4	S 34°31' W	1,890.5'	47-041-02809
L5	S 47°27' W	1,133.4'	Landing Point

FILE NO: 170-12-30-FC-22
DRAWING NO: Van Wie 1221 S-7H 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 5 20 25
OPERATOR'S WELL NO. Van Wie 1221 S-7H ST01
API WELL NO
47 - 041 - 05766
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) Btm Hole MOD
☐ PLUG AND ABANDON ☐ CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 32,509' 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

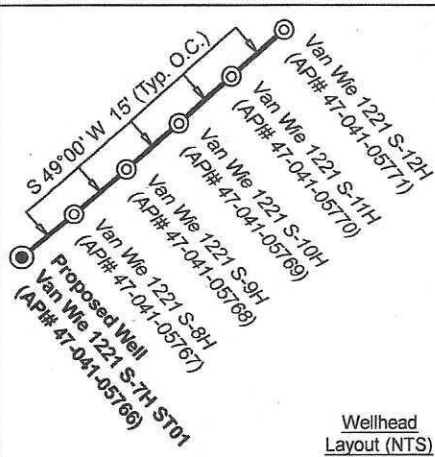


Well Location References
Not to Scale



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.)



Wellhead
Layout (NTS)

West Virginia Coordinate
System of 1927, North Zone
based upon Differential GPS
Measurements.

Notes: Well No.
Van Wie 1221 S-7H ST01
WVCS 1927, North Zone
Top Hole Coordinates
Lat: 39°05'40.12"
Lon: 80°40'09.92"
Landing Point Coordinates
Lat: 39°05'32.57"
Lon: 80°40'20.55"
Bottom Hole Coordinates
Lat: 39°01'42.60"
Lon: 80°38'37.78"

UTM Zone 17, NAD 1983

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.
Van Wie 1221 S-7H ST01
UTM NAD 1983 (USF)
Top Hole Coordinates
N: 14,197,225.17'
E: 1,734,257.28'
Landing Point Coordinates
N: 14,196,458.87'
E: 1,733,422.24'
Bottom Hole Coordinates
N: 14,173,232.38'
E: 1,741,613.88'

Notes: Well No.
Van Wie 1221 S-7H ST01
UTM NAD 1983 (Meters)
Top Hole Coordinates
N: 4,327,322.886m
E: 528,602.676m
Landing Point Coordinates
N: 4,327,089.318m
E: 528,348.155m
Bottom Hole Coordinates
N: 4,320,009.869m
E: 530,844.972m

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

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SCALE: 1" = 2000'

MINIMUM DEGREE OF ACCURACY:
Submeter

PROVEN SOURCE OF ELEVATION:
CORS, Bridgeport, WV

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DEPARTMENT OF ENVIRONMENTAL PROTECTION
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(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

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

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

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WELL OPERATOR: HG Energy II Appalachia, LLC

