

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

Monday, May 3, 2021 WELL WORK PERMIT Horizontal 6A / New Drill

HG ENERGY II APPALACHIA, LLC 5260 DUPONT ROAD

PARKERSBURG, WV 26101

Permit approval for EVANS 1213 S-8H

47-041-05724-00-00

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

Operator's Well Number: EVANS 1213 S-8H

Farm Name: JAMES M. & SUZANNE L. EY

U.S. WELL NUMBER: 47-041-05724-00-00

Date Issued: 5/3/2021

Horizontal 6A New Drill

Promoting a healthy environment.

API Number:	
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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. Failure to adhere to the specified permit 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 with W. Va. Code § 22-6A-5a (12), which requires drilling to a minimum depth of thirty feet below the bottom of the void, and installing a minimum of twenty (20) feet of casing. Under no circumstance should the operator drill more than one hundred (100) feet below the bottom of the void or install less than twenty (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 Compaction Characteristics of Soil Using Standard Effort, to achieve 95 % compaction of the optimum 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 Health regarding permit requirements. In lieu of plugging, the operator may transfer the well to the surface owner upon agreement of the parties. All drinking water wells within fifteen hundred feet of the water supply well shall be flow tested by the operator upon request of the drinking well owner prior to operating the water 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.
- 8. 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 occurs 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 cementing process, in the event cement does not return to the surface, the oil and gas inspector shall be notified within 24 hours.

API Number:	

PERMIT CONDITIONS

11. The operator shall provide to the Office of Oil and Gas the dates 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.

OPERATOR WELL NO. Evans 1213 S-8H

Well Pad Name: Evans 1213

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

Well Operator: HG Energy I	l Appalachia,	494519932	Lewis	Freeman	Big Isaac 7.5'
i) wen operation		Operator ID	County	District	Quadrangle
2) Operator's Well Number: Eva	ns 1213 S-8H	Well I	Pad Name: E	vans 1213	
3) Farm Name/Surface Owner: _	James & Suzanne	Evans Public R	oad Access:	Mare Run Ro	d at CR 10/9
4) Elevation, current ground:	1233' E	levation, propose	ed post-constr	ruction: 1227'	V
5) Well Type (a) Gas X Other	Oil	U1	nderground St	orage	
(b)If Gas Shal	low x	Deep	-		
6) Existing Pad: Yes or No No			B	au Sto	tur 1-26-2
7) Proposed Target Formation(s) Marcellus at 6709'/6791' and 82	The second secon			ed Pressure(s):	
8) Proposed Total Vertical Depth	: 6760'				
9) Formation at Total Vertical De	epth: Marcellu	IS			
10) Proposed Total Measured De	pth: 21,106'				
11) Proposed Horizontal Leg Lei	ngth: 12,560'				
12) Approximate Fresh Water St		60', 136', 151	', 200'		
13) Method to Determine Fresh		Nearest offset	well data, (47	7-041-01847,	1786, 1233)
14) Approximate Saltwater Dept		d			
15) Approximate Coal Seam Dep	oths: 220', 445', 65	0',800', 805' (Surface	casing is being ext	ended to cover the	coal in the DTI Storage Field)
16) Approximate Depth to Possi			44.5		
17) Does Proposed well location directly overlying or adjacent to				No X	
(a) If Yes, provide Mine Info:	Name:				
with Commission and Commission of the Commission	Depth:				HECEIVED Office of Oil and Gas
	Seam:				FEB 9 4 2021
	Owner:				Valletin
					WV Department of Environmental Protection

WW-6B	
(04/15)	

API NO. 47		
OPERATOR WELL	NO.	Evans 1213 S-8H
Well Pad Name:	Evans	1213

18)

CASING AND TUBING PROGRAM

ТҮРЕ	Size (in)	New or Used	Grade	Weight per ft. (lb/ft)	FOOTAGE: For Drilling (ft)	INTERVALS: Left in Well (ft)	CEMENT: Fill-up (Cu. Ft.)/CTS
Conductor	30"	New	LS	157.5	120'	120'	Drilled In
Fresh Water/Coal	20"	NEW	J-55	94	1100'	1100'	CTS
Intermediate 1	13 3/8"	NEW	J-55 BTC	68	2100'	2100'	CTS
Intermediate 2	9 5/8"	NEW	J-55 BTC	40	2900'	2900'	CTS
Production	5 1/2"	NEW	P-110 HP	23	21106'	21106'	CTS
Tubing							
Liners							

