

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, August 17, 2022 WELL WORK PERMIT Horizontal 6A / New Drill

HG ENERGY II APPALACHIA, LLC 5260 DUPONT ROAD PARKERSBURG, WV 26101

Re: Permit approval for Vaneck 1215 N-1H 47-041-05732-00-00

This well work permit is evidence of permission granted to perform the specified well work at the location described on the attached pages and located on the attached plat, subject to the provisions of Chapter 22 of the West Virginia Code of 1931, as amended, and all rules and regulations promulgated thereunder, and to any additional specific conditions and provisions outlined in the pages attached hereto. Notification shall be given by the operator to the Oil and Gas Inspector at least 24 hours prior to the construction of roads, locations, and/or pits for any permitted work. In addition, the well operator shall notify the same inspector 24 hours before any actual well work is commenced and prior to running and cementing casing. Spills or emergency discharges must be promptly reported by the operator to 1-800-642-3074 and to the Oil and Gas Inspector.

Please be advised that form WR-35, Well Operators Report of Well Work is to be submitted to this office within 90 days of completion of permitted well work, as should form WR-34 Discharge Monitoring Report within 30 days of discharge of pits, if applicable. Failure to abide by all statutory and regulatory provisions governing all duties and operations hereunder may result in suspension or revocation of this permit and, in addition, may result in civil and/or criminal penalties being imposed upon the operators.

Per 35 CSR 4-5.2.g this permit will expire in two (2) years from the issue date unless 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: Vaneck 1215 N-1H Farm Name: HG ENERGY II APPALACHI U.S. WELL NUMBER: 47-041-05732-00-00 Horizontal 6A Date Issued: 8/17/2022

Promoting a healthy environment,

PERMIT CONDITIONS

West Virginia Code § 22-6A-8(d) allows the Office of Oil and Gas to place specific conditions upon this permit. Permit conditions have the same effect as law. <u>Failure to adhere to the specified permit</u> conditions may result in enforcement action.

CONDITIONS

- This proposed activity may require permit coverage from the United States Army Corps of Engineers (USACE). Through this permit, you are hereby being advised to consult with USACE regarding this proposed activity.
- 2. If the operator encounters an unanticipated void, or an anticipated void at an unanticipated depth, the operator shall notify the inspector within 24 hours. Modifications to the casing program may be necessary to comply bottom of the void, and installing a minimum of twenty (20) feet of casing. Under no circumstance should (20) feet of casing below the bottom of the void.
- 3. When compacting fills, each lift before compaction shall not be more than 12 inches in height, and the moisture content of the fill material shall be within limits as determined by the Standard Proctor Density test of the actual soils used in specific engineered fill, ASTM D698, Standard Test Method for Laboratory density. Each lift shall be tested for compaction, with a minimum of two tests per lift per acre of fill. All test results shall be maintained on site and available for review.
- 4. Operator shall install signage per § 22-6A-8g (6) (B) at all source water locations included in their approved water management plan within 24 hours of water management plan activation.
- 5. Oil and gas water supply wells will be registered with the Office of Oil and Gas and all such wells will be constructed and plugged in accordance with the standards of the Bureau for Public Health set forth in its Legislative rule entitled Water Well Regulations, 64 C.S.R. 19. Operator is to contact the Bureau of Public owner upon agreement of the parties. All drinking water wells within fifteen hundred feet of the water supply supply well.
- 6. Pursuant to the requirements pertaining to the sampling of domestic water supply wells/springs the operator shall, no later than thirty (30) days after receipt of analytical data provide a written copy to the Chief and any of the users who may have requested such analyses.
- 7. 24 hours prior to the initiation of the completion process the operator shall notify the Chief or his designee.
- During the completion process the operator shall monitor annular pressures and report any anomaly noticed to the chief or his designee immediately.
- 9. If any explosion or other accident causing loss of life or serious personal injury cours in or about a well or well work on a well, the well operator or its contractor shall give notice, stating the particulars of the explosion or accident, to the oil and gas inspector and the Chief, within 24 hours of said accident.
- 10. During the casing and comenting process, in the event coment does not return to the surface, the oil and gas inspector shall be notified within 24 hours.

API Number:

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PERMIT CONDITIONS

11. The operator shall provide to the Office of Oil and Gas the datas of each of the following within 30 days of their occurrence: completion of construction of the well pad, commencement of drilling, cessation of drilling, completion of any other permitted well work, and completion of the well. Such notice shall be provided by sending an email to DEPOOGNotify@wv.gov.

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WW-6B (04/15) API NO. 47-____

OPERATOR WELL NO. Vaneck 1215 N-1H Well Pad Name: Vaneck 1215

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

1) Well Operator: Ho	G Energy II Appalachia,	494519932	Lewis	Freeman	Camden 7.5'
i) wen operatori _		Operator ID	County	District (Quadrangle
2) Operator's Well Nu	umber: Vaneck 1215 N-1	H Well	Pad Name: Va	neck 1215	
3) Farm Name/Surfac	e Owner: HG Energy II Appala	achia, LLC Public R	Road Access: _	Mare Run Rd a	t CR 10 / 9
4) Elevation, current	ground: 1259'	Elevation, propos	ed post-constru	iction: 1254.8'	
5) Well Type (a) Ga Other	as <u>x</u> Oil		nderground Sto		,
(b)If	Gas Shallow x	Deep			7DW G13012022
6) Existing Pad: Yes					G 13012022
7) Proposed Target Fo	ormation(s), Depth(s), Ant 6803' and 50' in thickness.			l Pressure(s):	
8) Proposed Total Ver	rtical Depth: 6,790' <				
9) Formation at Total		lus -			
10) Proposed Total M	leasured Depth: 23,000	יכ			
11) Proposed Horizon	tal Leg Length: 14,58	5'			
12) Approximate Fres	sh Water Strata Depths:	60', 214', 600	', 861' ~		
13) Method to Determ14) Approximate Salt	nine Fresh Water Depths: water Depths:1605'	Nearest offset we	ell data, (47-04	1-02173, 0693,	0236, 2308, 0578)
15) Approximate Coa	1 Seam Depths: 272', 700',	1040', 1150' (Surface	casing is being ex	xtended to cover th	e coal in the DTI Field)
	th to Possible Void (coal i				
*	ell location contain coal se adjacent to an active mine			No X	
(a) If Yes, provide N	Aine Info: Name:				
	Depth:				RECEIVED
	Seam:			C	1111 8 2022
	Owner:			10	100
				En	Aronimental Protection

4704105732 API NO. 47-

OPERATOR WELL NO. Vaneck 1215 N-1H Well Pad Name: Vaneck 1215

WW-6B (04/15)

18)

CASING AND TUBING PROGRAM

TYPE	Size (in)	<u>New</u> <u>or</u> Used	Grade	<u>Weight per ft.</u> <u>(lb/ft)</u>	<u>FOOTAGE: For</u> <u>Drilling (ft)</u>	INTERVALS: Left in Well (ft)	<u>CEMENT:</u> <u>Fill-up</u> (Cu. Ft.)/CTS
Conductor	30"	New	LS	157.5	120'	120'	CTS
Fresh Water/Coal	20"	NEW	J-55	94	1200'	1200' /	40% Excess, CTS
Intermediate 1	13 3/8"	NEW	J-55 BTC	68	2250'	2250' 🦯	40% Excess, CTS
Intermediate 2	9 5/8"	NEW	N-80 BTC	40	4780'	4780' /	40% Excess Tail, CTS
Production	5 1/2"	NEW	P-110 HP	23	23000'	23000' 🦯	20% Excess Tail, CTS
Tubing						1.	
Liners			1				

ТҮРЕ	Size (in)	<u>Wellbore</u> <u>Diameter (in)</u>	<u>Wall</u> <u>Thickness</u> <u>(in)</u>	Burst Pressure (psi)	<u>Anticipated</u> <u>Max. Internal</u> <u>Pressure (psi)</u>	<u>Cement</u> <u>Type</u>	<u>Cement</u> <u>Yield</u> (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, GTS
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	111	Type 1/Class A	Lead 40% excess, Tall 0% Excess Lea
Production	5 1/2"	8 1/2"	.415	16240	12500	Type 1/ClassA	20% excess yield = 1.19, tail yield 1.94,
Tubing					1		
Liners							

PACKERS

Kind:			-
Sizes:	-		RECEIVED Offer of Oil and Ga
Depths Set:			JUL 8 2022

WV Department of Environmental Protection

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WW-6B (10/14)

API NO. 47-OPERATOR WELL NO. Vaneck 1215 N-1H Well Pad Name: Vaneck 1215

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 6790'. Drill horizontal leg to estimated 14,585' lateral length, 23,000' 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): 22.55 acres

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

23) Describe centralizer placement for each casing string:

ers will be used with conductor casing. ed every 3 joints to surfa

ate 1 - Bow Spring on every joint, will also be running ACP for I

a 2 - Bow Spring on first 2 joints then every third joint to 100' from surfac a the 1st 5.5" long joint to the lop of th

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% dwoc Cacladus Excess riada 1.20 / 013
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)34.46 - 0.5% BWOB Fluid Loss / D013 - 0.75% BWOB Relater / D47 - 0.02 gal / sack VBWOB Anti Feam / D202 - 0.15% BWOB Dispersant / D095 1.5 lb per BBL CemVET* - 05% Excess 1.9 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 Relater / D47 - 0.02 gal / sack Anti Feam / D014 - 0.03 gal / sack Relater - 0.6 Storage 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 Relater / D47 - 0.02 gal / sack Anti Feam / D014 - 0.03 gal / sack Relater - 0.03 gal / sack Relater - 0.5% BWOB GasBLOK* / D013 - 0.3% BWOB Relater / D47 - 0.02 gal / sack
Intermediate 2 - "Lead: 15.4 ppg PNE-1 + 2.5% brooc CaCHo% Excess / Tail: 15.9 ppg PNE-1 + 2.5% brooc CaCH zero% Excess. CTS"
Production _ 1 and 14 5 mm POZ-PNE-1 + 0.3% broc R3 + 1% broc EC1 + 0.75 cal/sk FP13L + 0.3% broc MPA170Tail: 14.8 pog PNE-1 + 0.35% broc R3 + 0.75 gal/sk FP13L + 50% broc ASCA1 + 0.5% broc MPA17020% ExcessLead Yield=1.19Tail Yield=1.94CTS*

25) Proposed borehole conditioning procedures:

tor - Fosure the bole is clean at TD FECEIVED Office of Oil and Gas e 1 - Once casing is at setting depth, Ci ate 2 - Once casing is at setting depth. Circulate and condi on mud at TD. Cit n - Once on hottom/TD with casing, circulate at max all 8 2022 JUL WV Department of Environmental Protection

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*Note: Attach additional sheets as needed.

4704105732 RECEIVED Office of Oil and Gas

JUL 8 2022

HG Energy II Appalachia, LLC Vaneck 1215 Well Pad (N-1H - N6H, S7H - S12H)

Cement Additives

www.Department.of

Material Name	Material Type	Material Description Premium NE-1 is a	CAS#	% Environ	Department of mental Protection [CAS number
		portland cement with	Ingredient name Portland cement	90 - 100	65997-15-1
		early compressive	Calcium oxide	1-5	1305-78-8 1309-48-4
and the second		strength properties.	Magnesium oxide Crystalline silica: Quartz (SiO2)	0.1 - 1	14808-60-7
emium NE-1	Portland Cement				
		Commonly called gel, it is	Ingredient name	%	CAS number
		a clay material used as a cement extender and to	bentonité	90 - 100	1302-78-9
		comment extender and to control excessive free	Crystalline silica: Quartz (SiO2)	5 - 10	14808-60-7
		water.			
entonite	Extender				
		A powdered, flaked or	Is an direct many	°%	CAS number
		pelletized material used	Ingredient name Calcium chloride	90 - 100	10043-52-4
		to decrease thickening time and increase the rate			and the second
		of strength development			
icium Chloride	Accelerator				
		Graded (3/8 to 3/4 inch)	Ingredient name	%	CAS number
		cellophane flakes used as	No hazardous ingredient		
11. EL 1		a lost circulation material.			
ello Flake	Lost Circulation				
		FP-13L is a clear liquid			
		organic phosphate antifoaming agent used in			
		cementing operations. It	Ingredient name	%	CAS number
		is very effective	Tributyl phosphate	90 - 100	126-73-8
		minimizing air			
		entrapment and preventing foaming			
		tendencies of latex			
		systems.			
P-13L	Foam Preventer				
		Used to retard cement	Ingredient name	%	CAS number
ranulated Sugar	Retarder	returns at surface.	Sucrose	90 - 100	57-50-1
	And Conception	A proprietary product			
		that provides expansive			
		properties and improves bonding at low to	Ingredient name	%	CAS number
		moderate	Calcium magnésium oxide	90 - 100	37247-91-9
		temperatures.	The states and the second s	The second secon	
C-1		Multi-purpose polymer			
		additive used to control	Ingredient name	%	CAS number
		free fluid, fluid loss,	No hazardous ingredient	78	GAS number
1PA-170	Gas Migration	rheology, and gas migration.			
MF M-170	Gas Migration	HIRISTOR.			
		A synthetic pozzolan,			
		(primarily Silicon Dioxide).			
		When blended with cement, Pozzolan can be			
		used to create	Ingredient name	%	CAS number
		lightweight cement	Crystalline silica: Quartz (SiO2) Calcium oxide	5 - 10 1 - 5	14808-60-7 1305-78-8
		slurries used as either a filler slurre or a sulfate			1
		filler slurry or a sulfate resistant completion			
		cement.			
oz (Fly Ash)	Base				
		A low temperature			
		retarder used in a wide	Ingredient name	%	CAS number
		range of slurry	Organic acid salt	40 - 50	Trade secret.
		formulations to extend	La Tar A Har And		Contra Contra
-3	Retarder	the slurry thickening time.			
			Ingredient name	%	CAS number
			2-Butoxyethanol Proprietary surfactant	20 - 30	111-76-2 Trade secret.
		Used to water wet casing	D-Glucopyranose, oligomeric, C10-16-alkyl glycosides	5 - 10	110615-47-9
		and formation to facilitate	Alkylarylsulfonate amine salt Polyoxyalkylenes	1-5	Trade secret. Trade secret.
s-5	Surfactant	cement bonding.	Folyoxyalkylenes		TIQUE SECTEL.

15. B1	persant / D095 1.5 lb per BBL CemNET* - 6) ppg Tail - Yield 1.17 - D896 Surface Set 1 0A - 0.15% BWOB Dispersant / B547 - 0.3)1 - 0.03 gal / sack Ratarder - 0% Excess	00 lb / sack (Mix	of Class A and BLOK* / D013 -	Gypsum to meet Dominior 0.3% BWOB Retarder / D	n Requirements) 2047 – 0.02 gal / sac			1215 N-1H Marcellus Shale Horizontal Lewis County, WV				
						1215 N	-1H SHI	-	14	205518.98N 17686	62.82E	
	Ground Elevation		1254.8	3'		1215 N	1-1H LP		14	205051.61N 17656	65.35E	
1	Azm		340.53	9°		1215 N	-1H BHI	L.	14	218797.84N 17608	07.95E	
E	WELLBORE DIAGRAM	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" wa (hickness	
-35				Fresh Water	0	214, 600, 861		15.6 ppg PNE-1 + 3%	Sec. 25.	Once casing is at setting depth, circulate a minimum	Surface casing = 0.438" wa	
1	x	26"	20" 94# J-55	Kittaning Coal	900	905	AIR	bwoc CaCl 40% Excess	Centralized every 3 joints to surface	of one hole volume with	thickness	
	x		94# 9-99	Fresh Water Protection	0	1200		Yield=1.20 / CTS	Juina la aunace	Fresh Water prior to pumping cement.	Burst=2110 psi	
				Little Lime	1694	1714	1.7.1.1	See above (LEFT) for	Bow Spring on every	Once casing is at setting	100 10 100 m	
			13-3/8" 68#	Big Lime	1741	1818	AIR / KCL	Storage String Cement Blend to Meet DTI Requirements for Gas Storage Field Isolation		depth, Circulate and condition at TD. Circulate a minimum of one hole volume prior to pumping	Intermediate casing = 0.480" wall thickness Burst=3450 psi	
	X	17.5"	J-55 BTC	Injun / Gantz (Storage)	1818 / 2073	1904 / 2125	Salt Polymer					
				Intermediate 1	0	2250				cement.		
g 2022 threat of the transferration			Thirty Foot	2274	2286	7	10. 10.					
	HO			Gordon Stray / Gordon	2320 / 2346	2336 / 2446	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	Bow Spring on first 2 joints then every third			
	ect			5th Sand	2590	2612				Once casing is at setting	in a con	
	X	and a second	9-5/8" 40#	Bayard	2660	2675				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"	N-80 BTC	Speechley	3287	3301						
	1012		1.1			1						
				Benson	4572	4588 TVD: 4780'						
				Intermediate 2	0	MD: 5150' Inc: 39 deg.						
	×	1.0					AIR /		Run 1 spiral centralizer			
		8.75"				1	9.0ppg SOBM	Lead: 14.5 ppg POZ:PNE-1 + 0.3%	every 5 joints from the top of the curve to surface.			
				Rhinestreet	6125	6290	-	bwoc R3 + 1% bwoc EC1 + 0.75 gal/sk FP13L		Once on bottom/TD with		
				Cashagua	6290	6391		+ 0.3% bwoc MPA170		casing, circulate at max	Production casing = 0.415"	
	x		5-1/2"	Middlesex	6391	6425	14 5	Tail: 14.8 ppg PNE-1 + 0.35% bwoc R3 + 0.75	×	allowable pump rate for at least 2x bottoms up, or until	wall thickness	
		8.5" Curve	23# P-110 HP	West River	6425	6500	11.5ppg- 12.5ppg	gal/sk FP13L + 50%	1	returns and pump pressures indicate the hole is clean.	Burst=16240 psi Note:Actual centralizer	
			CDC HTQ	Burkett	6500	6535	SOBM	bwoc ASCA1 + 0.5% bwoc MPA170	Run 1 spiral centralizer every 3 joints from the	Circulate a minimum of one	schedules may be changed	
				Tully Limestone	6535	6625	1	20% Excess Lead Yield=1.19	1st 5.5" long joint to the	hole volume prior to pumping cement.	due to hole conditions	
				Hamilton	6625	6753		Tail Yield=1,94	top of the curve.	pumping cement.		
		1	1	Marcellus	6753	6803	11 5005	CTS				
		8.5" Lateral		TMD / TVD (Production)	23000	6789	11.5ppg- 12.5ppg SOBM			A		
	x			Onondaga	6803 -							
		X	Χ	X	X		X	Х	X	X	X	
	LP @ 678	9' TVD / 8415' MD			8.5" Hole - Cemen 5-1/2" 23# P-110				+/-145	85' ft Lateral	TD @ +/-6789' TVD +/-23000' MD	

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WW-9	1100102
(4/16)	API Number 47
	Operator's Well No. Vaneck 1215 N-1H
	OF WEST VIRGINIA
	ENVIRONMENTAL PROTECTION CE OF OIL AND GAS
FLUIDS/ CUTTINGS I	DISPOSAL & RECLAMATION PLAN
Operator Name_ HG Energy II Appalachia, LLC	OP Code 494501907
Watershed (HUC 10) Middle West Fork Creek	Quadrangle Camden 7.5'
Do you anticipate using more than 5,000 bbls of water to c	complete the proposed well work? Yes 🖌 No
Will a pit be used? Yes No 🗸	
If so, please describe anticipated pit waste: NA	
Will a synthetic liner be used in the pit? Yes	No 🖌 If so, what ml.?
Proposed Disposal Method For Treated Pit Waste	
Land Application	s: , SDW 6130/20
Underground Injection (UIC P	ermit Number)
Reuse (at API Number TBD - At	
 Off Site Disposal (Supply form 	WW-9 for disposal location)
Other (Explain	
/	
Will closed loop system be used? If so, describe: Yes, cutting	s and fluids will be collected in a closed loop system, re-used or hauled to an approved disposal site or landfill,
Drilling medium anticipated for this well (vertical and hori	izontal)? Air, freshwater, oil based, etc. Verlical - Air, Air/KCL, Air/SOBM, Horizontal - SOBM
-If oil based, what type? Synthetic, petroleum, etc	c. Synthetic
Additives to be used in drilling medium? Water, Soap, KCI,	, Barite, Base Oil, Wetting Agents
Drill cuttings disposal method? Leave in pit, landfill, remo	oved offsite, etc. Approved Landfill
-If left in pit and plan to solidify what medium wi	Il be used? (cement, lime, sawdust) NA
-Landfill or offsite name/permit number? See Atta	ached
B 1 1 1 1 1 1 1 1 0 00 000	

Permittee shall provide written notice to the Office of Oil and Gas of any load of drill cuttings or associated waste rejected at any West Virginia solid waste facility. The notice shall be provided within 24 hours of rejection and the permittee shall also disclose where it was properly disposed.