DESIGNATED AGENT: Diane C. White

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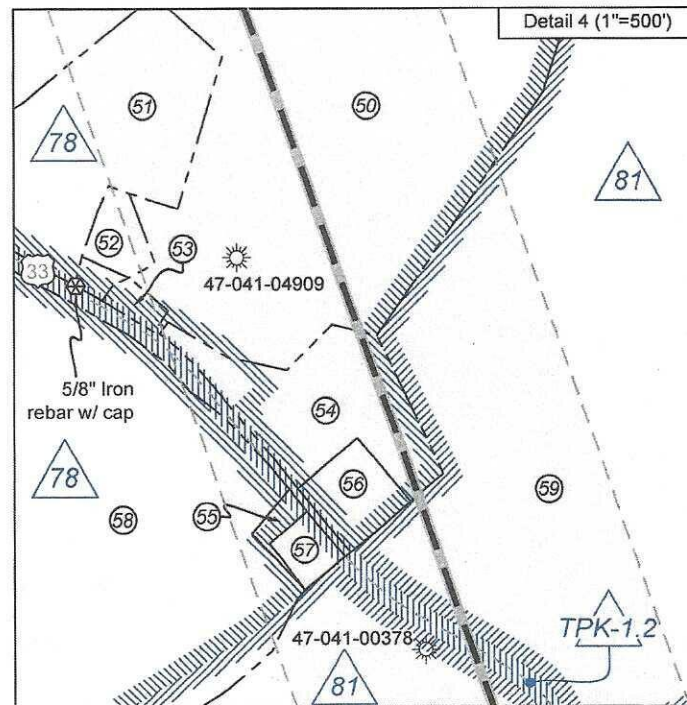
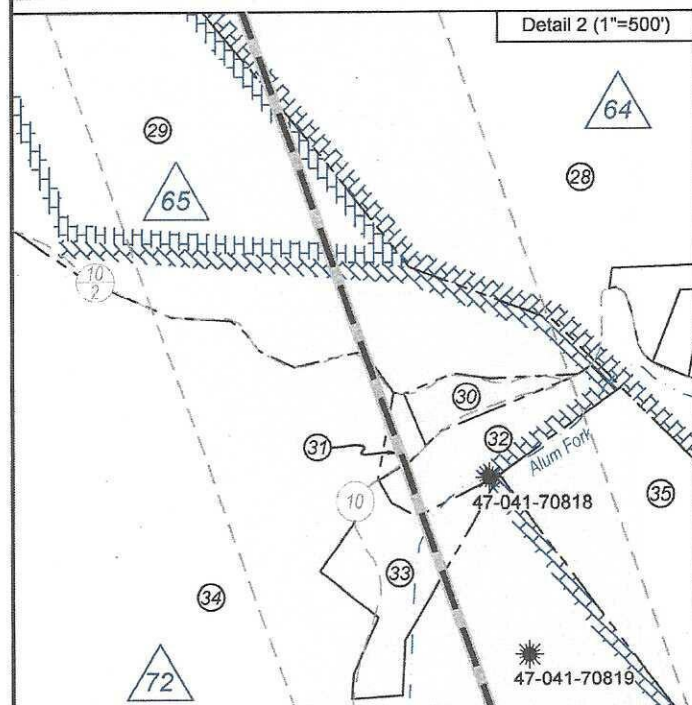
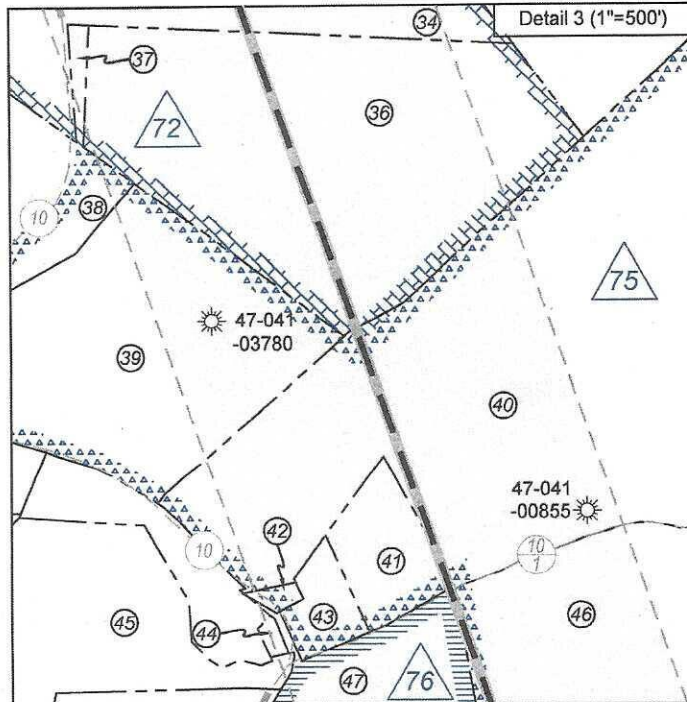
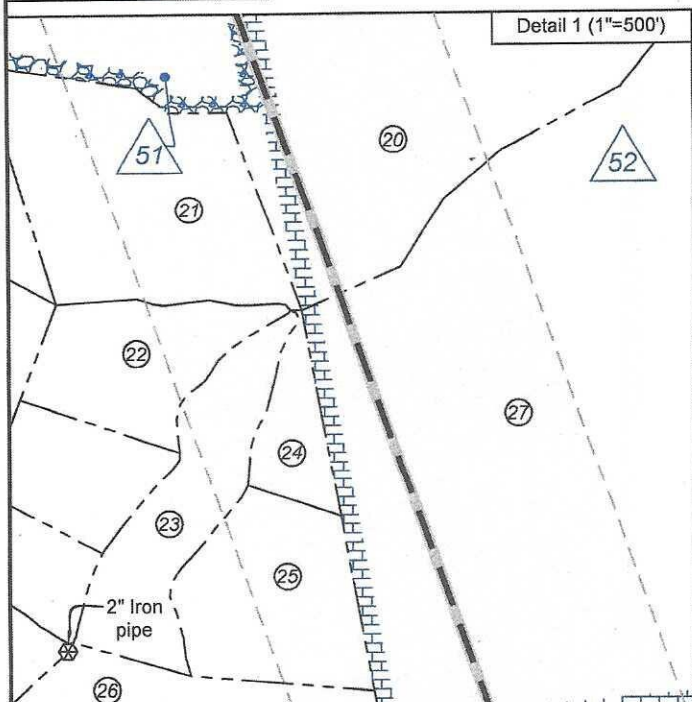
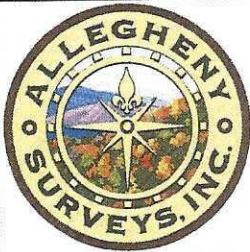
QUADRANGLE: Vadis