B. S. 1-26-21

TYPE	Size (in)	Wellbore Diameter (in)	Wall Thickness (in)	Burst Pressure (psi)	Anticipated Max. Internal Pressure (psi)	Cement Type	Cement Yield (cu. ft./k)
Conductor	30"	30"	.500				Drilled In
Fresh Water/Coal	20"	26"	.438	2110	1200	Type 1, Class A	40 % excess yield = 1.20, CTS
Intermediate I	13 3/8"	17 1/2"	.480	3450		Type 1/Class A	Lead 40% excess, Tall 0% excess
Intermediate 2	9 5/8"	12 1/4"	.395	3950		Type 1/Class A	Lead 40% excess, Tall 0% Excess Loa
Production	5 1/2"	8 1/2"	.415	16240	12500	Type 1/ClassA	20% excess yield = 1.19, tail yield 1.94.0
Tubing							
Liners							

PACKERS

Kind:	
Sizes:	RECEIVED Office of Oil and G
Depths Set:	FEB 2 4 202

WV Department or Environmental Protection

W	W	-6	В
(1	0/	14	.)

API NO. 47		
OPERATOR WELL	NO.	Evans 1213 S-8H
Well Pad Name:	Evans	1213

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 6760 feet. Drill horizontal leg to estimated 12,560' lateral length, 21,106' 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): 14.36 acres
- 22) Area to be disturbed for well pad only, less access road (acres): 6.26 acres
- 23) Describe centralizer placement for each casing string:

will be used with conductor coonst.

al - centralized every 3 joints to surface.

- Bow Spring on every joint, will also be rt

- Bow Spring on first 2 joints then every the

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

Conductor -N/A, Casing to be drilled in w/ Dual Rotary Rig. Fresh Water/Coal - 15.6 ppg PNE-1 + 3% bwoc CaCl, 40% E

25) Proposed borehole conditioning procedures:

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WV Department or Environmental Protection

*Note: Attach additional sheets as needed.

HG Energy II Appalachia, LLC Evans 1213 Well Pad (N-1H, N-2H, N-3H, S-4H, S-5H, S-6H) Cement Additives