I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on August 1, 2005, by the Office of Oil and Gas of the West Virginia Department of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations of any term or condition of the general permit and/or other applicable law or regulation can lead to enforcement action.

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments thereto and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment.

Company Official Signature Diane White		RECEIVED
Company Official (Typed Name) Diane White		
Company Official Title Agent		JUL 8 2022
		nent of Protection
Subscribed and sworn before me this 27th day of June	, 20 22	1
CanidyBecdon	Notary Public	OFFICIAL SEAL
My commission expires 7312022		STATE OF WEST VIRGINIA NOTARY PUBLIC CASSIDY A. BOARDMAN 53087 A.99/2102122 26105 My Commission Expires July 31, 202

Cuttings Disposal/Site Water

Cuttings -- Haul off Company:

Eap Industries, Inc. DOT # 0876278 1875 Smith Two State Rd. Atlasburg, PA 15004 1-888-294-5227

Weste Management 200 Rangos Lana Washington, PA 15301 724-222-3272

Environmental Coordination Services & Recycling (ECS&R) 8287 US Highway 18 Cochranton, PA 16314 814-425-7778 ·

Disposal Locations:

Apex Environnemental, LLC Permit # 06-08438 11 County Road 78 Amsterdam, OH 48903 740-543-4889

Westmoreland Waste, LLC Permit # 100277 111 Conner Lane Belle Vernon, PA 15012 724-929-7694

Sycamore Landfill Inc. Permit #R80-079001 05-2010 4301 Sycamore Ridge Road Hurricane, WV 25526 304-562-2611

Max Environnemental Technologies, Inc. Facility Permit # PAD004835146 / 301071, 233 Max Lane Yukon, PA 25968 724-722-3500

Max Environnemental Technologies, Inc. Facility Permit # PAD05087072 / 201359 200 Max Drive Bulger, PA 15019 724-796-1571

Waste Management Kelly Run Permit # 100663 1901 Park Side Drive Elizabeth, PA 15087 412-384-7569

Waste Management South Hills (Arnoni) Permit # 100592 9100 Hill Road Library, PA 15129 724-348-7013 412-384-7569

Waste Management Arden Permit # 100172 200 Rangos Lane Washington, PA 15301 724-222-3272

Waste Management Meadowfill Permit # 1032 1488 Dawson Drive Bridgeport, WV 26380

Brooke County Landfill Permit # SWF-108-97 / WV 0109029 Rd 2 Box 410 Colliers, WV 26035 304-748-0014

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RECEIVED Office of Oil and Gas

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JUL 8 2022.

WV Department of Environmental Protection

Wetzel County Landfill Permit # SWF-1021-97 / WV 0109185 Rt 1 Box 156A New Martinsville, WV 26035 804-455-3800

Energy Solutions, LLC Permit # UT 2300249 423 West 300 South Suite 200 Salt Lake City, UT 84101

Energy Solutions Services, Inc. Permit # R-73006-L24 1560 Bear Creek Road Oak Ridge, TN 37830

Northern A-1 Environnemental Services Permit ID MID020906814 5947 US 131 North, PO Box 1030 Kalkaska, MI 49646 281-258-9961

Water Haul off Companies:

Dynamic Structures, Clear Creek DOT # 720485 8790 State Route 7 New Waterford, OH 44445 830-892-0164

Nabors Completion & Production Services Co. PO Box 975682 Dallas, TX 75397-5682

Select Energy Services, LLC FO Box 203997 Dallas, TX 75320-3997

Nuverra Environmental Solutions 11942 Veterans Memorial Highway Masontown, WV 26542

Mustang Olifield Services LLC PO Box 739 St. Clairsville, OH 43950

Wilson's Outdoor Services, LLC 456 Cracraft Road Washington, PA 15801

Disposal Locations:

Solidification Waste Management, Arden Landfill Permit # 100172 200 Rangos Lane Washington, PA 15301 724-225-1589

Solidification/Incineration Soil Remediation, Inc. Permit # 02-20758 6065 Arrel-Smith Road Lowelville, OH 44486 880-586-6825

Adams #1 (Buckeye Brine, LLC) Permit # 34-031-2-7177 23986 Airport Road Coshocton, OH 43812 740-575-4484 512-478-6545 CMS of Delaware Inc. DBA CMS Olifield Serv 301 Commerce Drive Moorestown, NJ 08057

Force, Inc. 1380 Rts. 286 Hwy. E, Sulte 803 Indiana, PA 15701

Solo Construction P.O. Box 544 St. Mary's, WV 26170

Equipment Transport 1 Tyler Court Carlisie, PA 17015

Myers Well Service, ____ 2001 Ballpark Court Export, PA 15682

Burns Drilling & Excavating 618 Crabappie Road P.O. Boy Wind Ridge, PA 16380

Nichlos 1-A (SWIW #18) Permit # 3862 300 Charrington Pkwy, Suite 200 Coraopolis, PA 15108 412-829-7275

Groselle (SWIW #34) Permit # 4096 Rt. 88 Garrettsville, OH 719-275-4816

Kemble 1-D Well Permit # 8780 7675 East Pike Norwich, Oh 48767 614-648-8898 740-796-6495 RECEIVED Office of Oil and Gas

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Adams #2 (Buckeye Brine, LLC) 2205 Westover Road Austin TX 78703 Permit # 34-031-2-7178 740-575-4484 612-478-6545

Adams #2 (Buckeye Brine, LLC) Permit #24-031-2-7241-00-00 2680 Exposition, Suite 117 Austin, TX 78703 512-478-6545

Mozena #1, Well (SWIW # 13) Permit # 34-157-2-5511-00-00 6367 E. State Street Newcomerstown, OH 43832 740-763-3366

Goff SWD #1 (SWIW # 27) Permit # 84-119-2-8776-000 300 Cherrington Pkwy, Suite 200 Coraopolis, PA 15108 412-829-7275

SOS D#1 (SWIW #12) Permit # 84-059-2-4202-00-00 Silcor Olifield Services, Inc. 2939 Hubbard Road Youngstown, PH 44505

Dudley #1 UIC (SWIW #1) Permit # 34-121-2-2459-00-00 Select Energy Services, LLC 7994 S. Pleasants Hwy St. Marys, WV 26170 804-665-2652

4704105732

OH UIC #1. Bu keye UIC Barnesville 1 & 2 CNX Gas Con_{**}any, LLC 1000 Consol Energy Drive Permit # 34-013-2-0609-00-00 Permit # 34-013-2-0614-00-00 304-323-6568

US Steele 11385 Permit # 47-001-00561 200 Evergreen Drive Waynesburg, PA 15730 804-828-6568

Chapin #7 UIC (SWIW #7) Permit # 84-083-2-4197-00-00 Eikhead Gas& Oil Company 12163 Marne Rd. NE Newark, OH 43055 740-763-3966

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HG Energy II Appala	achia, LLC			1.	70%	10	57	32
Proposed Revegetation Treatr	nent: Acres Disturbed	22.55	Prevegetatio	n pH	04	10	91	C. See
Lime	3 Tons/acre or to cor	rect to pH	6.5					
Fertilizer type 10-	20-20							
Fertilizer amount		500 lbs/	'acre					
Mulch Hay		2 Tons/ac	re					
		Seed	<u>Mixtures</u>					
Тег	nporary		Pe	rmanent				
Seed Type	lbs/acre		Seed Type		lbs/acı	e		
Tall Fescue 40			Tall Fescue		40			
Ladino Clover 5			Ladino Clover		5	1.7		
				-			_	
Maintain E&S contro	ols through the d	Irilling ar	nd completion proces	S			_	

Attach:

Maps(s) of road, location, pit and proposed area for land application (unless engineered plans including this info have been provided). If water from the pit will be land applied, include dimensions (L x W x D) of the pit, and dimensions (L x W), and area in acreage, of the land application area.

Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: SIDWardia

Comments: Pre-seed/mulch as soon as reasonably possible per regulation.

Upgrade E&S if needed per WV DEP E&S manual.

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JUL 8 2022

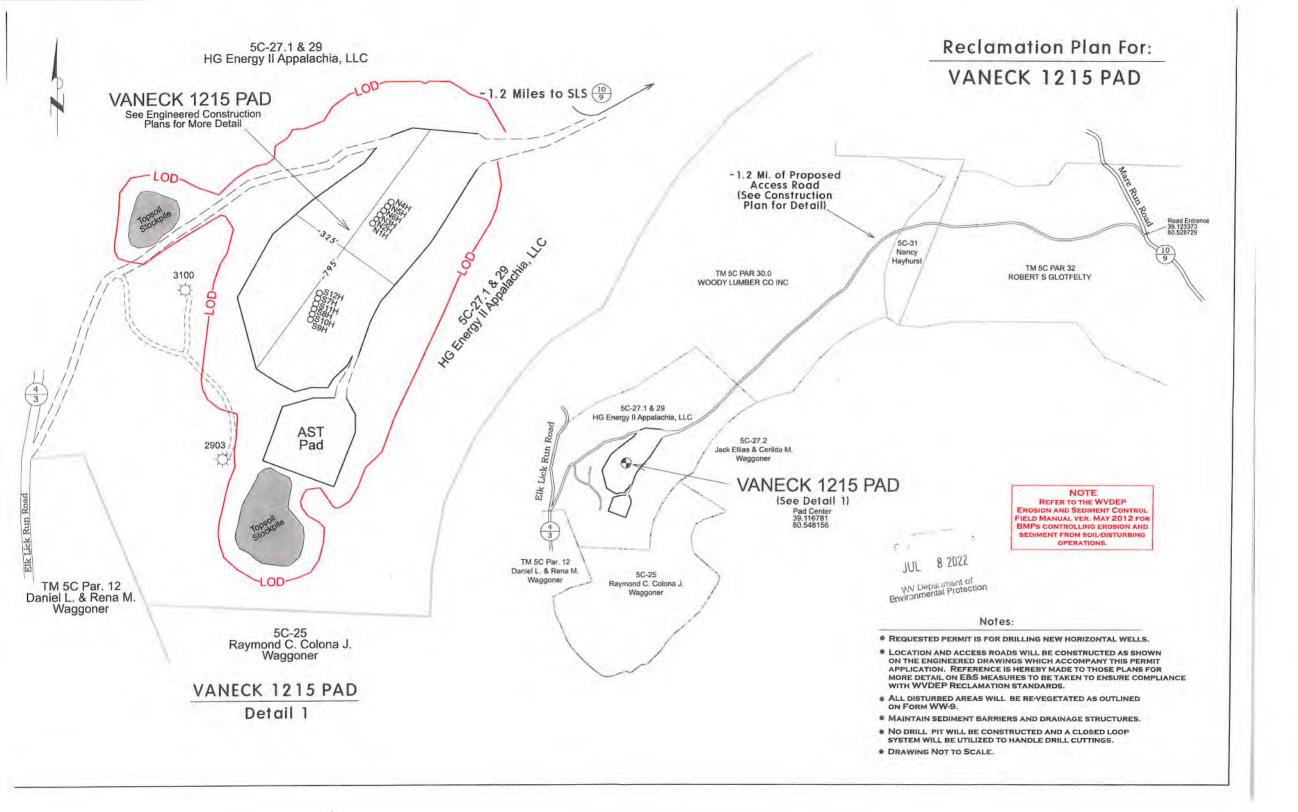
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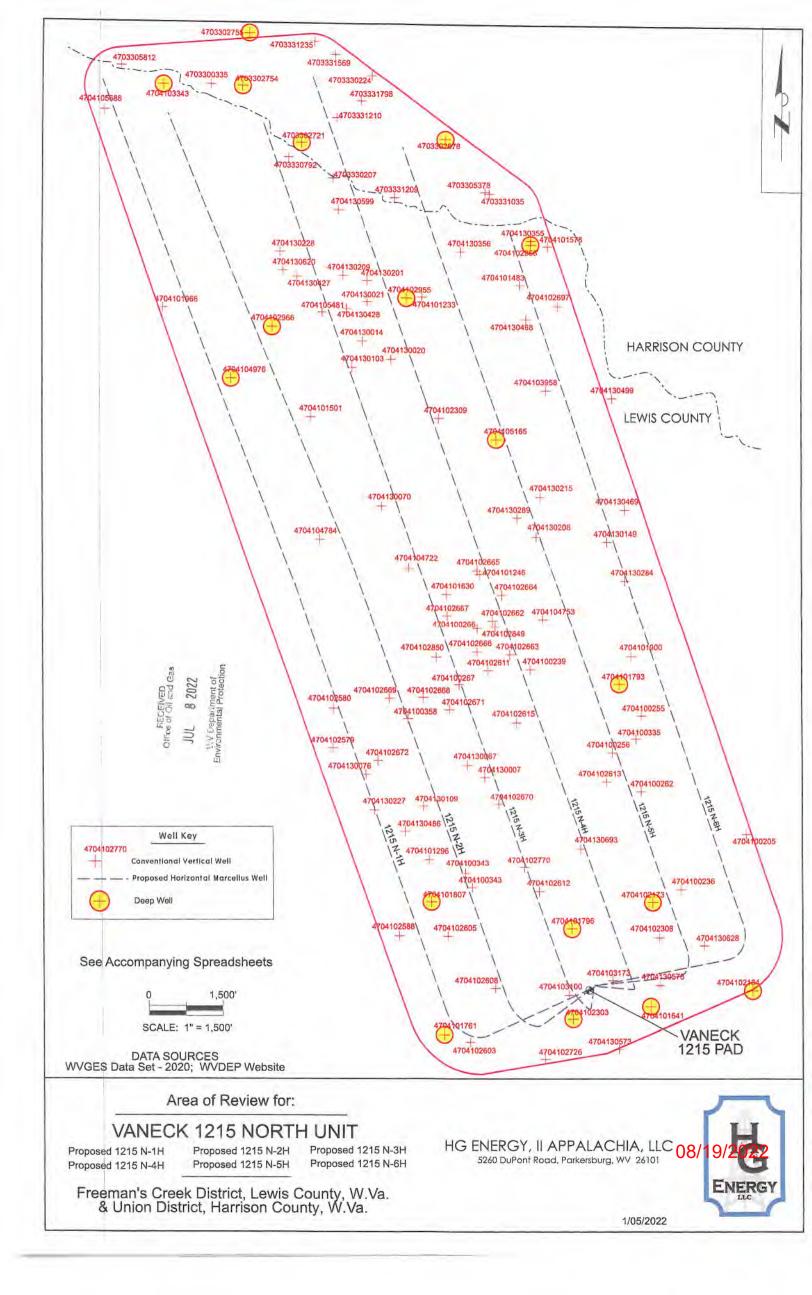
Title.	WV	DEP	Oil &	Gas	Inspector	
ille:						

Date: 6130/2022

) No

Field Reviewed?





СТ	API	COUNTY	FARM	OPERATOR NAME	FORMATION NAME	WELL TYPE	TVD	STATUS	LATITUDE	LONGITUDE
1	4703302678	Harrison	K W Coffindaffer	Tenmile Land, LLC	Alexander	House Gas	5550	ABANDONED	39.164144	-80.558442
2	4703302721	Harrison	Robert B Weiman	Tenmile Land, LLC	Alexander	Gas	5081	ACTIVE	39.163273	-80.571299
3	4703305378	Harrison	Ray Mosser Jr	Alliance Petroleum Co. LLC	Greenland Gap Fm	Oil and Gas	4010	ACTIVE	39.160970	-80.554949
4	4703330207	Harrison	Harvey Morris	South Penn Oil Co.	Hampshire Grp	Oil	3021	PLUGGED	39.161822	-80.566082
5	4703330792	Harrison	J B Coffindaffer	Hope Natural Gas Company	Hampshire Grp	Gas	2857	PLUGGED	39.162983	-80.569250
6	4703331035	Harrison	William Moses	Moses, William	Gordon Stray	Oil	2660	PLUGGED	39.160956	-80.555326
7	4703331209	Harrison	Tillman Clemens	Bradford Supply Co.	Gordon	Oil	2592	PLUGGED	39.160956	-80.562964
8	4703331210	Harrison	J B Coffindaffer	Bradford Supply Co.	Gordon Stray	Oil	2775	PLUGGED	39.165016	-80.565762
9	4704100205	Lewis	Flossie Riley	Dominion Energy Transmission, Inc.	Hampshire Grp	Storage	2361	ACTIVE	39.126554	-80.538388
10	4704100236	Lewis	F B Riley	Dominion Energy Transmission, Inc.	Gantz	Storage	2110	ACTIVE	39.123206	-80.540588
11	4704100239	Lewis	George C Francis	Dominion Energy Transmission, Inc.	Gantz	Storage	2322	ACTIVE	39.135143	-80.551911
12	4704100255	Lewis	J T Bailey	Hope Natural Gas Company	Fifth	Storage	2556	PLUGGED	39.130502	-80.546138
13	4704100256	Lewis	J T Bailey	Hope Natural Gas Company	Gordon Stray	Storage	2435	PLUGGED	39.131952	-80.544090
14	4704100262	Lewis	Olive Thoms	Dominion Energy Transmission, Inc.	Thirty-foot	Storage	2370	ACTIVE	39.128472	-80.544276
15	4704100266	Lewis	L E Gall	Hope Natural Gas Company	Gantz	Storage	2346	PLUGGED	39.137463	-80.555636
16	4704100267	Lewis	L E Gall	Dominion Energy Transmission, Inc.	Gantz	Storage	2240	ACTIVE	39.134998	-80.555077
17	4704100335	Lewis	J T Bailey	Hope Natural Gas Company	Up Devonian	Storage	2341	PLUGGED	39.131082	-80.544649
18	4704100343	Lewis	E Haney	Dominion Energy Transmission, Inc.	Hampshire Grp	Storage	2312	ACTIVE	39.123351	-80.556936
19	4704100358	Lewis	L E Gall	Dominion Energy Transmission, Inc.	Hampshire Grp	Gas	2767	ACTIVE	39.131662	-80.560662
20	4704101233	Lewis	Jacob Freeman Heirs	Diversified Resources, Inc.	Fifth	Oil and Gas	2796	ACTIVE	39.155445	-80.560110
21	4704101246	Lewis	L E Gall	Hope Natural Gas Company	Thirty-foot	Storage	2594	PLUGGED	39.139934	-80.555775
22	4704101483	Lewis	D C Burnside	Diversified Resources, Inc.	Squaw	Gas w/ Oil Show	2102	ACTIVE	39.155735	-80.553405
23	4704101501	Lewis	E Freeman	Pioneer Petroleum, Inc.	Squaw	Dry	2100	PLUGGED	39.148850	-80.567438
24	4704101630	Lewis	W S Bennett	Dominion Energy Transmission, Inc.	Gantz	Storage	2368	PLUGGED	39,138805	-80.558116
25	4704101793	Lewis	Burnside & Freeman	Stephen Gas Company	Benson	Gas w/ Oil Show	4705	ACTIVE	39.134800	-80.546980
26	4704101796	Lewis	David A Caynor	Dominion Energy Transmission, Inc.	Greenland Gap Fm	Gas	4755	ACTIVE	39.120305	-80.549489
27	4704101900	Lewis	Burnside & Freeman	Stephen Gas Company	Big Injun (Grnbr)	Oil and Gas	1988	ACTIVE	39.135288	-80.545022
28	4704102173	Lewis	Woody Lumber Co Inc	Dominion Energy Transmission, Inc.	Greenland Gap Fm	Gas	4746	ACTIVE	39.121756	-80.543531
29	4704102303	Lewis	Orpha D Waggoner	Dominion Energy Transmission, Inc.	Benson	Oil and Gas	4777	ACTIVE	39.115810	-80.550605
30	4704102309	Lewis	J S Burnside	Dominion Energy Transmission, Inc.	not available	Gas	2591	PLUGGED	39.148547	-80.558619
31	4704102611	Lewis	George C Francis	Dominion Energy Transmission, Inc.	not available	Storage	2350	ACTIVE	39.134563	-80.553587
32	4704102612	Lewis	S Minter Heirs	Dominion Energy Transmission, Inc.	not available	Storage	2273	ACTIVE	39.122481	-80.551537
33	4704102613	Lewis	Caroline Minter	Dominion Energy Transmission, Inc.	Hampshire Grp	Storage	2622	ACTIVE	39.129052	-80.546325