COUNTY: Lewis

ACREAGE: 09/19/2025

ACREAGE: 245

6,825' TVD



FILE NO: 170-12-30-FC-22
DRAWING NO: Van Wie 1221 S-7H ST01 Well Plat
SCALE: 1" = 2000'
MINIMUM DEGREE OF ACCURACY:
Submeter
PROVEN SOURCE OF ELEVATION:
CORS, Bridgeport, WV

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DEPARTMENT OF ENVIRONMENTAL PROTECTION
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LEASE NO: ACREAGE: 245

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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



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 / 28	Donna Davidovich & Cheryl Casey	349 / 280	9.75
3	2D / 29	Anthony S. & Dawn H. VanWie	732 / 622	26.63
4	2D / 31	Anthony S. & Dawn H. VanWie	732 / 622	73.10
5	2D / 26	M.P. & D.M. Davidovich	539 / 131	22.50
6	2D / 25	M.P. & D.M. Davidovich	539 / 131	16.00
7	2D / 19	M.P. & D.M. Davidovich	539 / 131	4.50
8	2D / 18.1	Anthony S. & Dawn H. VanWie	732 / 622	6.10
9	2D / 14.1	Earl R. Oney	668 / 318	23.86
10	2D / 32	Arthur A. Ruble	544 / 536	58.00
11	2D / 33	Anthony S. & Dawn H. VanWie	732 / 622	19.00
12	2E / 41	Charles M. & Katie D. Groah	575 / 205	15.50
13	2E / 41.1	David B. Lang	717 / 614	72.75
14	2E / 39	Carl G. White, III, et al	544 / 734	126.50
15	2E / 40	Kevin Finneyfrock	620 / 774	40.00
16	2E / 42	Elana D. Burnett, et al	W21 / 187	50.00
17	2E / 36	Kevin Finneyfrock	620 / 774	25.00
18	2E / 35	Kevin Finneyfrock	620 / 774	40.00
19	2E / 35.1	Kevin Finneyfrock	620 / 774	4.14
20	2E / 45	Paul J. Groah & James C. Empoules	723 / 719	173.00
21	2E / 31.1	Craig T. Pospech, et al	FID / 652	10.00
22	2E / 31.19	Jeri L. Pospech	670 / 613	3.90
23	2E / 31.24	Jeri L. Pospech	670 / 613	4.74
24	2E / 31	Michael R. Bryant	537 / 178	2.10
25	2E / 31.25	Michael R. Bryant	537 / 178	4.98
26	2E / 31.23	Jeri L. Pospech	670 / 613	4.74
27	2E / 46	Emily M. & Carlton E. Jones, II	734 / 928	130.00
28	2E / 54	Emily M. & Carlton E. Jones, II	734 / 928	47.44
29	2E / 47	Edward Labbe	336 / 239	30.00
30	2F / 108	Edward Labbe	716 / 313	1.23
31	2F / 107	Leisha A. Hitt	W51 / 662	0.31
32	2F / 106	Thomas J. Alkire	W4 / 302	2.13
33	2F / 111	Thomas J. Alkire	W4 / 302	4.67
34	2F / 115	We-R-Farmers, LLC	727 / 856	59.70
35	2F / 109	John H. Winans	W49 / 61	20.00
36	2F / 57	Stephen A. & Rita F. Brumley	545 / 209	16.75
37	2F / 102	Stephen A. & Rita F. Brumley	545 / 209	0.30
38	2F / 52	Darius & Toby Lattea	710 / 489	27.50
39	2F / 59	Stephen A. & Rita F. Brumley	545 / 209	10.00
40	2F / 62	Pamela Coulbourne & Dean Fluharty	653 / 466	34.25
41	2F / 62.5	Thomas & Paige Gray	753 / 199	2.00
42	2F / 63	Jack & Regina Bowles	671 / 265	0.25
43	2F / 62.1	Eric & Judith A. Jerden	697 / 332	3.00