34	4704102615	Lewis	Geo C Francis	Dominion Energy Transmission, Inc.	not available	Storage	÷	ACTIVE	39.132242	-80.552842
35	4704102662	Lewis	Francis M McKinley	Hope Natural Gas Company	not available	not available		ABANDONED	39.137318	-80.554891
36	4704102663	Lewis	Francis M McKinley	Dominion Energy Transmission, Inc.	not available	Storage	5.5	ACTIVE	39.135723	-80.553401
37	4704102664	Lewis	Francis M McKinley	Dominion Energy Transmission, Inc.	not available	Storage		ACTIVE	39.138913	-80.554147
38	4704102665	Lewis	W S Bennett	Dominion Energy Transmission, Inc.	not available	Storage		ACTIVE	39.140653	-80.555823
39	4704102666	Lewis	Norman S Small	Dominion Energy Transmission, Inc.	Hampshire Grp	Storage	2673	ACTIVE	39.135578	-80.556380
40	4704102667	Lewis	L E Gall	Dominion Energy Transmission, Inc.	not available	Storage		ACTIVE	39.137753	-80.558243
41	4704102668	Lewis	L E Gall	Dominion Energy Transmission, Inc.	not available	Storage		ACTIVE	39.133376	-80.559000
42	4704102670	Lewis	B J & B E Rhoades	Dominion Energy Transmission, Inc.	Hampshire Grp	Observation	2141	ACTIVE	39.127747	-80.554703
43	4704102671	Lewis	L E Gall	Dominion Energy Transmission, Inc.	not available	Storage		ACTIVE	39.132532	-80.557869
44	4704102770	Lewis	Sheldon Minter	Dominion Energy Transmission, Inc.	undetermined unit	Storage	2232	ACTIVE	39.124076	-80,552840
45	4704102955	Lewis	Zella Curry	Alliance Petroleum Co. LLC	Alexander	Gas	5353	ACTIVE	39.155445	-80.561414
46	4704102956	Lewis	James E Elmer	Diversified Resources, Inc.	Alexander	Oil and Gas	5431	ABANDONED	39.157911	-80.552288
47	4704102966	Lewis	Ralph Pitzer	Alliance Petroleum Co. LLC	Greenland Gap Fm	Oil and Gas	5535	ACTIVE	39.154285	-80.569982
48	4704103100	Lewis	Marjorie Hyatt	Dominion Energy Transmission, Inc.	Big Injun (Grnbr)	Oil w/ Gas Show	2075	ACTIVE	39.116970	-80.549302
49	4704103173	Lewis	Orpha Waggoner	Consolidated Gas Supply Corp.	Big Injun (Grnbr)	Dry	2089	PLUGGED	39.117405	-80.546510
50	4704103958	Lewis	James W Wagner et al	Diversified Resources, Inc.	Greenland Gap Fm	Gas	3131	ACTIVE	39.150370	-80.550610
51	4704104722	Lewis	W S Bennett	Dominion Energy Transmission, Inc.	Fifth	Gas	2752	PLUGGED	39,140307	-80.560812
52	4704104753	Lewis	Allegheny Wood Products	Dominion Energy Transmission, Inc.	not available	not available		PLUGGED	39.138043	-80.550422
53	4704105165	Lewis	J Todd Hatfield	Dominion Energy Transmission, Inc.	Greenland Gap Fm	Gas	4910	ACTIVE	39.147469	-80.554521
54	4704105481	Lewis	Jerry Tomes	Diversified Resources, Inc.	Hampshire Grp	Oil and Gas	3300	ACTIVE	39.154351	-80.566871
55	4704130007	Lewis	L E Gall	Hope Construction & Refining	not available	not available	1	PLUGGED	39.129052	-80.556751
56	4704130014	Lewis	Stella Freeman Hrs	South Penn Oil Co.	Gordon Stray	Oil	2778	PLUGGED	39.152835	-80.564021
57	4704130020	Lewis	S M Burnside	South Penn Oil Co.	Greenland Gap Fm	Oil and Gas	3675	PLUGGED	39.151820	-80.561972
58	4704130021	Lewis	J L Freeman	Hope Natural Gas Company	Hampshire Grp	Oil and Gas	3038	PLUGGED	39.155010	-80.563649
59	4704130067	Lewis	L O Stutler	Pittsburgh & WV Gas	Gordon	Oil and Gas	2411	PLUGGED	39.129342	-80.556751
60	4704130070	Lewis	William Furley	Pittsburgh & WV Gas	Hampshire Grp	Gas	2760	PLUGGED	39.143699	-80.562714
61	4704130103	Lewis	Earl Freeman	South Penn Oil Co.	Hampshire Grp	Oil	2782	PLUGGED	39.151384	-80,564765
62	4704130149	Lewis	F M McKinley	Douglas, Septer W.	not available	not available		PLUGGED	39.141669	-80.546698
63	4704130201	Lewis	J L Freeman	UNKNOWN	not available	not available		PLUGGED	39.156170	-80.563649
64	4704130208	Lewis	Enn Bailey	Atha Supply Company	not available	not available	21.1	PLUGGED	39.141959	-80.551726
65	4704130209	Lewis	Jacob L Freeman Bros	South Penn Oil Co.	Gordon Stray	Oil and Gas	2580	PLUGGED	39.156460	-80,565381
66	4704130215	Lewis	Lelia Grace	South Penn Oil Co.	Hampshire Grp	Oil	2846	PLUGGED	39.144134	-80.551402
67	4704130228	Lewis	Chas A Coffindaffer	South Penn Oil Co.	Gordon	Oil	2736	PLUGGED	39.157765	-80.569853
68	4704130284	Lewis	Francis M Mckinley	Hope Natural Gas Company	Hampshire Grp	Oil and Gas	2821	PLUGGED	39.139493	-80.545440
69	4704130289	Lewis	John S Burnside	Hope Natural Gas Company	Hampshire Grp	Oil and Gas	2818	PLUGGED	39.142829	-80.552891

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70	4704130356	Lewis	William Moses	Moses, William	Gordon Stray	Oil	2805	PLUGGED	39.157765	-80.557000
71	4704130427	Lewis	Mrs Alona May Lowman	Bradford Supply Co.	Gordon Stray	Gas	2702	PLUGGED	39.155880	-80.567802
72	4704130428	Lewis	Mrs Alona May Lowman	Bradford Supply Co.	Gordon Stray	Oil	2594	PLUGGED	39.154430	-80.565938
73	4704130468	Lewis	J A Fox	15 M - 1	Hampshire Grp	Gas	2850	PLUGGED	39.153995	-80.552341
74	4704130499	Lewis	J A Fox	Bradford Supply Co. Pre 20 20 South Penn Oil Co. Pre 22 20	Hampshire Grp	Oil	2793	PLUGGED	39.147614	-80.547866
75	4704130578	Lewis	Fortunatus White	Hope Natural Gas Company	Hampshire Grp	Gas	2602	PLUGGED	39.117115	-80.543159
76	4704130599	Lewis	U A Morris	Bradford Supply Co.	Gordon Stray	Oil	2707	PLUGGED	39.160086	-80.565700
77	4704130620	Lewis	J L Freeman	Hal Pack & Company	Hampshire Grp	Oil	2619	PLUGGED	39,156750	-80,569666
78	4704130628	Lewis	Fortunatus White	Hope Natural Gas Company	not available	not available	2702	not available	39.119580	-80.539655
79	4704130693	Lewis	Shelton Minter Hrs	Hope Natural Gas Company	Hampshire Grp	Gas	2594	PLUGGED	39.124656	-80.548745
		1k - 1		WELLS ADDEI	0 11/11/2021					
80	4703300335	Harrison	C A Coffindaffer Hrs	Eastern Gas Transmission & Storage, Inc.	Fifth	Gas w/ Oil Show	3000	PLUGGED	39.167929	-80.576517
81	4703302754	Harrison	Robert B Weiman	Tenmile Land, LLC	Alexander	Oil and Gas	5389	ACTIVE	39.167058	-80.574654
82	4703302755	Harrison	Robert B Weiman	Tenmile Land, LLC	Alexander	Oil and Gas	5520	ACTIVE	39.169816	-80.572044
83	4703305812	Harrison	John E Tyler	Diversified Resources, Inc.	UNKNOWN	not available		UNKNOWN	39.167992	-80.581201
84	4703330224	Harrison	Luetta Bowen	South Penn Oil (S. Penn Nat. Gas)	Hampshire Grp	Oil and Gas	2707	PLUGGED	39.167494	-80.563286
85	4703331235	Harrison	Minerva Walker	Bradford Supply Co.	Gordon Stray	Gas	2778	PLUGGED	39,169381	-80.567386
86	4703331569	Harrison	Goynor Wise	Moses, William	Gordon Stray	Gas	2778	PLUGGED	39.168655	-80.565895
87	4703331798	Harrison	Burgess Morris	Jackson, Richard C.	UNKNOWN	not available		PLUGGED	39.166176	-80.563155
88	4704100205	Lewis	Flossie Riley	Eastern Gas Transmission & Storage, Inc.	Hampshire Grp	Storage	2361	ACTIVE	39.126554	-80.538388
89	4704100343	Lewis	E Haney	Eastern Gas Transmission & Storage, Inc.	Hampshire Grp	Storage	2312	ACTIVE	39.123351	-80.556936
90	4704101296	Lewis	E L Haney	UNKNOWN	Gantz	Storage	2610	PLUGGED	39.124622	-80.560098
91	4704101230	Lewis	W A Booth	Diversified Resources, Inc.	Gordon	Gas	2674	ACTIVE	39.157766	-80.551356
92	4704101570	Lewis	Jack E Waggoner	Eastern Gas Transmission & Storage, Inc.	Greenland Gap Fm	Gas	4703	ACTIVE	39.115955	-80.543903
93	4704101761	Lewis	William Burnside	Eastern Gas Transmission & Storage, Inc.	Benson	Gas	4760	ACTIVE	39.114649	-80.558796
94	4704101807	Lewis	E L Hanley	Eastern Gas Transmission & Storage, Inc.	Benson	Storage	4876	ACTIVE	39.122286	-80.559783
95	4704101966	Lewis	Brent Maxwell	Eastern Gas Transmission & Storage, Inc.	Gordon	Dry	2896	PLUGGED	39.154711	-80.57824
96	4704102184	Lewis	M C Burnside	Eastern Gas Transmission & Storage, Inc.	Benson	Gas	4848	ACTIVE	39.11755	-80.53574
97	4704102303	Lewis	Orpha D Waggoner	Eastern Gas Transmission & Storage, Inc.	Benson	Oil and Gas	4777	ACTIVE	39.11581	-80.55060
98	4704102579	Lewis	Sarepta Nutter	Eastern Gas Transmission & Storage, Inc.	UNKNOWN	Storage	-	ACTIVE	39.130647	-80.56606
99	4704102580	Lewis	J R H Straley	Eastern Gas Transmission & Storage, Inc.	UNKNOWN	Storage		ACTIVE	39.132532	-80.56624
100	4704102588	Lewis	Minor J Hall	Eastern Gas Transmission & Storage, Inc.	Hampshire Grp	Storage	2350	ACTIVE	39.119866	-80.56101
101	4704102508	Lewis	Willion J Hall	Eastern Gas Transmission & Storage, Inc.	UNKNOWN	Storage	1.1.1	ACTIVE	39.114351	-80.55710
102	4704102605	Lewis	TJ Halterman	Eastern Gas Transmission & Storage, Inc.	UNKNOWN	Storage	10.00	ACTIVE	39.120447	-80.55878
103	4704102608	Lewis	G W Waggoner	Eastern Gas Transmission & Storage, Inc.	Hampshire Grp	Storage	2296	ACTIVE	39.117979	-80,55580

	E. WUGES DAT	ASET (2020) and WVDEP WEBSITE	Federal Oil Co. UNKNOWN not available South Penn Oil (S. Penn Nat. Gas) Hampshire Grp Oil and Gas Moses, William Fifth Oil Bradford Supply Co. Hampshire Grp Oil				GREEN DEI	NOTES SURVEYED	WELLS
119	4704130486	Lewis	Serepta Nutter	South Penn Oil (S. Penn Nat. Gas)	Hampshire Grp	Oil	2914	PLUGGED	39.126151	-80.56121
118	4704130469	Lewis	Alice White				2850	PLUGGED	39.143409	-80.54539
117	4704130355	Lewis	William Moses	Moses, William	Fifth	Oil	2806	PLUGGED	39.158346	-80.55197
116	4704130227	Lewis	Ray & Delphia Holden	South Penn Oil (S. Penn Nat. Gas)	Hampshire Grp	Oil and Gas	2932	PLUGGED	39.128036	-80.56498
115	4704130109	Lewis	F M McKinley	Federal Oil Co.	UNKNOWN	not available	2909	PLUGGED	39.127456	-80.5595
114	4704130076	Lewis	Ray & Delphia Holden	South Penn Oil (S. Penn Nat. Gas)	Hampshire Grp	Oil	2869	PLUGGED	39.129197	-80.5641
113	4704105688	Lewis	John E Tyler	Diversified Resources, Inc.	1			NEVER DRILLED	39.165574	-80.5824
112	4704104976	Lewis	Phillip Burnside	Mountain V Oil and Gas, Inc.	Alexander	Gas	5600	ACTIVE	39.150804	-80.5735
111	4704104784	Lewis	Troy/D Rickles	Eastern Gas Transmission & Storage, Inc.	UNKNOWN	not available		PLUGGED	39.141793	-80.5670
110	4704103343	Lewis	R B Weimann	Diversified Resources, Inc.	Benson	Oil and Gas	5058	ACTIVE	39.166611	-80.5779
109	4704102850	Lewis	L E Gall et al	Eastern Gas Transmission & Storage, Inc.	UNKNOWN	Storage		ACTIVE	39.135333	-80.5589
108	4704102849	Lewis	Francis McKinley	Eastern Gas Transmission & Storage, Inc.	UNKNOWN	Storage		ACTIVE	39.136993	-80.5547
107	4704102726	Lewis	E W Wagonner	UNKNOWN	Hampshire Grp	Gas	2435	PLUGGED	39.113199	-80.5513
106	4704102697	Lewis	J A Fox	Fluharty Enterprises, Inc.	UNKNOWN	not available	1	XABANDONED	39.15472	-80.5501
105	4704102672	Lewis	L E Gall	Eastern Gas Transmission & Storage, Inc.	UNKNOWN	Storage		ACTIVE	39.129892	-80.5621
104	4704102669	Lewis	L E Gall	Eastern Gas Transmission & Storage, Inc.	UNKNOWN	Storage		ACTIVE	39.132532	-80.5619

UPDATED 11/11/2021

Office of Oil and Gas JUL & 2022 MV Department of Environmental Protection

4704105732

HG Energy II Appalachia, LLC

Site Safety Plan

Vaneck 1215 Well Pad 1451 Mare Run Road, Weston Lewis County, WV 26452

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JUL 8 2022

WV Department of Environmental Protection

January 2022: Version 1

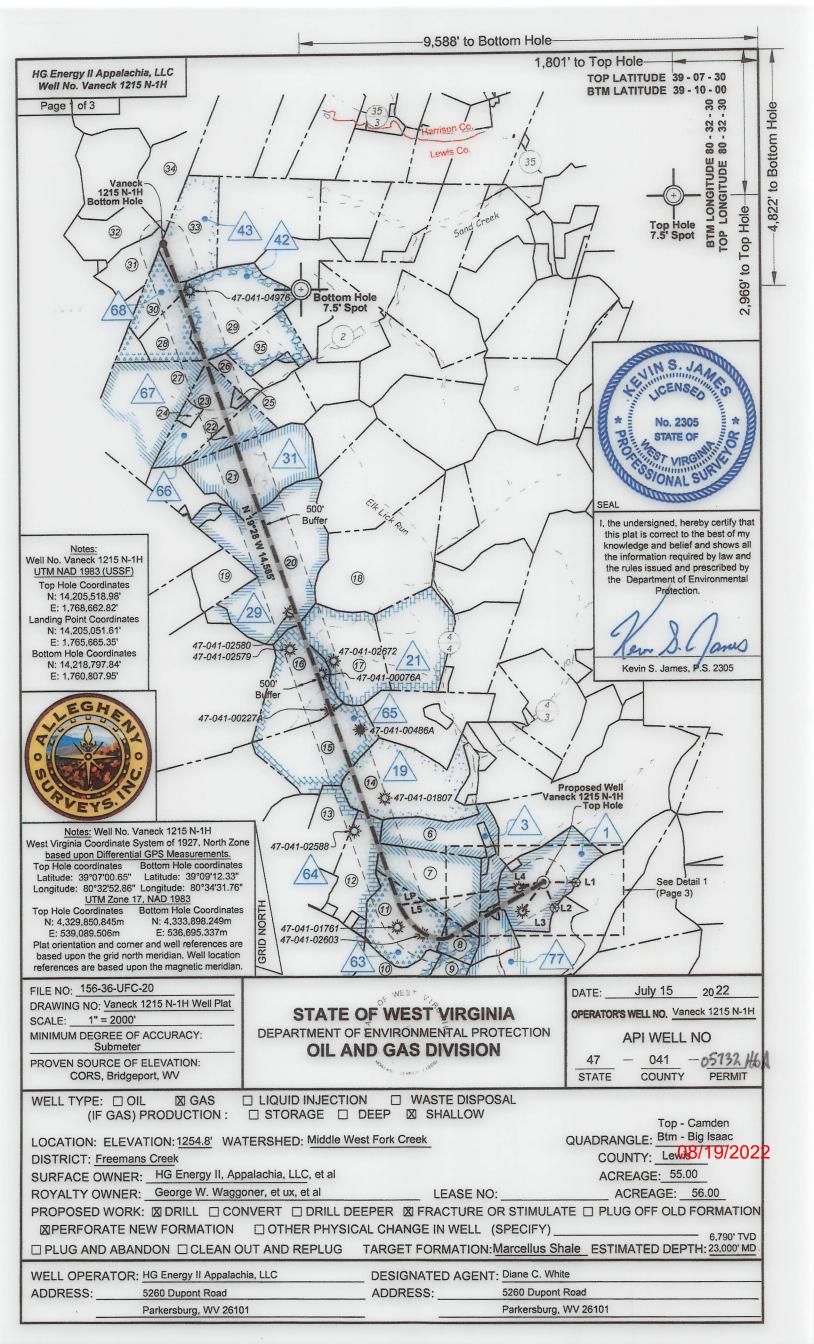
For Submission to West Virginia Department of Environmental Protection, Office of Oil and Gas

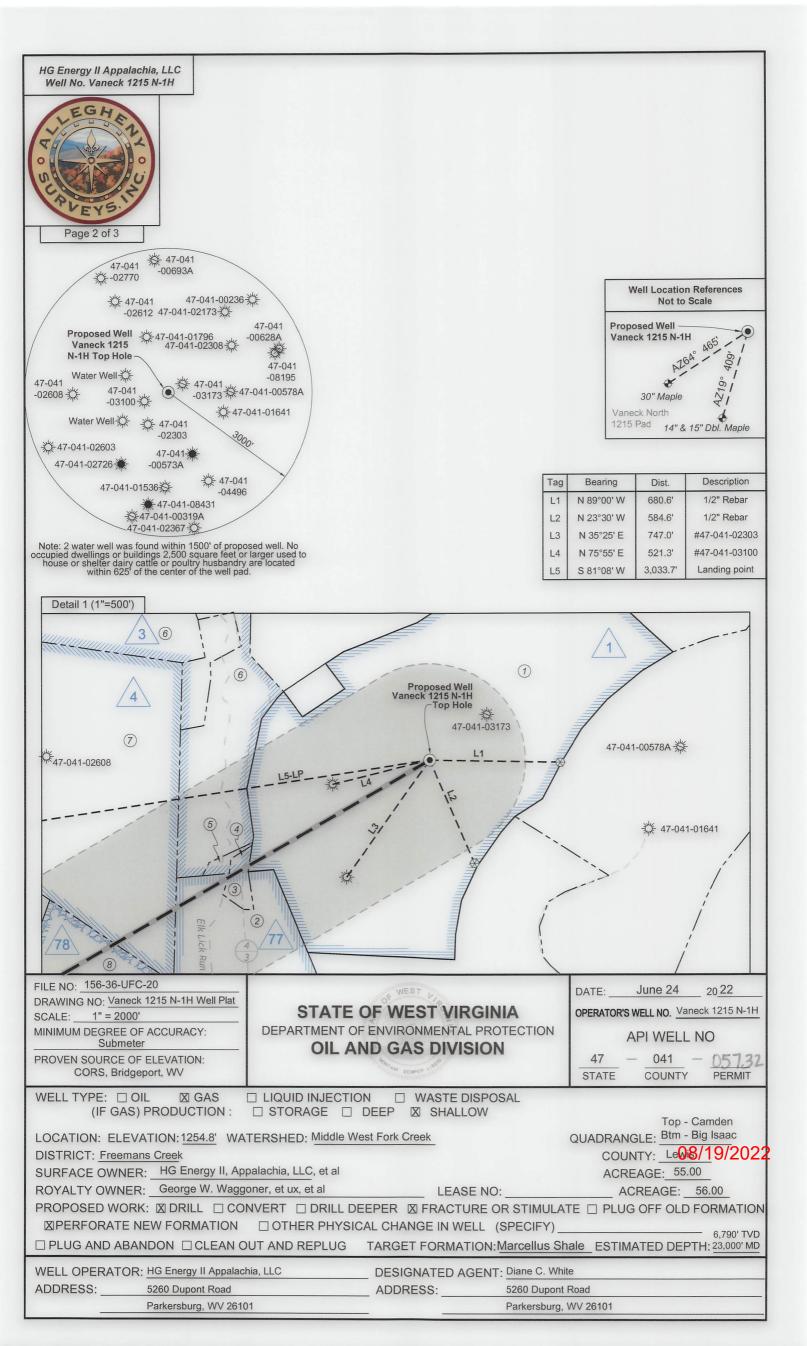
HG Energy II Appalachia, LLC

5260 Dupont Road

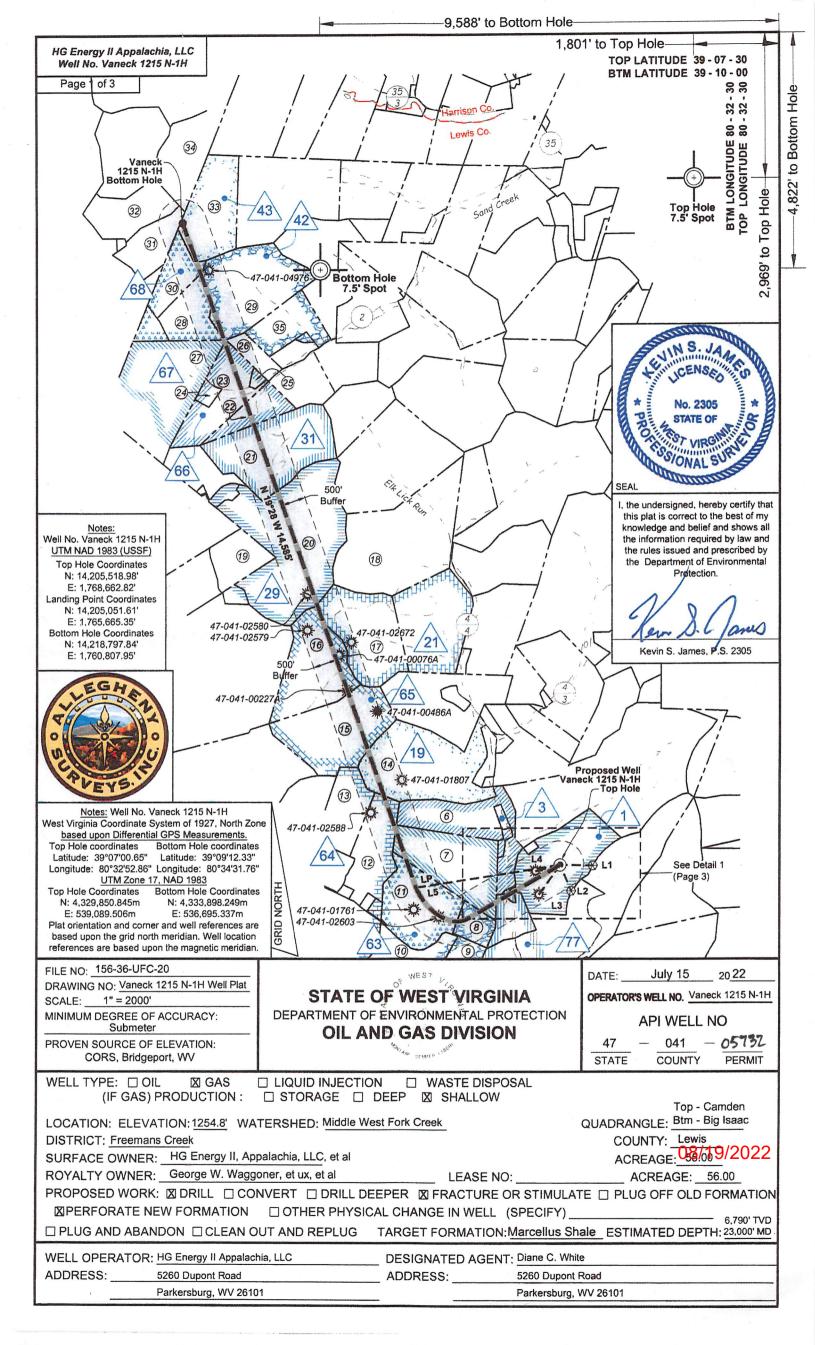
Parkersburg, WV 26101

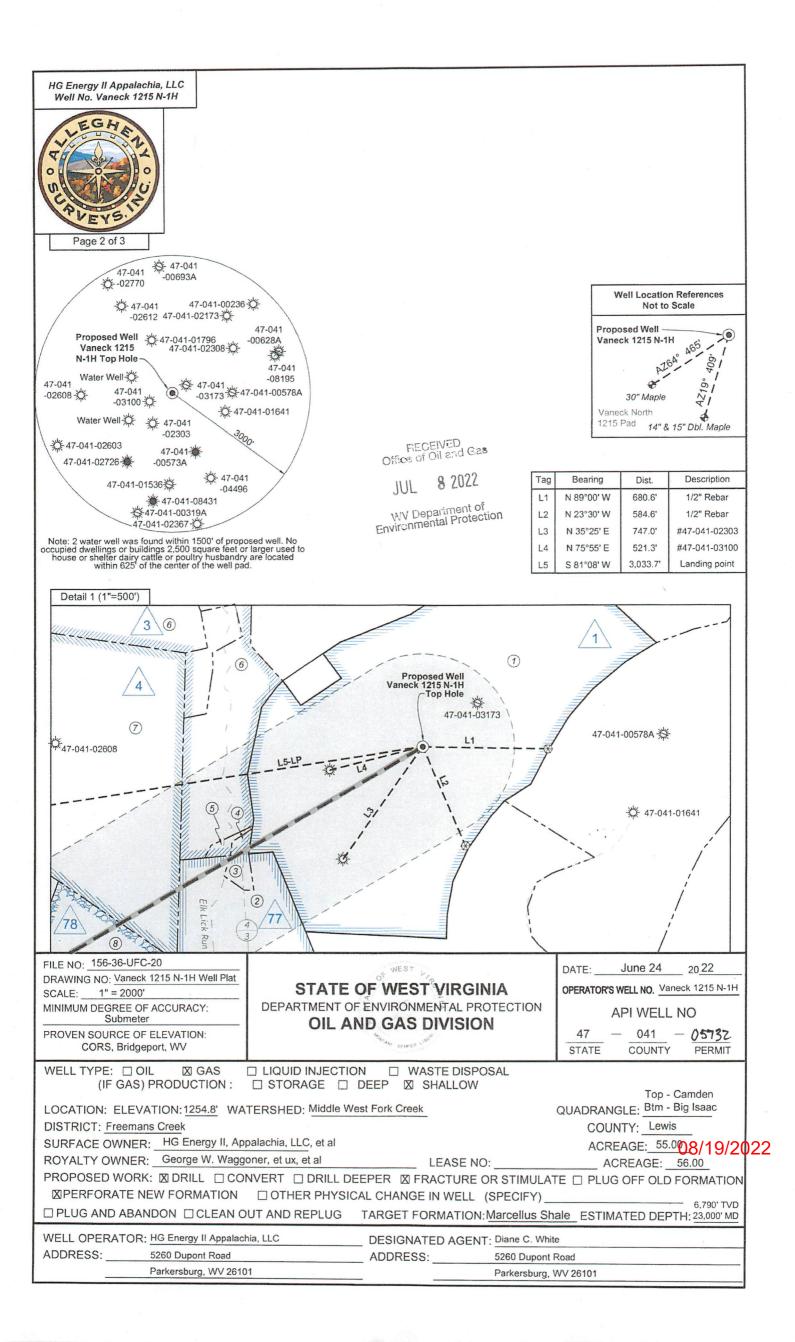
5.P.W 6 (30/2022





HG Energy II Appalachia, LLC Well No. Vaneck 1215 N-1H		
Page 3 of 3 D 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 21 L.E. Gall, et ux 29 J.R.H. Straley, et ux 31 C.A. Coffindaffer 42 Phillip E. Burnside, et al 43 Bennett Land Management, LLC, et al 63 William R. Burnside, et ux 64 Minor J. Hall, et ux 65 Sarepta Nutter 66 Hunter M. Bennett, et ux 67 C.A. Coffindaffer, et al 68 Hunter M. Bennett, et al 77 E.W. Waggoner, et al 78. J.B. Halterman, et ux		Legend
Lewis Co Freeman Creek Dist.No.TM / ParOwner15C / 29HG Energy II Appalachia, LLC25C / 12Daniel L. & Rena M. Waggoner35C / 12.1Karen J. & Timothy S. Rittenhouse45C / 11Gary P. Stalnaker55C / 7.1Gary P. Stalnaker65C / 7Charles B. Curtis, Jr.75C / 8Daniel L. & Rena M. Waggoner85C / 10.1Michael L. McLaughlin95C / 10.2Robert E. & Pamela L. Thompson105C / 15Robert E. & Pamela L. Thompson115C / 10Stephen & Sherry Marsh125C / 9John & Rebecca Bales134C / 30John & Rebecca Bales	Bk / Pg Ac. 765 / 894 55.00 733 / 664 14.50 753 / 130 0.48 519 / 599 0.24 519 / 599 0.35 W19 / 725 45.65 733 / 664 49.75 365 / 572 13.06 346 / 379 19.94 519 / 627 60.82 631 / 742 55.69 466 / 706 37.96	 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.)
14 5C / 6 Jason E. & Amy L. Hunt 15 4C / 27 Jeremy & Rebecca Day 16 4B / 42 Darren B. & Claudia Cox 17 5B / 9 Robert A. & Jane M. Marrison 18 5B / 5 Gerold L. & Rita R. Kolva 19 4B / 20.2 Pamela J. Kochenower 20 4B / 40 Curtis G. Ferguson 21 4B / 39 Mike Ross Inc. 22 4B / 38 Christopher Dobbins 23 4B / 33.2 Steven M. Miller 25 4B / 33.2 Steven M. Miller 26 4B / 33.1 Roy L. Marks, III 26 4B / 32 Larry K. Coffindaffer, et al 28 4A / 16 Gregory B. Wright 29 4A / 38 Rachel D. & Joshua M. Wyckoff 30 4A / 17 Gregory B. Wright 31 4A / 18 Timothy G. Rose 32 4A / 32 Edward W. & Violet Titus 33 Kinchloe Mitigation Holdings, LLC 34 4A / 30 Kinchloe Mitigation Holdings, LLC	4007706 20.90 589/3 85.00 726/592 56.50 621/746 56.50 722/374 47.50 639/517 100.33 562/322 23.27 552/449 121.21 678/455 67.75 724/857 19.25 678/455 33.01 753/420 3.74 701/519 2.00 762/658 10.08 W45/431 60.00 722/430 26.75 750/260 63.97 722/430 20.25 656/598 24.70 295/126 31.00 710/463 47.50 704/324 34.75 750/260 36.78	Wellhead Layout (NTS) Vaneck 1215 N-4H Vaneck 1215 N-5H Vaneck 1215 N-6H API# 47-041-05730 Vaneck 1215 N-3H Vaneck 1215 N-2H Proposed Well Vaneck 1215 N-1H
FILE NO: 156-36-UFC-20 DRAWING NO: Vaneck 1215 N-1H Well Plat SCALE: 1" = 2000' MINIMUM DEGREE OF ACCURACY: Submeter PROVEN SOURCE OF ELEVATION: CORS, Bridgeport, WV	STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTEC OIL AND GAS DIVISION	DATE: June 24 20 22 OPERATOR'S WELL NO. Vaneck 1215 N-1H API WELL NO 47 - 041 - 057.32 STATE COUNTY PERMIT
(IF GAS) PRODUCTION : LOCATION: ELEVATION: <u>1254.8'</u> WAT DISTRICT: <u>Freemans Creek</u> SURFACE OWNER: <u>HG Energy II, App</u> ROYALTY OWNER: <u>George W. Waggo</u>	palachia, LLC, et al oner, et ux, et al LEASE NO: IVERT □ DRILL DEEPER ⊠ FRACTURE OR ST □ OTHER PHYSICAL CHANGE IN WELL (SPE	
WELL OPERATOR: HG Energy II Appalach ADDRESS: 5260 Dupont Road Parkersburg, WV 2610	ia, LLC DESIGNATED AGENT: Diar ADDRESS: 5260	new reaction of the second state of the second





ID Lease JUL 1 George W. Waggoner, et ux JUL 3 T.J. Halterman, et ux M/V Dep	ECENTO of Git and Gas 8 2022
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Image: style style Bit Style Bit Style Style 1	
43 Bennett Land Management, LLC, et al 63 William R, Burnatike, et ux 66 Sarepia Nutler 66 Hunter M, Bennett, et ux 67 C.A. Coffindaffer, et al 68 Hunter M, Bennett, et ux 67 C.A. Coffindaffer, et al 78 J.B. Haterman, et ux 79 J.B. Haterman, et ux 70 Sc/12 71 Gary P. Stainaker 72 Sc/12 73 J.B. Theterman Waggorer 74 J.Sc/11 75 Sc/10 76 Sc/11 76 Sc/10 76 Sc/11 77 C.R. P. Stainaker 519/599 78 Sc/16 79 Sc/16 70 Robert E. & Pamala L. Thompson 71 Sc/10 71 Sc/10 72 J.Berne & Sherry Marsh 73 Sc/16 72	epartment of lental Protection
66 Hunter M. Bennett, et al 67 C.A. Coffindeffer, et al 78 J.B. Halterman, et ux 79 J.B. Halterman, et ux 70 Sc/12 71 Gary P. Stainaker 71 Sc/11 72 Gary P. Stainaker 73 Sc/11 74 Sc/11 75 Sc/8 75 Sc/10.1 Michael L. McLaughlin 365/572 75 Robert E. & Pamela L. Thompson 75 Sc/60 J.G. Halterman, E.Sterry Marsh 75 Gor/7 Sc/162 76 J.B. Rebecca Bales 466/706 26.96 76 J.B. Crinic A. & Jane M. Marrison 722/374 47.55 75 Grabert A. & Jane M.	
Bit Number 1 E.W. Waggoner. et al 77 J.B. Halterman, et ux 28 J.B. Halterman, et ux 29 J.B. Halterman, et ux 20 TK / Par Owner Bk / Pg Ac. 25 Cr 12 Daniel L. & Rena M. Waggoner 733 / 130 0.48 3 5C / 12 Daniel L. & Rena M. Waggoner 753 / 130 0.48 5 5C / 7.1 Gary P. Stalnaker 519 / 599 0.24 5 5C / 7.1 Gary P. Stalnaker 519 / 599 0.35 5 SC / 10 Michael L. McLaughlin 365 / 572 13.06 3 GC / 10.2 Robert E. & Pamela L. Thompson 519 / 529 60.37 5 SC / 10 Stephen & Sterry Marsh 631 / 742 56.69 5 5 C / 10 Stephen & Sterry Marsh 631 / 742 56.60 5 5 C / 10 Stephen & Sterry Marsh 639 / 371 10.033 4 B / 30 Deroid L. & Rita R. Kolva 639 / 571 10.033 5 B / 5 Geroid L. & Rit	
Lewis Co Freeman Creek Dist. 5. TM / Par Owner Bk / Pg Ac. 5. 5C / 29 HG Energy II Appalachia, LLC T66 / 894 55.00 5. C / 12. Daniel L. & Rena M. Waggoner 733 / 664 14.50 5. C / 12. Karen J. & Timothy S. Rittenhouse 519 / 599 0.24 5. SC / 7.1 Gary P. Stalnaker 519 / 599 0.24 5. SC / 7.1 Gary P. Stalnaker 519 / 599 0.24 5. SC / 10. Michael L. McLaughlin 366 / 572 13.06 5. SC / 10. Michael L. McLaughlin 366 / 572 13.06 5. SC / 10. Stephen & Sherry Marsh 631 / 742 55.69 2. SC / 6 Jason E. & Amy L. Hunt 589 / 786 / 582 56.00 5. G / 20.10 M. & Rebecca Bales 466 / 706 37.96 5. G / 20.2 Parmela J. Kochenower 552 / 449 121.21 1. SB / 5 Geroid L. & Rita R. Kolva 39 / 517 100.33	Legend
3 4C / 30 John & Rebecca Bales 466 / 706 26.96 4 5C / 6 Jason E. & Amy L. Hunt 589 / 3 85.00 5 4C / 27 Jeremy & Rebecca Day 726 / 592 56.50 7 5B / 9 Robert A. & Jane M. Marrison 722 / 374 47.50 8 5B / 5 Gerold L. & Rita R. Kolva 639 / 517 100.33 9 4B / 20.2 Pamela J. Kochenower 562 / 322 23.27 10 4B / 30 Mike Ross Inc. 678 / 455 67.75 12 4B / 38 Christopher Dobbins 724 / 857 19.25 13 4B / 33 Mike Ross Inc. 678 / 455 33.01 14 4B / 32 Steven M. Miller 753 / 420 3.74 15 4B / 33 Mike Ross Inc. 678 / 455 10.08 16 4B / 32 Larry K. Coffindaffer, et al W45 / 431 60.00 18 4A / 16 Gregory B. Wright 722 / 430 20.25 19 4A / 38 Rachel D. & Joshua M. Wyckoff 750 / 260 36.78 11 4A / 30 <td> 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.) </td>	 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.)
6 48 / 42 Darren B. & Claudia Cox 621 / 746 56.50 7 58 / 9 Robert A. & Jane M. Marrison 722 / 374 47.50 8 58 / 5 Gerold L. & Rita R. Kolva 639 / 517 100.33 9 48 / 20.2 Pamela J. Kochenower 552 / 449 121.21 10 48 / 30 Curtis G. Ferguson 552 / 449 121.21 11 48 / 33 Mike Ross Inc. 678 / 455 63.01 12 48 / 33 Mike Ross Inc. 678 / 455 33.01 14 48 / 33 Mike Ross Inc. 678 / 455 33.01 14 48 / 33 Mike Ross Inc. 678 / 455 30.01 14 48 / 33 Mike Ross Inc. 678 / 455 30.01 14 48 / 33 Mike Ross Inc. 678 / 455 30.01 14 48 / 33 Mike Ross Inc. 678 / 455 30.01 14 B / 32 Larry K. Coffindaffer, et al W45 / 431 60.00 16 49 / 32 Edward W. & Viokoff 750 / 260 63.97 10 4A / 32 Edward W	Wellhead Layout (NTS)
DRAWING NO: Vaneck 1215 N-1H Well Plat SCALE: 1" = 2000' MINIMUM DEGREE OF ACCURACY: Submeter PROVEN SOURCE OF ELEVATION: CORS, Bridgeport, WV WELL TYPE: OIL OIL I GAS (IF GAS) PRODUCTION : I LIQUID INJECTION	Vaneck 1215 N-4H Vaneck 1215 N-5H Vaneck 1215 N-6H API# 47-041-05730 Vaneck 1215 N-3H Vaneck 1215 N-3H Vaneck 1215 N-2H Proposed Well Vaneck 1215 N-1H
MINIMUM DEGREE OF ACCURACY: Submeter PROVEN SOURCE OF ELEVATION: CORS, Bridgeport, WV WELL TYPE: OIL Ø GAS (IF GAS) PRODUCTION : DEPARTMENT OF ENVIRONMENTAL DEPARTMENT OF ENVIRONMENTAL OIL AND GAS DIVIS OIL AND GAS DIVIS	DATE: June 24 2022
WELL TYPE: OIL IGAS LIQUID INJECTION WASTE DI (IF GAS) PRODUCTION : STORAGE DEEP SHALLO	AL PROTECTION API WELL NO ISION 47 - 041 - 05732
DISTRICT: Freemans Creek SURFACE OWNER: HG Energy II, Appalachia, LLC, et al ROYALTY OWNER: George W. Waggoner, et ux, et al LEASE PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTU DRILL DEEPER FRACTU	LOW Top - Camden QUADRANGLE: Btm - Big Isaac COUNTY: Lewis ACREAGE: 55.008/19/20
□ PLUG AND ABANDON □ CLEAN OUT AND REPLUG TARGET FORMAT	VELL (SPECIFY)
WELL OPERATOR: HG Energy II Appalachia, LLC DESIGNATED AG ADDRESS: 5260 Dupont Road ADDRESS:	VELL (SPECIFY)