44	2F / 64	Gary L. Cool & Catherine S. Turner	598 / 134	0.11
45	2F / 44.5	Ronald E. Butler	716 / 582	20.00
46	2F / 62.3	Pamela Coulbourne & Dean Fluharty	653 / 466	19.75
47	2F / 66	Jack B. & Melody J. Atchison	451 / 402	114.00
48	2F / 90	Richard & Ashley Detamore	663 / 403	75.00
49	2F / 89	Andrew & Katrina Ratliff	767 / 768	72.55
50	2F / 91	Richard & Ashley Detamore	663 / 403	52.76
51	2F / 91.5	Andrew & Ella J. Potter	650 / 182	6.41
52	2F / 91.3	Tim Adkins	W48 / 825	0.63
53	2F / 96	Tim Adkins	W48 / 825	0.30
54	2G / 65	Brandon Adkins	W48 / 825	3.66
55	2G / 47	Lynn & Lola I. Moneypenny	514 / 361	0.22
56	2G / 58	Gary L. Wiant	591 / 22	1.06
57	2G / 48	Lynn & Lola I. Moneypenny	514 / 361	0.50
58	2F / 91.1	Carl Jay Ratliff	758 / 18	69.78
59	3F / 5	Lynn Moneypenny	465 / 514	96.50
60	3G / 1	John J. & Tonya S. Moran	550 / 439	28.44
61	3G / 1.1	Janice L. McCarty & John Wayne	611 / 14	1.50
62	3G / 1.4	Janice L. McCarty & John Wayne	550 / 431	87.96
63	3G / 1.3	Mary & Ralph W. Stanton	550 / 420	19.53
64	2G / 52	Thomas P. & Sandra J. Virden	364 / 466	157.99
65	3G / 18	John M. Stark	W52 / 425	187.00

ID	Lease
6	Joseph Krenn, et ux
7	HG Energy II Appalachia, LLC
10	M.C. Marsh, et al
11	L.B. Gaston, et ux, et al
12	HG Energy II Appalachia, LLC
13	H.P. Queen, et ux, et al
45	HG Energy II Appalachia, LLC
51	Riverside Farm Livestock and Woodland, LLC
52	S.R. Harrison, Jr., et ux, et al
64	Marie S. Hinkle, et vir
65	Ed Broome, Inc.
72	Morris Mountaineer Oil & Gas, LLC
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
TPK-1.2	State of WV, Department of Transportation

FILE NO: 170-12-30-FC-22
 DRAWING NO: Van Wie 1221 S-7H ST01 Well Plat
 SCALE: 1" = 2000'
 MINIMUM DEGREE OF ACCURACY:
 Submeter
 PROVEN SOURCE OF ELEVATION:
 CORS, Bridgeport, WV

DATE: September 5, 2025
 OPERATOR'S WELL NO. Van Wie 1221 S-7H ST01
 API WELL NO.
 47 — 041 — 05766
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
 DEPARTMENT OF ENVIRONMENTAL PROTECTION
 OIL AND GAS DIVISION

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) Btm Hole MOD 6,825' TVD
☐ PLUG AND ABANDON ☐ CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 32,509' MD

QUADRANGLE: Vadis
 COUNTY: Lewis
 ACREAGE: 0.19/19/2025

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



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

September 3, 2025

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

RE: Van Wie 1221 S-7H Drill Permit Revision Request – (47-041-05766)
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-7H 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 15 2025
WV Department of
Environmental Protection

09/19/2025