WW-6A1 (5/13) Operator's Well No. Vaneck 1215 N-1H

INFORMATION SUPPLIED UNDER WEST VIRGINIA CODE Chapter 22, Article 6A, Section 5(a)(5) IN LIEU OF FILING LEASE(S) AND OTHER CONTINUING CONTRACT(S)

Under the oath required to make the verification on page 1 of this Notice and Application, I depose and say that I am the person who signed the Notice and Application for the Applicant, and that –

- (1) the tract of land is the same tract described in this Application, partly or wholly depicted in the accompanying plat, and described in the Construction and Reclamation Plan;
- (2) the parties and recordation data (if recorded) for lease(s) or other continuing contract(s) by which the Applicant claims the right to extract, produce or market the oil or gas are as follows:

Lease Name or				
Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book/Page

See Attached Sheets

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JUL 8 2022

WV Department of Environmental Protection

Acknowledgement of Possible Permitting/Approval In Addition to the Office of Oil and Gas

The permit applicant for the proposed well work addressed in this application hereby acknowledges the possibility of the need for permits and/or approvals from local, state, or federal entities in addition to the DEP, Office of Oil and Gas, including but not limited to the following:

- WV Division of Water and Waste Management
- WV Division of Natural Resources WV Division of Highways
- U.S. Army Corps of Engineers
- U.S. Fish and Wildlife Service
- County Floodplain Coordinator

The applicant further acknowledges that any Office of Oil and Gas permit in no way overrides, replaces, or nullifies the need for other permits/approvals that may be necessary and further affirms that all needed permits/approvals should be acquired from the appropriate authority before the affected activity is initiated.

Well Operator:	HG Energy II /	Appalachia, LLC
By:	Diane White	Diane White
Its:	Accountant	

Page 1 of ____

HG Energy II Appalachia, LLC - Vaneck 1215 N-1H Lease Chain

215N Tract	LEGACY LEASE NUMBER	ΤΑΧ ΜΑΡ	LEASE NUMBER	GRANTOR/LESSOR	GRANTEE/LESSEE	ROYALTY	DEED BOOK	PAGE	
.IJN Hatt				GEO. W. WAGGONER AND ROSA M. WAGGONER, HIS WIFE	THE PHILADELPHIA COMPANY OF WEST VIRGINIA	NOT LESS THAN 1/8	73	3	
				THE PHILADELPHIA COMPANY OF WEST VIRGINIA	PITTSBURG AND WEST VIRGINIA GAS COMPANY	ASSIGNMENT	85	1	
				THE PHILADELPHIA COMPANY OF WEST VIRGINIA	PITTSBURG AND WEST VIRGINIA GAS COMPANY	ASSIGNMENT	125	3	
				THE PHILADELPHIA COMPANY OF WEST VIRGINIA	PITTSBURG AND WEST VIRGINIA GAS COMPANY	DEED	125	3	
		03-005C-0027-0001 03-005C-0029-0000		PITTSBURG AND WEST VIRGINIA GAS COMPANY	EQUITABLE GAS COMPANY	ASSIGNMENT	216		
				EQUITABLE GAS COMPANY AND PHILADELPHIA OIL COMPANY	HOPE NATURAL GAS COMPANY	ASSIGNMENT	246		
				HOPE NATURAL GAS COMPANY	CONSOLIDATED GAS SUPPLY CORPORATION	CONFIRMATORY DEED	294		
				CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS TRANSMISSION CORPORATION	ASSIGNMENT	425		
			l	CONSOLIDATED GAS TRANSMISSION CORPORATION	CNG TRANSMISSION CORPORATION	MERGER/NAME CHANGE	WVSOS		
				CNG TRANSMISSION CORPORATION	DOMINION TRANSMISSION, INC.	MERGER/NAME CHANGE	WVSOS		
	FK051509	03-005C-0027-0001	Q100665000	DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	MEMORANDUM OF FARMOUT AGREEMENT	672		
T	FK031303	03-005C-0029-0000	0100000000	CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	LIMITED PARTIAL ASSIGNMENT (50%)	684		
				DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC AND NOBLE ENERGY, INC.	PARTIAL ASSIGNMENT (32%)	712		
				CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	ASSIGNMENT	717		
				NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	722		
				DOMINON TRANSMISSION, INC.	DOMINION ENERGY TRANSMISSION, INC.	MERGER/NAME CHANGE	WVSOS		
						SECOND AMENDMENT TO MEMORANDUM OF			
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	FARMOUT AGREEMENT	723		
						THIRD AMENDMENT TO MEMORANDUM OF			
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	FARMOUT AGREEMENT	734		
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT (68%)	736		
				T. J. HALTERMAN AND S. A. HALTERMAN, HIS WIFE	E. W. BOYD	NOT LESS THAN 1/8	35		
				E. W. BOYD	S. E. BARRETT	ASSIGNMENT	30		
				S. E. BARRETT	LOUIS BENNETT	ASSIGNMENT (50%)	36		
					LOUIS BENNETT	J. M. GUFFEY AND JNO. H. GALEY	ASSIGNMENT	44	
				S. E. BARRETT	J. M. GUFFEY AND JNO. H. GALEY	ASSIGNMENT	44		
		Ţ		J. M. GUFFEY AND JNO. H. GALEY	THE PHILADELPHIA COMPANY OF WEST VIRGINIA	ASSIGNMENT (50%)	44		
		Š.4	UUL	J. M. GUFFEY AND JOHN H. GALEY	F. N. BARNSDALL	ASSIGNMENT	46		
		Ś	JUL	F. N. BARNSDALL	F. L. BARTLETT	ASSIGNMENT	46		
		JE JE		THE PHILADELPHIA COMPANY OF WEST VIRGINIA	PITTSBURG AND WEST VIRGINIA GAS COMPANY	ASSIGNMENT	85		
		epe		LOUIS BENNETT	CRUDE OIL COMPANY	ASSIGNMENT	92		
		tal	00	CRUDE OIL COMPANY, A WV CORP	THE CRUDE OIL COMPANY, A OHIO CORP	ASSIGNMENT	105		
		Pre		THE CRUDE OIL COMPANY	THE FEDERAL OIL & GAS COMPANY	ASSIGNMENT	100		
		2 <u>2</u>	lr.	THE PHILADELPHIA COMPANY OF WEST VIRGINIA	PITTSBURG AND WEST VIRGINIA GAS COMPANY	ASSIGNMENT	125		
		WV Department of Environmental Protection	r -3	THE PHILADELPHIA COMPANY OF WEST VIRGINIA	PITTSBURG AND WEST VIRGINIA GAS COMPANY	DEED	125		
				FRANCIS H. BEAM, SPECIAL MASTER FOR THE FEDERAL OIL AND GAS		· · · · · · · · · · · · · · · · · · ·			
				COMPANY	A. E. MACINTOSH	DEED	141		
				A. E. MACINTOSH	SEPTER W. DOUGLAS	ASSIGNMENT	142		
		02 0050 0007 0000		ELIZABETH H. DOUGLAS, EXECUTRIX OF THE ESTATE OF SEPTER W.					
		03-005C-0007-0000		DOUGLAS	ALFRED D. BARNES	ASSIGNMENT	171		
	54054500	03-005C-0007-0001	Q100429000	ALFRED D. BARNES AND MARION K. BARNES, HIS WIFE	OIL CITY TRUST COMPANY	ASSIGNMENT	172		
. 3	FK051508	03-005C-0007-0002	Q100425000	ALFRED D. BARNES AND MARION K. BARNES, HIS WIFE; AND OIL CITY					
		03-005C-0007-0003		TRUST COMPANY	HOPE NATURAL GAS COMPANY	DEED	172	3	
	1	03-005C-0011-0000		PITTSBURG AND WEST VIRGINIA GAS COMPANY	EQUITABLE GAS COMPANY	ASSIGNMENT	216		
				EQUITABLE GAS COMPANY AND PHILADELPHIA OIL COMPANY	HOPE NATURAL GAS COMPANY	ASSIGNMENT	246		
				HOPE NATURAL GAS COMPANY AND FINLADEEFING OIL COMPANY	CONSOLIDATED GAS SUPPLY CORPORATION	CONFIRMATORY DEED	294	-	
				CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS TRANSMISSION CORPORATION	ASSIGNMENT	425	1	
			1	CONSOLIDATED GAS SOFFET CONFORMION	CNG TRANSMISSION CORPORATION	MERGER/NAME CHANGE	wvsos		

1	1	1		CNG TRANSMISSION CORPORATION	DOMINION TRANSMISSION, INC.	MERGER/NAME CHANGE	WVSOS	
				DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	MEMORANDUM OF FARMOUT AGREEMENT	672	1
				CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	LIMITED PARTIAL ASSIGNMENT (50%)	684	
				DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC AND NOBLE ENERGY, INC.	PARTIAL ASSIGNMENT (32%)	712	8
				CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	ASSIGNMENT	717	
i				NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	722	1
				DOMINON TRANSMISSION, INC.	DOMINION ENERGY TRANSMISSION, INC.	MERGER/NAME CHANGE	WVSOS	
				DOMINON MANSMISSION, NC.		SECOND AMENDMENT TO MEMORANDUM OF		
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	FARMOUT AGREEMENT	723	
						THIRD AMENDMENT TO MEMORANDUM OF	1	
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	FARMOUT AGREEMENT	734	5
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT (68%)	736	
				GEO. W. WAGGONER AND R. M. WAGGONER, HIS WIFE	E. W. BOYD	NOT LESS THAN 1/8	35	
				E. W. BOYD	S. E. BARRETT	ASSIGNMENT	30	
				S. E. BARRETT	LOUIS BENNETT	ASSIGNMENT (50%)	36	
				LOUIS BENNETT	J. M. GUFFEY AND JNO. H. GALEY	ASSIGNMENT	44	
				S. E. BARRETT	J. M. GUFFEY AND JNO. H. GALEY	ASSIGNMENT	44	
				J. M. GUFFEY AND JNO. H. GALEY	THE PHILADELPHIA COMPANY OF WEST VIRGINIA	ASSIGNMENT	44	
		1		THE PHILADELPHIA COMPANY OF WEST VIRGINIA	PITTSBURG AND WEST VIRGINIA GAS COMPANY	ASSIGNMENT	85	
					PITTSBURGH AND WEST VINGINIA GAS COMPANY	ASSIGNMENT	125	
	1			THE PHILADELPHIA COMPANY OF WEST VIRGINIA	PITTSBURG AND WEST VIRGINIA GAS COMPANY	DEED	125	
				THE PHILADELPHIA COMPANY OF WEST VIRGINIA	EQUITABLE GAS COMPANY	ASSIGNMENT	216	
				PITTSBURGH AND WEST VIRGINIA GAS COMPANY				
				EQUITABLE GAS COMPANY AND PHILADELPHIA OIL COMPANY	HOPE NATURAL GAS COMPANY	ASSIGNMENT	246	
				HOPE NATURAL GAS COMPANY	CONSOLIDATED GAS SUPPLY CORPORATION	CONFIRMATORY DEED	294	
		02 005 0 0000 0000	Q100757000	CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS TRANSMISSION CORPORATION	ASSIGNMENT	425	
4	FK051507	03-005C-0008-0000	Q100737000	CONSOLIDATED GAS TRANSMISSION CORPORATION	CNG TRANSMISSION CORPORATION	MERGER/NAME CHANGE	WVSOS	
				CNG TRANSMISSION CORPORATION	DOMINION TRANSMISSION, INC.	MERGER/NAME CHANGE	WVSOS	
	1	1 1		DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	MEMORANDUM OF FARMOUT AGREEMENT	672	
				CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	LIMITED PARTIAL ASSIGNMENT (50%)	684	
				DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC AND NOBLE ENERGY, INC.	PARTIAL ASSIGNMENT (32%)	712	5
				CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	ASSIGNMENT	717	
		1		NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	722	1
				DOMINON TRANSMISSION, INC.	DOMINION ENERGY TRANSMISSION, INC.	MERGER/NAME CHANGE	WVSOS	
						SECOND AMENDMENT TO MEMORANDUM OF		
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	FARMOUT AGREEMENT	723	4
		<u> </u>				THIRD AMENDMENT TO MEMORANDUM OF		
		Enviror	JU JU	DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC		734	
		1 <u>3</u> 4	JU To	DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT (68%)	736	
		31	1 1 1 1	WILLIAM R. BURNSIDE AND ELLA BURNSIDE, HIS WIFE	E. W. BOYD	NOT LESS THAN 1/8	35	2
				E. W. BOYD	S. E. BARRETT	ASSIGNMENT	30	-
			Oil and 8 20	S. E. BARRETT	LOUIS BENNETT	PARTIAL ASSIGNMENT (50%)	36	5
				S. E. BARRETT	J. M. GUFFEY AND JOHN H. GALEY	ASSIGNMENT	44	5
	1			LOUIS BENNETT	J. M. GUFFEY AND JOHN H. GALEY	ASSIGNMENT	44	5
	1	l ed		J. M. GUFFEY AND JOHN H. GALEY	PHILADELPHIA COMPANY OF WEST VIRGINIA	ASSIGNMENT	44	5
	1	l H		PHILADELPHIA COMPANY OF WEST VIRGINIA	PITTSBURGH & WEST VIRGINIA GAS COMPANY	ASSIGNMENT	125	3
		j ž		PITTSBURGH AND WEST VIRGINIA GAS COMPANY	EQUITABLE GAS COMPANY	ASSIGNMENT	216	1
		1		EQUITABLE GAS COMPANY AND PHILADELPHIA OIL COMPANY	HOPE NATURAL GAS COMPANY	ASSIGNMENT	246	1
				HOPE NATURAL GAS COMPANY	CONSOLIDATED GAS SUPPLY CORPORATION	CONFIRMATORY DEED	294	
				CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS TRANSMISSION CORPORATION	ASSIGNMENT	425	1
	1			CONSOLIDATED GAS SUPPLY CORPORATION	CNG TRANSMISSION CORPORATION	MERGER/NAME CHANGE	51	1
63	FK051506	03-005C-0010-0000	Q100271000		DOMINION TRANSMISSION CONFIGURATION	MERGER/NAME CHANGE		6
00	1.051500	03-005C-0010-0003	-	CNG TRANSMISSION CORPORATION	CNX GAS COMPANY LLC	MEMORANDUM OF FARMOUT AGREEMENT	672	
	1			DOMINION TRANSMISSION, INC.		LIMITED PARTIAL ASSIGNMENT (50%)	672	
				CNX GAS COMPANY LLC	NOBLE ENERGY, INC.			
				DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC AND NOBLE ENERGY, INC.	PARTIAL ASSIGNMENT (32%)	712	
				CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	ASSIGNMENT	717	
	1	1		NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	722	1

	1 1	1		DOMINION TRANSMISSION, INC.	DOMINION ENERGY TRANSMISSION, INC.	MERGER/NAME CHANGE	WVSOS	
				DOMINION TRANSMISSION, INC.		SECOND AMENDMENT TO MEMORANDUM OF		
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	FARMOUT AGREEMENT	723	4
				DOMINION ENERGY TRANSMISSION, INC.		THIRD AMENDMENT TO MEMORANDUM OF		
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	FARMOUT AGREEMENT	734	5
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT (68%)	736	2
					SOUTH PENN OIL COMPANY	NOT LESS THAN 1/8	33	1
				MINOR J. HALL AND M. J. HALL, HIS WIFE	HOPE NATURAL GAS COMPANY	ASSIGNMENT	85	1
				SOUTH PENN OIL COMPANY	CONSOLIDATED GAS SUPPLY CORPORATION	CONFIRMATORY DEED	294	
				HOPE NATURAL GAS COMPANY	CONSOLIDATED GAS TRANSMISSION CORPORATION	ASSIGNMENT	425	1
				CONSOLIDATED GAS SUPPLY CORPORATION	CNG TRANSMISSION CORPORATION	MERGER/NAME CHANGE	WVSOS	
		03-004C-0023-0000		CONSOLIDATED GAS TRANSMISSION CORPORATION		MERGER/NAME CHANGE		
		03-004C-0028-0000		CNG TRANSMISSION CORPORATION	DOMINION TRANSMISSION, INC.		WVSOS	
		03-004C-0029-0000		DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	MEMORANDUM OF FARMOUT AGREEMENT	672	1
		03-004C-0030-0000		CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	LIMITED PARTIAL ASSIGNMENT (50%)	684	
64	FK002647	03-004C-0030-0001	Q100363000	DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC AND NOBLE ENERGY, INC.	PARTIAL ASSIGNMENT (32%)	712	8
		03-005C-0009-0000	•	CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	ASSIGNMENT	717	
		03-005C-0009-0001		NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	722	1
		03-005C-0009-0002		DOMINON TRANSMISSION, INC.	DOMINION ENERGY TRANSMISSION, INC.	MERGER/NAME CHANGE	WVSOS	
		03-005C-0014-0000				SECOND AMENDMENT TO MEMORANDUM OF		
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	FARMOUT AGREEMENT	723	4
						THIRD AMENDMENT TO MEMORANDUM OF		
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	FARMOUT AGREEMENT	734	5
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT (68%)	736	2
				HUSBAND, ELSIE STEWART AND CLAUD STEWART, HER HUSBAND, ORIS CAMP, HUSBAND OF GARNETT CAMP, AND ORIS CAMP, GUARDIAN FOR GARNETTE CAMP AND OLIN WARREN	HOPE NATURAL GAS COMPANY	NOT LESS THAN 1/8	144	. 4
					CONSOLIDATED GAS SUPPLY CORPORATION	CONFIRMATORY DEED	294	. 4
				HOPE NATURAL GAS COMPANY CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS TRANSMISSION CORPORATION	ASSIGNMENT	425	1
			· · · ·	CONSOLIDATED GAS STATE COM ONATION	CNG TRANSMISSION CORPORATION	MERGER/NAME CHANGE	WVSOS	
					DOMINION TRANSMISSION, INC.	MERGER/NAME CHANGE	WVSOS	
19	FK049880	03-005C-0006-0000	Q100660000		CNX GAS COMPANY LLC	MEMORANDUM OF FARMOUT AGREEMENT	672	1
15	110 15000			DOMINION TRANSMISSION, INC.	NOBLE ENERGY, INC.	LIMITED PARTIAL ASSIGNMENT (50%)	684	
				CNX GAS COMPANY LLC	CNX GAS COMPANY LLC AND NOBLE ENERGY, INC.	PARTIAL ASSIGNMENT (32%)	712	
				DOMINION TRANSMISSION, INC.	NOBLE ENERGY, INC.	ASSIGNMENT	712	0
		_		CNX GAS COMPANY LLC	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	722	
		En 1		NOBLE ENERGY, INC.	DOMINION ENERGY TRANSMISSION, INC.	MERGER/NAME CHANGE	WVSOS	1
		WV Depaitine Environmental Pr	JUL	DOMINON TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	SECOND AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	723	4
		ner				THIRD AMENDMENT TO MEMORANDUM OF		
		l	⊇mí	DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	FARMOUT AGREEMENT	734	55
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT (68%)	736	22
				SAREPTA NUTTER	SOUTH PENN OIL COMPANY	NOT LESS THAN 1/8	33	22
		nt of ptection		SOUTH PENN OIL COMPANY	HOPE NATURAL GAS COMPANY	ASSIGNMENT	85	1
	1		Cas 12	HOPE NATURAL GAS COMPANY	CONSOLIDATED GAS SUPPLY CORPORATION	CONFIRMATORY DEED	294	
		L R		CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS TRANSMISSION CORPORATION	ASSIGNMENT	425	12
				CONSOLIDATED GAS SOFFET CORPORATION	CNG TRANSMISSION CORPORATION	MERGER/NAME CHANGE	WVSOS	
					DOMINION TRANSMISSION, INC.	MERGER/NAME CHANGE	WVSOS	
				CNG TRANSMISSION CORPORATION	CNX GAS COMPANY LLC	MEMORANDUM OF FARMOUT AGREEMENT	672	
			1	DOMINION TRANSMISSION, INC.	NOBLE ENERGY, INC.	LIMITED PARTIAL ASSIGNMENT (50%)	684	1
		03-004B-0042-0000		CNX GAS COMPANY LLC	CNX GAS COMPANY LLC AND NOBLE ENERGY, INC.	PARTIAL ASSIGNMENT (50%)		
65	FK002646	03-0046-0027-0000	Q100362000	DOMINION TRANSMISSION, INC.		ASSIGNMENT	712	84
	1	03 00 + 2 - 0027 0000	1	CNX GAS COMPANY LLC	NOBLE ENERGY, INC.		717	
				NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	722	17

1	1	1		DOMINION TRANSMISSION, INC.	DOMINION ENERGY TRANSMISSION, INC.	MERGER/NAME CHANGE	WVSOS	
						SECOND AMENDMENT TO MEMORANDUM OF		
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	FARMOUT AGREEMENT	723	
						THIRD AMENDMENT TO MEMORANDUM OF		
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	FARMOUT AGREEMENT	734	
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT (68%)	736	
				L. E. GALL AND HENRIETTA GALL, HIS WIFE	HOPE NATURAL GAS COMPANY	NOT LESS THAN 1/8	58	
				HOPE NATURAL GAS COMPANY	CONSOLIDATED GAS SUPPLY CORPORATION	CONFIRMATORY DEED	294	
				CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS TRANSMISSION CORPORATION	ASSIGNMENT	425	
				CONSOLIDATED GAS TRANSMISSION CORPORATION	CNG TRANSMISSION CORPORATION	MERGER/NAME CHANGE	WVSOS	
				CNG TRANSMISSION CORPORATION	DOMINION TRANSMISSION, INC.	MERGER/NAME CHANGE	WVSOS	
				DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	MEMORANDUM OF FARMOUT AGREEMENT	672	
				CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	LIMITED PARTIAL ASSIGNMENT (50%)	684	
		03-005B-0007-0000		DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC AND NOBLE ENERGY, INC.	PARTIAL ASSIGNMENT (32%)	712	
21	FK004388	03-005B-0008-0000	Q100456000		NOBLE ENERGY, INC.	ASSIGNMENT	717	
21	11001000	03-005B-0009-0000		CNX GAS COMPANY LLC	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	722	
				NOBLE ENERGY, INC.	DOMINION ENERGY TRANSMISSION, INC.	MERGER/NAME CHANGE	wvsos	
				DOMINION TRANSMISSION, INC.		SECOND AMENDMENT TO MEMORANDUM OF	VV V 3 U 3	
						FARMOUT AGREEMENT		
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC		723	
						THIRD AMENOMENT TO MEMORANDUM OF		
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	FARMOUT AGREEMENT ASSIGNMENT (68%)	734	
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC		736	
				J. R. H. STRALEY AND LILLIE STRALEY, HIS WIFE	SOUTH PENN OIL COMPANY	NOT LESS THAN 1/8	33	
				SOUTH PENN OIL COMPANY	HOPE NATURAL GAS COMPANY	ASSIGNMENT	85	
				HOPE NATURAL GAS COMPANY	CONSOLIDATED GAS SUPPLY CORPORATION	CONFIRMATORY DEED	294	
				CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS TRANSMISSION CORPORATION	ASSIGNMENT	425	
				CONSOLIDATED GAS TRANSMISSION CORPORATION	CNG TRANSMISSION CORPORATION	MERGER/NAME CHANGE	WVSOS	
				CNG TRANSMISSION CORPORATION	DOMINION TRANSMISSION, INC.	MERGER/NAME CHANGE	WVSOS	
				DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	MEMORANDUM OF FARMOUT AGREEMENT	672	
	EKOGAOZA	03-004B-0040-0000	Q100559000	CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	LIMITED PARTIAL ASSIGNMENT (50%)	684	
	FK064974	03-004B-0040-0001	Q100983000	DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC AND NOBLE ENERGY, INC.	PARTIAL ASSIGNMENT (32%)	712	
29	FK065438	03-004B-0025-0001	Q100454000	CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	ASSIGNMENT	717	
	FK002595	p/o 03-004B-0018-0000	0100-04000	NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	722	
	1			DOMINON TRANSMISSION, INC.	DOMINION ENERGY TRANSMISSION, INC.	MERGER/NAME CHANGE	wvsos	
						SECOND AMENDMENT TO MEMORANDUM OF		
	1	<u> </u>		DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	FARMOUT AGREEMENT	723	
,		N N	0			THIRD AMENDMENT TO MEMORANDUM OF		
		1 is	JUL	DOMINION ENERGY TRANSMISSION INC	HG ENERGY II APPALACHIA, LLC	FARMOUT AGREEMENT	734	
	1) De	JUL	DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT (68%)	734	
			110,	DOMINION ENERGY TRANSMISSION, INC.		NOT LESS THAN 1/8		
		ntal	CEIVED Oil and 8 20	C. A. COFFINDAFFER, SINGLE	HOPE NATURAL GAS COMPANY	CONFIRMATORY DEED	187	
				HOPE NATURAL GAS COMPANY	CONSOLIDATED GAS SUPPLY CORPORATION	ASSIGNMENT	294	
		Protection	ED 6	CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS TRANSMISSION CORPORATION		425	
		l đ	1 Ca	CONSOLIDATED GAS TRANSMISSION CORPORATION	CNG TRANSMISSION CORPORATION	MERGER/NAME CHANGE	WVSOS	
		l Bra		CNG TRANSMISSION CORPORATION	DOMINION TRANSMISSION, INC.	MERGER/NAME CHANGE	9	
		n on		DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	MEMORANDUM OF FARMOUT AGREEMENT	672	
				CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	LIMITED PARTIAL ASSIGNMENT (50%)	684	
	FK058573		0400004000	DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC AND NOBLE ENERGY, INC.	PARTIAL ASSIGNMENT (32%)	712	
31	FEEHGII0437	03-004B-0039-0000	Q100284000	CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	ASSIGNMENT	717	
			l	NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	722	
				DOMINON TRANSMISSION, INC.	DOMINION ENERGY TRANSMISSION, INC.	MERGER/NAME CHANGE	WVSOS	
						SECOND AMENDMENT TO MEMORANDUM OF		
		1		DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	FARMOUT AGREEMENT	723	
		1				THIRD AMENDMENT TO MEMORANDUM OF		
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	FARMOUT AGREEMENT	734	
	1			DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT (68%)	736	
				DOMINION ENERGY TRANSIVISSIUM, INC.				

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				JASON G. BAILEY AND MINNIE E. BAILEY, HIS WIFE	HOPE NATURAL GAS COMPANY	NOT LESS THAN 1/8	246	14
	FK059388			HOPE NATURAL GAS COMPANY	CONSOLIDATED GAS SUPPLY CORPORATION	CONFIRMATORY DEED	294	8
				CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS TRANSMISSION CORPORATION	ASSIGNMENT	425	12
					CNG TRANSMISSION CORPORATION	MERGER/NAME CHANGE	WVSOS	
				CNG TRANSMISSION CORPORATION	DOMINION TRANSMISSION, INC.	MERGER/NAME CHANGE	WVSOS	
					CNX GAS COMPANY LLC	MEMORANDUM OF FARMOUT AGREEMENT	672	154
					NOBLE ENERGY, INC.	LIMITED PARTIAL ASSIGNMENT (50%)	684	57
		03-004B-0033-0000		CNX GAS COMPANY LLC	CNX GAS COMPANY LLC AND NOBLE ENERGY, INC.	NOT LESS THAN 1/8	692	570
		03-004B-0033-0001	Q100285000	DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC AND NOBLE ENERGY, INC.	PARTIAL ASSIGNMENT (32%)	712	848
66	FK067204	03-004B-0033-0002	Q100995000	DOMINION TRANSMISSION, INC.	NOBLE ENERGY, INC.	ASSIGNMENT	712	040
	FK005787	03-004B-0038-0000		CNX GAS COMPANY LLC	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	722	170
				NOBLE ENERGY, INC.		MERGER/NAME CHANGE	WVSOS	1/
				DOMINION TRANSMISSION, INC.	DOMINION ENERGY TRANSMISSION, INC.	SECOND AMENDMENT TO MEMORANDUM OF		
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	FARMOUT AGREEMENT	723	499
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	723	506
						THIRD AMENDMENT TO MEMORANDUM OF		
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	FARMOUT AGREEMENT	734	558
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT (68%)	736	220
				C. A. COFFINDAFFER, WIDOWER; D. L. COFFINDAFFER AND L. O.				
				COFFINDAFFER, HIS WIFE; GARNETT A. COFFINDAFFER AND BERYL			1	
				COFFINDAFFER, HIS WIFE; WILL E. MORRIS AND CAMELLA MORRIS,				
				HIS WIFE: EVA T. CLEMENS GILL AND W. M. GILL, HER HUSBAND	HOPE NATURAL GAS COMPANY	NOT LESS THAN 1/8	195	8
		03-0048-0032-0000		HOPE NATURAL GAS COMPANY	CONSOLIDATED GAS SUPPLY CORPORATION	CONFIRMATORY DEED	294	8
				CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS TRANSMISSION CORPORATION	ASSIGNMENT	425	12
			Q100497000	CONSOLIDATED GAS TRANSMISSION CORPORATION	CNG TRANSMISSION CORPORATION	MERGER/NAME CHANGE	WVSOS	
				CNG TRANSMISSION CORPORATION	DOMINION TRANSMISSION, INC.	MERGER/NAME CHANGE	WVSOS	
				DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	MEMORANDUM OF FARMOUT AGREEMENT	672	154
67	FK059862				NOBLE ENERGY, INC.	LIMITED PARTIAL ASSIGNMENT (50%)	684	57
0.	FEEHGII0437			CNX GAS COMPANY LLC	CNX GAS COMPANY LLC AND NOBLE ENERGY, INC.	PARTIAL ASSIGNMENT (32%)	712	848
	•			DOMINION TRANSMISSION, INC.	NOBLE ENERGY, INC.	ASSIGNMENT	717	1
				CNX GAS COMPANY LLC	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	722	170
				NOBLE ENERGY, INC.	DOMINION ENERGY TRANSMISSION, INC.	MERGER/NAME CHANGE	WVSOS	1/(
				DOMINON TRANSMISSION, INC.	DUMINIUN ENERGY TRANSMISSION, INC.	SECOND AMENDMENT TO MEMORANDUM OF	VVV3U3	
		ŗ					700	
			<u> </u>	DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC		723	499
						THIRD AMENDMENT TO MEMORANDUM OF		
		WV Dep	FIEC Office of (DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	FARMOUT AGREEMENT	734	558
		arep .	10	DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT (68%)	736	220
	<u> </u>	a		HUNTER M. BENNETT, EXECUTOR AND TRUSTEE OF ALICE B. BENNETT	HOPE NATURAL GAS COMPANY	NOT LESS THAN 1/8	238	428
				WALTER D. NUTTER AND DORA NUTTER, HIS WIFE; WALTER E.				
	FK066252 FK066640	()3-()()4A-(R)(b-(RRR)		NUTTER, SINGEL; BENJAMIN L. NUTTER, SINGLE; AND DAVID H.				
			C.a.5	NUTTER, SINGLE	HOPE NATURAL GAS COMPANY	NOT LESS THAN 1/8	242	217
				HOPE NATURAL GAS COMPANY	CONSOLIDATED GAS SUPPLY CORPORATION	CONFIRMATORY DEED	294	89
				CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS TRANSMISSION CORPORATION	ASSIGNMENT	425	12
			A-0017-0000 Q100310000 A-0016-0000 Q100569000	CONSOLIDATED GAS TRANSMISSION CORPORATION	CNG TRANSMISSION CORPORATION	MERGER/NAME CHANGE	WVSOS	
68				CNG TRANSMISSION CORPORATION	DOMINION TRANSMISSION, INC.	MERGER/NAME CHANGE	9	628
				DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	MEMORANDUM OF FARMOUT AGREEMENT	672	154
					NOBLE ENERGY, INC.	LIMITED PARTIAL ASSIGNMENT (50%)	684	5
					CNX GAS COMPANY LLC AND NOBLE ENERGY, INC.	PARTIAL ASSIGNMENT (32%)	712	848
				DOMINION TRANSMISSION, INC.	NOBLE ENERGY, INC.	ASSIGNMENT	717	
				CNX GAS COMPANY LLC	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	722	170
				NOBLE ENERGY, INC.		MERGER/NAME CHANGE	WVSOS	1/
				DOMINION TRANSMISSION, INC.	DOMINION ENERGY TRANSMISSION, INC.		VV V SUS	
	1 1					SECOND AMENDMENT TO MEMORANDUM OF		
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC		723	499
		1				THIRD AMENDMENT TO MEMORANDUM OF	1	
		1	1	DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	FARMOUT AGREEMENT	734	558

				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT (68%)	736	2					
				GARNET GAS COMPANY	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	777	2					
				PHILLIP E. BURNSIDE	MOUNTAIN V OIL AND GAS COMPANY INC	NOT LESS THAN 1/8	595	1					
12			0102226000	JOHN ROBERT CURREY AND VIRGINIA Y. CURREY, HIS WIFE	MOUNTAIN V OIL AND GAS COMPANY INC	NOT LESS THAN 1/8	595	5					
	CNX260713000 FEE	03-004A-0038-0000	Q102226000	MOUNTAIN VOIL AND GAS INC	CNX GAS COMPANY LLLC	ASSIGNMENT	685	6					
76	CNX260718000 FEE	p/o 03-004B-0045-0000	Q102225000	CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	ASSIGNMENT	717						
				NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	722	1					
			HGII02026	BENNETT LAND MANAGEMENT LLC	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	776	5					
43	N/A	03-004A-0033-0000	HGI102044	KINCHELOE MITIGATION HOLDINGS LLC	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	777	7					
				E. W. WAGGONER; GEO. W. WAGGONER AND R. M. WAGGONER, HIS WIFE; AND HARRIET E. BURNSIDE, WIDOW	RESERVE GAS COMPANY	NOT LESS THAN 1/8	68	5					
				RESERVE GAS COMPANY	HOPE NATURAL GAS COMPANY	MERGER/NAME CHANGE	155	2					
				HOPE NATURAL GAS COMPANY	CONSOLIDATED GAS SUPPLY CORPORATION	CONFIRMATORY DEED	294						
				CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS TRANSMISSION CORPORATION	ASSIGNMENT	425	1					
				CONSOLIDATED GAS TRANSMISSION CORPORATION	CNG TRANSMISSION CORPORATION	MERGER/NAME CHANGE	51	7					
		03-0056-0012-0000		CNG TRANSMISSION CORPORATION	DOMINION TRANSMISSION, INC.	MERGER/NAME CHANGE	9	6					
		03-0056-0013-0000		DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	MEMORANDUM OF FARMOUT AGREEMENT	672	1					
77	FK053264	03-0056-0017-0000	Q101027000	CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	LIMITED PARTIAL ASSIGNMENT (50%)	684						
		03-0056-0024-0000		DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC AND NOBLE ENERGY, INC.	PARTIAL ASSIGNMENT (32%)	712	8					
		p/o 03-0056-0025-0000		CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	ASSIGNMENT	717						
				NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	722	1					
				DOMINION TRANSMISSION, INC.	DOMINION ENERGY TRANSMISSION, INC.	MERGER/NAME CHANGE	wvsos						
					HG ENERGY II APPALACHIA, LLC	SECOND AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	723	· 4					
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	THIRD AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	734	5					
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT (68%)	736	2					
				J. B. HALTERMAN AND M. A. HALTERMAN, HIS WIFE	E. W. BOYD	NOT LESS THAN 1/8	35	2					
				E. W. BOYD	S. E. BARRETT	ASSIGNMENT	30	3					
				S. E. BARRETT	LOUIS BENNETT	PARTIAL ASSIGNMENT (50%)	36	5					
	FK051505			LOUIS BENNETT	J. M. GUFFEY AND JOHN H. GALEY	ASSIGNMENT	44	5					
				J. M. GUFFEY AND JOHN H. GALEY	PHILADELPHIA COMPANY OF WEST VIRGINIA	ASSIGNMENT	44	5					
				PHILADELPHIA COMPANY OF WEST VIRGINIA	PITTSBURGH & WEST VIRGINIA GAS COMPANY	ASSIGNMENT	125	3					
		03-005C-0010-0001 03-005C-0010-0002 03-005C-0016-0000		PHILADELPHIA COMPANY OF WEST VINGINIA	EQUITABLE GAS COMPANY	ASSIGNMENT	216						
				EQUITABLE GAS COMPANY AND PHILADELPHIA OIL COMPANY	HOPE NATURAL GAS COMPANY	ASSIGNMENT	246	1					
					CONSOLIDATED GAS SUPPLY CORPORATION	CONFIRMATORY DEED	294						
				HOPE NATURAL GAS COMPANY	CONSOLIDATED GAS SOFFET CONFORMATION	ASSIGNMENT	425						
				CONSOLIDATED GAS SUPPLY CORPORATION	CNG TRANSMISSION CORPORATION	MERGER/NAME CHANGE		1					
					1	1	1	1	CONSOLIDATED GAS TRANSMISSION CORPORATION			51	79
78			Q100471000	CNG TRANSMISSION CORPORATION	DOMINION TRANSMISSION, INC.	MERGER/NAME CHANGE	9	62					
				DOMINION TRANSMISSION, INC.		MEMORANDUM OF FARMOUT AGREEMENT	672	1					
				CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	LIMITED PARTIAL ASSIGNMENT (50%)	684						
				DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC AND NOBLE ENERGY, INC.	PARTIAL ASSIGNMENT (32%)	712	- 84					
				CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	ASSIGNMENT	717	·					
				NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	722	17					
		Ţ.		DOMINION TRANSMISSION, INC.	DOMINION ENERGY TRANSMISSION, INC.	MERGER/NAME CHANGE	WVSOS						
		JUL WV Depart	Office of O			SECOND AMENDMENT TO MEMORANDUM OF							
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	FARMOUT AGREEMENT	723	49					
						THIRD AMENDMENT TO MEMORANDUM OF							
		jer (0 H	DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	FARMOUT AGREEMENT	734	55					
			70	DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT (68%)	736	22					
	<i>,</i>		IVED										

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

4704105732

June 29, 2022

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

RE: Drilling Under Roads – Vaneck 1215 N-1H Freemans Creek District, Lewis County West Virginia

Dear Mr. Blevins -

HG Energy II Appalachia, LLC, is submitting the attached application for a new well work permit for the Vaneck 1215 well pad. As an authorized representative, I certify HG Energy II Appalachia, LLC, has the right to drill, stimulate, extract, produce and market the oil, gas or condensate for all leases through which the Vaneck 1215 laterals will drill through including any and all roads crossed under as identified on the attached survey plat.

Should you have any questions or desire further information, please contact me at dwhite@hgenergyllc.com or 304-420-1119.

Very truly yours,

Diane White

Diane C. White

Enclosures

RECEIVED Office of Oil and Gas

JUL 8 2022

VV Department of Environmental Protection

STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS <u>NOTICE CERTIFICATION</u>

Date of Notice Certification: 07/05/2022

API No. 47-_____ Operator's Well No. Vaneck 1215 N-1H Well Pad Name: Vaneck 1215 Well Pad

Notice has been given:

Pursuant to the provisions in West Virginia Code § 22-6A, the Operator has provided the required parties with the Notice Forms listed below for the tract of land as follows:

State:	West Virginia		Easting:	539080.4	_
County:	Lewis	UTM NAD 83	Northing:	4329858.9	_
District:	Freemans Creek	Public Road Ac	cess:	Mare Run Road / CR 10 / 9	_
Quadrangle:	Camden WV 7.5's	Generally used	farm name:	Vaneck	
Watershed:	Middle West Fork Creek				

Pursuant to West Virginia Code § 22-6A-7(b), every permit application filed under this section shall be on a form as may be prescribed by the secretary, shall be verified and shall contain the following information: (14) A certification from the operator that (i) it has provided the owners of the surface described in subdivisions (1), (2) and (4), subsection (b), section ten of this article, the information required by subsections (b) and (c), section sixteen of this article; (ii) that the requirement was deemed satisfied as a result of giving the surface owner notice of entry to survey pursuant to subsection (a), section ten of this article six-a; or (iii) the notice requirements of subsection (b), section sixteen of this article were waived in writing by the surface owner; and Pursuant to West Virginia Code § 22-6A-11(b), the applicant shall tender proof of and certify to the secretary that the notice requirements of section ten of this article by the applicant.

Pursuant to West Virginia Code § 22-6A, the Opthat the Operator has properly served the required *PLEASE CHECK ALL THAT APPLY	erator has attached proof to this Notice Certification d parties with the following:	OOG OFFICE USE ONLY
□ 1. NOTICE OF SEISMIC ACTIVITY or	NOTICE NOT REQUIRED BECAUSE NO SEISMIC ACTIVITY WAS CONDUCTED	RECEIVED/ NOT REQUIRED
2. NOTICE OF ENTRY FOR PLAT SURV	EY or \Box NO PLAT SURVEY WAS CONDUCTED	RECEIVED
3. NOTICE OF INTENT TO DRILL or	□ NOTICE NOT REQUIRED BECAUSE NOTICE OF ENTRY FOR PLAT SURVEY WAS CONDUCTED or	RECEIVED/ NOT REQUIRED
	WRITTEN WAIVER BY SURFACE OWNER (PLEASE ATTACH)	
4. NOTICE OF PLANNED OPERATION	RECEIVED	
5. PUBLIC NOTICE	RECEIVED Office of Oil and Gas	
6. NOTICE OF APPLICATION	JUL 8 2022 WV Depailment of Environmental Protection	

Required Attachments:

The Operator shall attach to this Notice Certification Form all Notice Forms and Certifications of Notice that have been provided to the required parties and/or any associated written waivers. For the Public Notice, the operator shall attach a copy of the Class II Legal Advertisement with publication date verification or the associated Affidavit of Publication. The attached Notice Forms and Certifications of Notice shall serve as proof that the required parties have been noticed as required under West Virginia Code § 22-6A. Pursuant to West Virginia Code § 22-6A-11(b), the Certification of Notice to the person may be made by affidavit of personal service, the return receipt card or other postal receipt for certified mailing.



Certification of Notice is hereby given:

Well Operator:	HG II Appalachia, LLC	Address:	5260 Dupont Road
By:	Diane White Diane White		Parkersburg, WV 26101
Its:	Agent	Facsimile:	304-863-3172
Telephone:	304-420-1119	Email:	dwhite@hgenergyllc.com

OFFICIAL SEAL STATE OF WEST VIRGINIA	Subscribed and sworn before me this 5th day of July, 20	Notary Public
NOTARY PUBLIC CASSIDY A. BOARDMAN 5301 13th Ave Vienna, WV 26105 My Commission Expires July 31, 2022	My Commission Expires 7 31 2022	

Oil and Gas Privacy Notice:

The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use or your personal information, please contact DEP's Chief Privacy Officer at <u>depprivacyofficer@wv.gov</u>.

RECOVED Office of Call and Gas

JUL 8 2022

WV Department of Environmental Protection

WW-6A (9-13)

4704105732

API NO. 47-OPERATOR WELL NO. Voneck 1215 N1H-S12H Well Pad Name: Vaneck 1215

STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS NOTICE OF APPLICATION

Notice Time Requirement: notice shall be provided no later than the filing date of permit application.

Date of Notice: 01/17/2022	Date Permit Application Filed:	01/25/22
Notice of:	2	4

\checkmark	PERMIT FOR AN		CATE OF APPROVAL FOR THE
	WELL WORK	CONSTI	RUCTION OF AN IMPOUNDMENT OR PIT
Deli	ivery method pursu	ant to West Virginia Co	ode § 22-6A-10(b)
	PERSONAL SERVICE	REGISTERED MAIL	METHOD OF DELIVERY THAT REQUIRES A RECEIPT OR SIGNATURE CONFIRMATION
Purs	suant to W. Va. Code	§ 22-6A-10(b) no later the	an the filing date of the application, the applicant for a permit for any well work or for a poundment or pit as required by this article shall deliver, by personal service or by

by personal service or by registered mail or by any method of delivery that requires a receipt or signature confirmation, copies of the application, the erosion and sediment control plan required by section seven of this article, and the well plat to each of the following persons: (1) The owners of record of the surface of the tract on which the well is or is proposed to be located; (2) The owners of record of the surface tract or tracts overlying the oil and gas leasehold being developed by the proposed well work, if the surface tract is to be used for roads or other land disturbance as described in the erosion and sediment control plan submitted pursuant to subsection (c), section seven of this article; (3) The coal owner, operator or lessee, in the event the tract of land on which the well proposed to be drilled is located [sic] is known to be underlain by one or more coal seams; (4) The owners of record of the surface tract or tracts overlying the oil and gas leasehold being developed by the proposed well work, if the surface tract is to be used for the placement, construction, enlargement, alteration, repair, removal or abandonment of any impoundment or pit as described in section nine of this article; (5) Any surface owner or water purveyor who is known to the applicant to have a water well, spring or water supply source located within one thousand five hundred feet of the center of the well pad which is used to provide water for consumption by humans or domestic animals; and (6) The operator of any natural gas storage field within which the proposed well work activity is to take place. (c)(1) If more than three tenants in common or other co-owners of interests described in subsection (b) of this section hold interests in the lands, the applicant may serve the documents required upon the person described in the records of the sheriff required to be maintained pursuant to section eight, article one, chapter eleven-a of this code. (2) Notwithstanding any provision of this article to the contrary, notice to a lien holder is not notice to a landowner, unless the lien holder is the landowner. W. Va. Code R. § 35-8-5.7.a requires, in part, that the operator shall also provide the Well Site Safety Plan ("WSSP") to the surface owner and any water purveyor or surface owner subject to notice and water testing as provided in section 15 of this rule.

Application Notice WSSP Notice E & S Plan Notice Well Plat Notice is hereby provided to:

Name:	CE OWNER(s) K Not noticed as Su Gwnco i's also HG Energy II Appalachia, LLC (pad and road)	operator	COAL OWNER OR LESSEE	Office of Oil and Gas
Address:	5260 Dupont Road		Address:	
	Parkersburg, WV 26101			JUL 8 2022
Name:			COAL OPERATOR	O LOLL
Address:			Name: NA	WWWBpa ment of
	e Contraction and a second		Address:	Envirunmental Protection
U SURFA	CE OWNER(s) (Road and/or Other Distu	rbance)		
Name:	Nancy Hayhurst		SURFACE OWNER OF WATER WELL	
Address:	195 Rexroad Drive		AND/OR WATER PURVEYOR(s)	
	Weston, WV 26452		Name: Charles Curtis Gary Stalnaker Timothy Ritlenh	ouse 🔨
Name:	Woody Lumber Company 🖌		Address: 377 Elk Lick Road 179 Elk Lick Road 1729 R Freemans I	Tresk.
Address:	201 Vicksburg Road		Weston, WV 26452 Weston, WV 26452 Weston, WV 26	3452
	Buckhannon, WV 26201		OPERATOR OF ANY NATURAL GAS ST	ORAGE FIELD
T SURFA	CE OWNER(s) (Impoundments or Pits)		Name: Dominion Energy Transmission - Attn: Ronald Wale	fren v
Name:			Address: 925 White Oaks Blvd	
Address:			Bridgeport, WV 26330	
			*Please attach additional forms if necessary	

WW-6A (8-13) API NO. 47-OPERATOR WELL NO. Vanuel: 1215 N1H-S12H Well Pad Name: Vanuel: 1215

Notice is hereby given:

Pursuant to West Virginia Code § 22-6A-10(b), notice is hereby given that the undersigned well operator has applied for a permit for well work or for a certificate of approval for the construction of an impoundment or pit.

This Notice Shall Include:

Pursuant to W. Va. Code § 22-6A-10(b), this notice shall include: (1) copies of the application; (2) the erosion and sediment control plan required by section seven of this article; and (3) the well plat.

Pursuant to W. Va. Code § 22-6A-10(f), this notice shall include: (1) a statement of the time limits for filing written comments; (2) who may file written comments; (3) the name and address of the secretary for the purpose of filing the comments and obtaining additional information; and (4) a statement that the persons may request, at the time of submitting written comments, notice of the permit decision and a list of persons qualified to test water.

Pursuant to W. Va. Code R. § 35-8-5.7.a, the operator shall provide the Well Site Safety Plan to the surface owner and any water purveyor or surface owner subject to notice and water testing as provided in section 15 of this rule.

Pursuant to W. Va. Code R. § 35-8-15.2.c, this notice shall: (1) contain a statement of the surface owner's and water purveyor's right to request sampling and analysis; (2) advise the surface owner and water purveyor of the rebuttable presumption for contamination or deprivation of a fresh water source or supply; advise the surface owner and water purveyor that refusal to allow the operator to conduct a pre-drilling water well test constitutes a method to rebut the presumption of liability; (3) advise the surface owner and water purveyor of his or her independent right to sample and analyze any water supply at his or her own expense; advise the surface owner and water purveyor whether or not the operator will utilize an independent laboratory to analyze any sample; and (4) advise the surface owner and or water purveyor that he or she can obtain from the Chief a list of water testing laboratories in the subject area capable of and qualified to test water supplies in accordance with standard acceptable methods.

Additional information related to horizontal drilling may be obtained from the Secretary, at the WV Department of Environmental Protection headquarters, located at 601 57th Street, SE, Charleston, WV 25304 (304-926-0450) or by visiting <u>www.dep.wv.gov/oil-and-gas/pages/default.aspx</u>.

Well Location Restrictions

Pursuant to W. Va. Code § 22-6A-12, Wells may not be drilled within two hundred fifty feet measured horizontally from any existing water well or developed spring used for human or domestic animal consumption. The center of well pads may not be located within six hundred twenty-five feet of an occupied dwelling structure, or a building two thousand five hundred square feet or larger used to house or shelter dairy cattle or poultry husbandry. This limitation is applicable to those wells, developed springs, dwellings or agricultural buildings that existed on the date a notice to the surface owner of planned entry for surveying or staking as provided in section ten of this article or a notice of intent to drill a horizontal well as provided in subsection (b), section sixteen of this article was provided, whichever occurs first, and to any dwelling under construction prior to that date. This limitation may be waived by written consent of the surface owner transmitted to the department and recorded in the real property records maintained by the clerk of the county commission for the county in which such property is located. Furthermore, the well operator may be granted a variance by the secretary from these distance restrictions upon submission of a plan which identifies the sufficient measures, facilities or practices to be employed during well site construction, drilling and operations. The variance, if granted, shall include terms and conditions the department requires to ensure the safety and protection of affected persons and property. The terms and conditions may include insurance, bonding and indemnification, as well as technical requirements. (b) No well pad may be prepared or well drilled within one hundred feet measured horizontally from any perennial stream, natural or artificial lake, pond or reservoir, or a wetland, or within three hundred feet of a naturally reproducing trout stream. No well pad may be located within one thousand feet of a surface or ground water intake of a public water supply. The distance from the public water supply as identified by the department shall be measured as follows: (1) For a surface water intake on a lake or reservoir, the distance shall be measured from the boundary of the lake or reservoir. (2) For a surface water intake on a flowing stream, the distance shall be measured from a semicircular radius extending upstream of the surface water intake. (3) For a groundwater source, the distance shall be measured from the wellhead or spring. The department may, in its discretion, waive these distance restrictions upon submission of a plan identifying sufficient measures, facilities or practices to be employed during well site construction, drilling and operations to protect the waters of the state. A waiver, if granted, shall impose any permit conditions as the secretary considers necessary. (c) Notwithstanding the foregoing provisions of this section, nothing contained in this section prevents an operator from conducting the activities permitted or authorized by a Clean Water Act Section 404 permit or other approval from the United States Army Corps of Engineers within any waters of the state or within the restricted areas referenced in this section. (d) The well location restrictions set forth in this section shall not apply to any well on a multiple well pad if at least one of the wells was permitted prior to the effective date of this article. (e) The secretary shall, by December 31, 2012, report to the Legislature on the noise, light, dust and volatile organic compounds generated by the drilling of horizontal wells as they relate to the well location restrictions regarding occupied dwelling structures pursuant to this section. Upon a finding, if any, by the secretary that the well location restrictions regarding occupied dwelling structures are inadequate or otherwise require alteration to address the items

WW-6A (8-13)

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API NO. 47-

OPERATOR WELL NO. Vaneck 1215 N1H-S12H Well Pad Name: Vaneck 1215

examined in the study required by this subsection, the secretary shall have the authority to propose for promulgation legislative rules establishing guidelines and procedures regarding reasonable levels of noise, light, dust and volatile organic compounds relating to drilling horizontal wells, including reasonable means of mitigating such factors, if necessary.

Water Well Testing:

Pursuant to West Virginia Code § 22-6A-10(d), notification shall be made, with respect to surface landowners identified in subsection (b) or water purveyors identified in subdivision (5), subsection (b) of this section, of the opportunity for testing their water well. The operator shall provide an analysis to such surface landowner or water purveyor at their request.

Water Testing Laboratories:

Pursuant to West Virginia Code § 22-6A-10(i), persons entitled to notice pursuant to subsection (b) of this section may contact the department to ascertain the names and locations of water testing laboratories in the subject area capable and qualified to test water supplies in accordance with standard accepted methods. In compiling that list of names the department shall consult with the state Bureau for Public Health and local health departments. A surface owner and water purveyor has an independent right to sample and analyze any water supply at his or her own expense. The laboratory utilized by the operator shall be approved by the agency as being certified and capable of performing sample analyses in accordance with this section.

Rebuttable Presumption for Contamination or Deprivation of a Fresh Water Source or Supply:

W. Va. Code § 22-6A-18 requires that (b) unless rebutted by one of the defenses established in subsection (c) of this section, in any action for contamination or deprivation of a fresh water source or supply within one thousand five hundred feet of the center of the well pad for horizontal well, there is a rebuttable presumption that the drilling and the oil or gas well or either was the proximate cause of the contamination or deprivation of the fresh water source or supply. (c) In order to rebut the presumption of liability established in subsection (b) of this section, the operator must prove by a preponderance of the evidence one of the following defenses: (1) The pollution existed prior to the drilling or alteration activity as determined by a predrilling or prealteration water well test. (2) The landowner or water purveyor refused to allow the operator access to the property to conduct a predrilling or prealteration water well test. (3) The water supply is not within one thousand five hundred feet of the well. (4) The pollution occurred more than six months after completion of drilling or alteration activities. (5) The pollution occurred as the result of some cause other than the drilling or alteration activity. (d) Any operator electing to preserve its defenses under subdivision (1), subsection (c) of this section shall retain the services of an independent certified laboratory to conduct the predrilling or prealteration water well test. A copy of the results of the test shall be submitted to the department and the surface owner or water purveyor in a manner prescribed by the secretary. (e) Any operator shall replace the water supply of an owner of interest in real property who obtains all or part of that owner's supply of water for domestic, agricultural, industrial or other legitimate use from an underground or surface source with a comparable water supply where the secretary determines that the water supply has been affected by contamination, diminution or interruption proximately caused by the oil or gas operation, unless waived in writing by that owner. (f) The secretary may order the operator conducting the oil or gas operation to: (1) Provide an emergency drinking water supply within twenty-four hours; (2) Provide temporary water supply within seventy-two hours; (3) Within thirty days begin activities to establish a permanent water supply or submit a proposal to the secretary outlining the measures and timetables to be used in establishing a permanent supply. The total time in providing a permanent water supply may not exceed two years. If the operator demonstrates that providing a permanent replacement water supply cannot be completed within two years, the secretary may extend the time frame on case-by-case basis; and (4) Pay all reasonable costs incurred by the real property owner in securing a water supply. (g) A person as described in subsection (b) of this section aggrieved under the provisions of subsections (b), (e) or (f) of this section may seek relief in court... (i) Notwithstanding the denial of the operator of responsibility for the damage to the real property owner's water supply or the status of any appeal on determination of liability for the damage to the real property owner's water supply, the operator may not discontinue providing the required water service until authorized to do so by the secretary or a court of competent jurisdiction.

Written Comment:

Pursuant to West Virginia Code § 22-6A-11(a), all persons described in subsection (b), section ten of this article may file written comments with the secretary as to the location or construction of the applicant's proposed well work within thirty days after the application is filed with the secretary. All persons described in West Virginia Code § 22-6A-10(b) may file written comments as to the location or construction of the applicant's proposed well work to the Secretary at:

Chief, Office of Oil and Gas Department of Environmental Protection 601 57th St. SE Charleston, WV 25304 (304) 926-0450 Office of Oil and Cas

JUL

WV Department of Environmental Protection

8 2022

08/19/2022

Such persons may request, at the time of submitting written comments, notice of the permit decision and a list of persons qualified to test water. NOTE: YOU ARE NOT REQUIRED TO FILE ANY COMMENT.

OPERATOR WELL NO. Vaneok 1215 N1H - S12H

Well Pad Name: Vaneck 1215

API NO. 47-

WW-6A (8-13)

Time Limits and Methods for Filing Comments.

The law requires these materials to be served on or before the date the operator files its Application. You have THIRTY (30) DAYS after the filing date to file your comments. Comments must be filed in person or received in the mail by the Chief's office by the time stated above. You may call the Chief's office to be sure of the date. Check with your postmaster to ensure adequate delivery time or to arrange special expedited handling. If you have been contacted by the well operator and you have signed a "voluntary statement of

Pursuant to West Virginia Code § 22-6A-11(c)(2), Any objections of the affected coal operators and coal seam owners and lessees shall be addressed through the processes and procedures that exist under sections fifteen, seventeen and forty, article six of this chapter, as applicable and as incorporated into this article by section five of this article. The written comments filed by the parties entitled to notice under subdivisions (1), (2), (4), (5) and (6), subsection (b), section ten of this article shall be considered by the secretary in the permit issuance process, but the parties are not entitled to participate in the processes and proceedings that exist under sections fifteen, seventeen or forty, article six of this chapter, as applicable and as incorporated into this article by section five of this article.

Comment Requirements

Your comments must be in writing and include your name, address and telephone number, the well operator's name and well number and the approximate location of the proposed well site including district and county from the application. You may add other documents, such as sketches, maps or photographs to support your comments.

Disclaimer: All comments received will be placed on our web site http://www.dep.wv.gov/oil-and-gas/Horizontal-

no objection" to the planned work described in these materials, then the permit may be issued at any time.

Permits/Pages/default.aspx and the applicant will automatically be forwarded an email notice that such comments have been submitted. The applicant will be expected to provide a response to comments submitted by any surface owner, water purveyor or natural gas storage operator noticed within the application.

Permit Denial or Condition

The Chief has the power to deny or condition a well work permit. Pursuant to West Virginia Code § 22-6A-8(d), the permit may not be issued or be conditioned, including conditions with respect to the location of the well and access roads prior to issuance if the director determines that:

- (1) The proposed well work will constitute a hazard to the safety of persons;
- (2) The plan for soil erosion and sediment control is not adequate or effective:
- (3) Damage would occur to publicly owned lands or resources; or
- (4) The proposed well work fails to protect fresh water sources or supplies.

A permit may also be denied under West Virginia Code § 22-6A-7(k), the secretary shall deny the issuance of a permit if the secretary determines that the applicant has committed a substantial violation of a previously issued permit for a horizontal well, including the applicable erosion and sediment control plan associated with the previously issued permit, or a substantial violation of one or more of the rules promulgated under this article, and in each instance has failed to abate or seek review of the violation within the time prescribed by the secretary pursuant to the provisions of subdivisions (1) and (2), subsection (a), section five of this article and the rules promulgated hereunder, which time may not be unreasonable.

Pursuant to West Virginia Code § 22-6A-10(g), any person entitled to submit written comments to the secretary pursuant to subsection (a), section eleven of this article, shall also be entitled to receive from the secretary a copy of the permit as issued or a copy of the order modifying or denying the permit if the person requests receipt of them as a part of the written comments submitted concerning the permit application. Such persons may request, at the time of submitting written comments, notice of the permit decision and a list of persons qualified to test water.

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> > JUL 8 2022

Liv irepariment of Environmental Protection

API NO. 47-OPERATOR WELL NO. Vaneck 1215 N1H-S12H Well Pad Name: Vaneck 1215

Notice is hereby given by:

WW-6A

(8-13)

Well Operator:	HG Energy II Appalachia, LLC	
Telephone:	304-420-1119	
Email:	dwhite@hgenergyllc.com	Diane white

Address:	5260 Dupont Road	
	Parkersburg, WV 26101	
Facsimile:	304-863-2172	

Oil and Gas Privacy Notice:

The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use or your personal information, please contact DEP's Chief Privacy Officer at <u>depprivacyofficer@wv.gov</u>.

OFFICIAL SEAL NOTARY PUBLIC STATE OF WEST VIRGINIA Mark J Schall HG Energy LLC 5260 DUPONT ROAD PARKERSBURG WV 26105 ISSION FXPIRES NOVEMBER 2, 2021

Subscribed and sworn before me this 17th day of January , 2022 Notary Public My Commission Expires 11/2/2026

DECEIVED Offer of Oil and Gas

JUL 8 2022

WV Department of Environmental Protection



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

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January\19, 2022

Dominion Energy Transmission Attn: Ronald Waldren 925 White Oaks Blvd Bridgeport, WV 26330

RE: Vaneck 1215 N-1H – S-12H Well Work Permit Applications - Notification Freemans Creek District, Lewis County West Virginia

Dear Sir -

Enclosed are copies of various application papers that we will be filing with the West Virginia Department of Environmental Protection (WVDEP), Office of Oil and Gas. A well work permit is being requested for the above-referenced well.

Pursuant to WV Code Chapter 22B, Article 6, you are receiving copies of this correspondence because the well or other anticipated disturbance is located on your surface property. Your rights as a surface owner (road) are detailed in the enclosed permit application papers.

No action on your part is required. If you have any questions or comments regarding this application, you may call this office at (304) 420-1119.

Very truly yours,

Diane White

Diane C. White

Enclosures

RECEIVED Office of Oil and Gas

JUL 8 2022

WV Department of Environmental Protection





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

January\19, 2022

Timothy Rittenhouse 1729 R Freeman's Creek Weston, WV 26452

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Very truly yours,

Diane White

Diane C. White

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JUL 8 2022

WV Department of Environmental Protection 08/19/2022



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

January\19, 2022

Gary Stalnaker 179 Elk Lick Road Weston, WV 26452

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Diane White

Diane C. White

Enclosures

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JUL 8 2022

UV Department of Environmental Protection





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

January\19, 2022

Charlie Curtis 377 Elk Lick Road Weston, WV 26452

RE: Vaneck 1215 N-1H – S-12H Well Work Permit Applications - Notification Freemans Creek District, Lewis County West Virginia

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Very truly yours,

Diane White

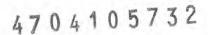
Diane C. White

Enclosures

RECEIVED Office of Oil and Gas

JUL 8 2022

WV Department of Environmental Protection





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

January\19, 2022

Woody Lumber Company 201 Vicksburg Road Buckhannon, WV 26201

RE: Vaneck 1215 N-1H – S-12H Well Work Permit Applications - Notification Freemans Creek District, Lewis County West Virginia

Dear Sir -

Enclosed are copies of various application papers that we will be filing with the West Virginia Department of Environmental Protection (WVDEP), Office of Oil and Gas. A well work permit is being requested for the above-referenced well.

Pursuant to WV Code Chapter 22B, Article 6, you are receiving copies of this correspondence because the well or other anticipated disturbance is located on your surface property. Your rights as a surface owner (road) are detailed in the enclosed permit application papers.

No action on your part is required. If you have any questions or comments regarding this application, you may call this office at (304) 420-1119.

Very truly yours,

Diane White

Diane C. White

Enclosures

NEOENED Office of Gilland Gas

JUL 8 2022

WV Department of Environmental Protection



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

January\19, 2022

Nancy Hayhurst 195 Rexroad Drive Weston, WV 26452

RE: Vaneck 1215 N-1H – S-12H Well Work Permit Applications - Notification Freemans Creek District, Lewis County West Virginia

Dear Ms. Hayhurst -

Enclosed are copies of various application papers that we will be filing with the West Virginia Department of Environmental Protection (WVDEP), Office of Oil and Gas. A well work permit is being requested for the above-referenced well.

Pursuant to WV Code Chapter 22B, Article 6, you are receiving copies of this correspondence because the well or other anticipated disturbance is located on your surface property. Your rights as a surface owner (road) are detailed in the enclosed permit application papers.

No action on your part is required. If you have any questions or comments regarding this application, you may call this office at (304) 420-1119.

Very truly yours,

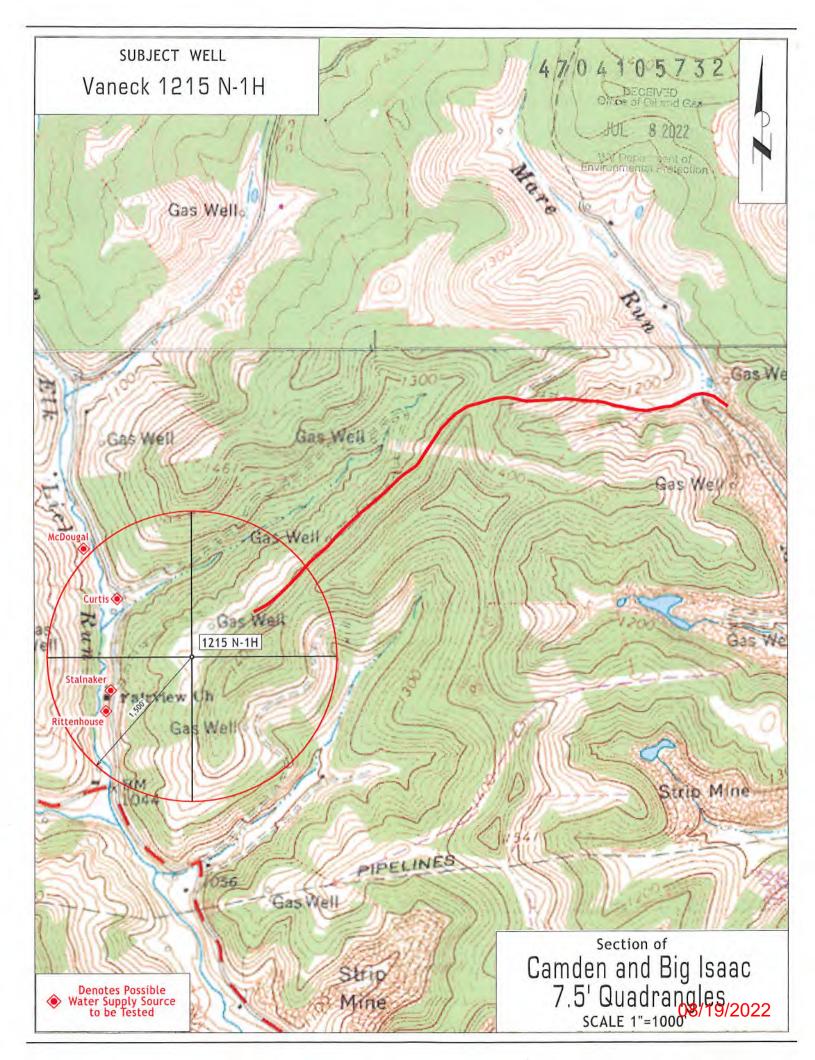
Diane White

Diane C. White

Enclosures

RECEIVED Office of Oil and Cas JUL 8 2022

WV Department of Environmental Protection



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(1/12)	

STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS NOTICE OF INTENT TO DRILL

Pursuant to W. Va. Code § 22-6A-16(b), the Notice of Intent to Drill is only required if the notice requirements of W. Va. Code § 22-6A-10(a) have NOT been met or if the Notice of Intent to Drill requirement has NOT been waived in writing by the surface owner.

Notice Time Requirement: Notice shall be provided at least TEN (10) days prior to filing a permit application. Date of Notice: 01/17/2022 Date Permit Application Filed: 01/27/2022

Delivery method pursuant to West Virginia Code § 22-6A-16(b)

HAND	CERTIFIED MAIL
DELIVERY	RETURN RECEIPT REQUESTED

Pursuant to W. Va. Code § 22-6A-16(b), at least ten days prior to filing a permit application, an operator shall, by certified mail return receipt requested or hand delivery, give the surface owner notice of its intent to enter upon the surface owner's land for the purpose of drilling a horizontal well: *Provided*, That notice given pursuant to subsection (a), section ten of this article satisfies the requirements of this subsection as of the date the notice was provided to the surface owner: *Provided*, *however*, That the notice requirements of this subsection may be waived in writing by the surface owner. The notice, if required, shall include the name, address, telephone number, and if available, facsimile number and electronic mail address of the operator and the operator's authorized representative.

Notice is hereby provided to the SURFACE OWNER(s): * Notice not sent as Surface Dwner i's also Operator

Name: Address:	HG Energy II Appalachia, LLC	Name:
	5260 Dupont Road	Address:
	Parkersburg, WV 26101	

Notice is hereby given:

Pursuant to West Virginia Code § 22-6A-16(b), notice is hereby given that the undersigned well operator has an intent to enter upon the surface owner's land for the purpose of drilling a horizontal well on the tract of land as follows:

State:	West Virginia	TITE CALLER OF	Easting:	539089.4	_
County:	Lewis	– UTM NAD 83	Northing:	4329869.2	
District:	Freemans Greek	Public Road Ac	cess:	Mare Run Road/ CR 10 / 9	
Quadrangle:	Camden WV 7.5'	Generally used	farm name:	Vaneck	
Watershed:	Middle West Fork Creek				

This Notice Shall Include:

Pursuant to West Virginia Code § 22-6A-16(b), this notice shall include the name, address, telephone number, and if available, facsimile number and electronic mail address of the operator and the operator's authorized representative. Additional information related to horizontal drilling may be obtained from the Secretary, at the WV Department of Environmental Protection headquarters, located at 601 57th Street, SE, Charleston, WV 25304 (304-926-0450) or by visiting <u>www.dep.wv.gov/oil-and-gas/pages/default.aspx</u>.

Notice is hereby given by:

Well Operator:	HG Energy II Appalachia, LLC	Authorized Representative:	Diane White	RECEIVED
Address:	5260 Dupont Road	Address:	5260 Dupont Road	Office of Oil and Gas
	Parkersburg, WV 26101		Parkersburg, WV 26101	JUL 8 2022
Telephone:	304-420-1119	Telephone:	304-420-1119	JUL OLULL
Email:	dwhite@hgenergyllc.com Diane White	Email:	dwhite@hgenergyllc.com	WV Department of
Facsimile:	304-863-3172	Facsimile:	304-863-3172	Environmental Protection

Oil and Gas Privacy Notice:

The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use or your personal information, please contact DEP's Chief Privacy Officer at <u>depprivacyofficer@wv.gov</u>.

STATE OF WEST VIRGINIA 4704105732 DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS NOTICE OF PLANNED OPERATION

Notice Time Requirement: notice shall be provided no later than the filing date of permit application. Date of Notice: 01/18/2022 Date Permit Application Filed: 01/27/2022

Delivery method pursuant to West Virginia Code § 22-6A-16(c)

Ш	CERTIFIED MAIL	H
	DETUDAL DECEMPT DECURCTED	D

RETURN RECEIPT REQUESTED

HAND DELIVERY

Pursuant to W. Va. Code § 22-6A-16(c), no later than the date for filing the permit application, an operator shall, by certified mail return receipt requested or hand delivery, give the surface owner whose land will be used for the drilling of a horizontal well notice of the planned operation. The notice required by this subsection shall include: (1) A copy of this code section; (2) The information required to be provided by subsection (b), section ten of this article to a surface owner whose land will be used in conjunction with the drilling of a horizontal well; and (3) A proposed surface use and compensation agreement containing an offer of compensation for damages to the surface affected by oil and gas operations to the extent the damages are compensable under article six-b of this chapter. (d) The notices required by this section shall be given to the surface owner at the address listed in the records of the sheriff at the time of notice.

Notice is hereby provided to the SURFACE OWNER(s) * Notice not sent as Surface Owners are also the Operators.

(at the address listed in the records of the sheriff at the time of notice):

Name: Address:	HG Energy II Appalachia, LLC	Name:
	5260 Dupont Road	Address:
	Parkersburg, WV 26101	

Notice is hereby given:

Pursuant to West Virginia Code § 22-6A-16(c), notice is hereby given that the undersigned well operator has developed a planned operation on the surface owner's land for the purpose of drilling a horizontal well on the tract of land as follows:

State:	West Virginia	UTM NAD 83	Easting:	539089.4	
County:	Lewis	01M NAD 85	Northing:	4329869.2	
District:	Freemans Creek	Public Road Acc	ess:	Mare Run Road / CR 10 / 9	
Quadrangle:	Camden WV 7.5'	Generally used fa	arm name:	Vaneck.	
Watershed:	Middle West Fork Creek				

This Notice Shall Include:

Pursuant to West Virginia Code § 22-6A-16(c), this notice shall include: (1)A copy of this code section; (2) The information required to be provided by **W. Va. Code § 22-6A-10(b)** to a surface owner whose land will be used in conjunction with the drilling of a horizontal well; and (3) A proposed surface use and compensation agreement containing an offer of compensation for damages to the surface affected by oil and gas operations to the extent the damages are compensable under article six-b of this chapter. Additional information related to horizontal drilling may be obtained from the Secretary, at the WV Department of Environmental Protection headquarters, located at 601 57th Street, SE, Charleston, WV 25304 (304-926-0450) or by visiting <u>www.dep.wv.gov/oil-and-gas/pages/default.aspx</u>.

Well Operator:	HG Energy II Appalachia, LLC	Address:	5260 Dupont Road	
Telephone:	304-420-1119		Parkersburg, WV 26101	
Email:	dwhite@hgenergyllc.com	Facsimile:	304-863-3172	

Oil and Gas Privacy Notice:

The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use or your personal information, please contact DEP's Chief Privacy Officer at <u>depprivacyofficer@wv.gov</u>.

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JUL \$ 2022

NV Department of 19/2022



WEST VIRGINIA DEPARTMENT OF TRANSPORTATION **Division of Highways**

1900 Kanawha Boulevard East . Building Five . Room 110

D. Alan Reed, P.E. State Highway Engineer Charleston, West Virginia 25305-0430 • (304) 558-3505

Jimmy Wriston, P. E. Secretary of Transportation **Commissioner of Highways**

December 27, 2021

James A. Martin, Chief Office of Oil and Gas Department of Environmental Protection 601 57th Street, SE Charleston, WV 25304

Subject: DOH Permit for the Vaneck 1215 Pad, Lewis County Vaneck 1215 N-1H Well Site

Dear Mr. Martin,

This well site will be accessed from a DOH permit #07-2021-0333 which has been issued to HG Energy II Appalachia, LLC for access to the State Road for a well site located off Lewis County Route 10/9 SLS MP 1.40.

This operator is in compliance with §22-6A-20 of the WV Code. Operator has signed a STATEWIDE OIL AND GAS ROAD MAINTENANCE BONDING AGREEMENT and provided the required Bond. This operator is currently in compliance with the DOH OIL AND GAS POLICY dated October 1, 2018. This letter is valid for permitting purposes for one year from the date of this letter.

Very Truly Yours,

Dary K. Clayton

Gary K. Clayton, P.E. **Regional Maintenance Engineer** Central Office O&G Coordinator

Diane White Cc: HG Energy II Appalachia, LLC CH, OM, D-6 File

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E.E.O./AFFIRMATIVE ACTION EMPLOYER

HG Energy II Appalachia, LLC List of Frac Additives by Chemical Name and CAS # Vaneck 1215 Well Pad (N-1H to N-6H, S-7H to S-12H)

	E Starte A		
Chemical Name	CAS #	Multiple CAS #'s	
Due Chale Clile 405	D distance	C0FF1 12 2	
Pro Shale Slik 405	Mixture	68551-12-2	
		7647-14-5	
		12125-02-9	
		64742-47-8	
Pro Hib II	Mixture	68412-54-4	
		68607-28-3	
		107-21-1	
		111-76-2	
		67-56-1	
		107-19-7	
Silica Sand and Ground Sand	Mixture	14808-60-7	
		1344-28-1	
		1309-37-1	
		13463-67-7	
Hydrochloric Acid 22 DEG BE	7647-01-0		E
	64742-96-7		
PROGEL - 4.5	64742-96-7		
BIO CLEAR 2000	Mixture	25322-68-3	
		10222-01-2	
	407.04.4		
SCALE CLEAR SI 112	107-21-1		
PROBREAK 4	Mixture	57-50-1	
	i i i i i i i i i i i i i i i i i i i	107-21-1	
Sulfamic Acid	5329-14-6		
PRO - Flow - 102-N	Mixture	67-63-0	
		68439-45-2	
		2687-96-9	
PROGEL - 4	0000 20 0		
	9000-30-0		

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JUL 8 2022

WV Department of Environmental Protection