Material Name	Material Type	Material Description	CAS#		
	Material Type		Ingredient name	%	CAS number
		portland cement with	Portland cement	90 - 100	65997-15-1
		early compressive	Calcium oxide	1~5 1-5	1305-78-8 1309-48-4
		strength properties.	Magnesium oxide Crystalline silica: Quartz (SiO2)	0.1 - 1	14808-60-7
Premium NE-1	Portland Cement		Crystallite sinca. Qual & (0.02)	1917	1 20000 300
		Commonly called gel, it is	Increasions were	%	CAS number
		a clay material used as a	Ingredient name bentonite	90 - 100	1302-78-9
		cement extender and to	Crystalline silica: Quartz (SiO2)	5-10	14808-60-7
		control excessive free water.			***************************************
entonite	Extender	water.			
		S. S			
		A powdered, flaked or pelletized material used	Ingredient name	%	CAS number
		to decrease thickening	Calcium chloride	90 - 100	10043-52-4
		time and increase the rate			
		of strength development			
lcium Chloride	Accelerator				
		Graded (3/8 to 3/4 inch)	Ingredient name	%	CAS number
		cellophane flakes used as	No hazardous ingredient		
		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	The state of the s	TV.	
		entrapment and			
		preventing foaming			
		tendencies of latex			
121	Foam Preventer	systems.			
-13L	roam rieventer		Incomillant insign	%	CAS number
		Used to retard cement	Ingredient name	90 - 100	57-50-1
ranulated Sugar	Retarder	returns at surface.	Sucrose	90 - 100	07-00-1
nanulaceu ougal	Hermi Mer	A proprietary product			
		that provides expansive			
		properties and improves bonding at low to	Ingredient name	1%	CAS number
		moderate	Calcium magnesium oxide	90 - 100	37247-91-9
		temperatures.	Colonia magnesiam color	-4 .100	3300 603
0-1					
		The second of th			
		Multi-purpose polymer		1-	
		additive used to control	Ingredient name	%	CAS number
		additive used to control free fluid, fluid loss,	Ingredient name No hazardous ingredient	%	CAS number
PA-170	Gas Migration	additive used to control		%	CAS number
1PA-170	Gas Migration	additive used to control free fluid, fluid loss, rheology, and gas		%	CAS number
PA-170	Gas Migration	additive used to control free fluid, fluid loss, rheology, and gas migration. A synthetic pozzolan,		%	CAS number
PA-170	Gas Migration	additive used to control free fluid, fluid loss, rheology, and gas migration. A synthetic pozzolan, (primarily Silicon Dioxide).		%	CAS number
PA-170	Gas Migration	additive used to control free fluid, fluid loss, rheology, and gas migration. A synthetic pozzolan,	No hazardous ingredient		
PA-170	Gas Migration	additive used to control free fluid, fluid loss, rheology, and gas migration. A synthetic pozzolan, (primarily Silicon Dioxide). When blended with	No hazardous ingredient	%	CAS number
PA-170	Gas Migration	additive used to control free fluid, fluid loss, rheology, and gas migration. A synthetic pozzolan, (primarily Silicon Dioxide). When blended with cement, Pozzolan can be used to create lightweight cement	No hazardous ingredient	% 5-10	CAS number
PA-170	Gas Migration	additive used to control free fluid, fluid loss, rheology, and gas migration. A synthetic pozzolan, (primarily Silicon Dioxide). When blended with cement, Pozzolan can be used to create lightweight cement slurries used as either a	No hazardous ingredient Ingredient name Crystalline silica: Quartz (SiO2)	%	CAS number
PA-170	Gas Migration	additive used to control free fluid, fluid loss, rheology, and gas migration. A synthetic pozzolan, (primarily Silicon Dioxide). When blended with cement, Pozzolan can be used to create lightweight cement slurries used as either a filler slurry or a sulfate	No hazardous ingredient Ingredient name Crystalline silica: Quartz (SiO2)	5-10 1-5 Office	CAS number RECE 14898-60-7 1305/78-8
PA-170	Gas Migration	additive used to control free fluid, fluid loss, rheology, and gas migration. A synthetic pozzolan, (primarily Silicon Dioxide). When blended with cement, Pozzolan can be used to create lightweight cement slurries used as either a	No hazardous ingredient Ingredient name Crystalline silica: Quartz (SiO2)	5-10 1-5 Office	CAS number
	Gas Migration	additive used to control free fluid, fluid loss, rheology, and gas migration. A synthetic pozzolan, (primarily Silicon Dioxide). When blended with cement, Pozzolan can be used to create lightweight cement slurries used as either a filler slurry or a sulfate resistant completion	No hazardous ingredient Ingredient name Crystalline silica: Quartz (SiO2)	% 5-10 1-5 Offic	CAS number RECE 14808-60-7 1305-78-8 B 2 4 2021
		additive used to control free fluid, fluid loss, rheology, and gas migration. A synthetic pozzolan, (primarily Silicon Dioxide). When blended with cement, Pozzolan can be used to create lightweight cement slurries used as either a filler slurry or a sulfate resistant completion cement.	No hazardous ingredient Ingredient name Crystalline silica: Quartz (SiO2)	5-10 1-5 Office	CAS number RECE 14808-60-7 e of 0 1305-78-8 B 2 4 2021 Department of
		additive used to control free fluid, fluid loss, rheology, and gas migration. A synthetic pozzolan, (primarily Silicon Dioxide). When blended with cement, Pozzolan can be used to create lightweight cement slurries used as either a filler slurry or a sulfate resistant completion cement. A low temperature	No hazardous ingredient Ingredient name Crystalline silica: Quartz (SiO2) Calcium oxide	5-10 1-5 Office	CAS number RECE 14808-60-7 e of 0 1305-78-8 B 2 4 2021 Department of
		additive used to control free fluid, fluid loss, rheology, and gas migration. A synthetic pozzolan, (primarily Silicon Dioxide). When blended with cement, Pozzolan can be used to create lightweight cement slurries used as either a filler slurry or a sulfate resistant completion cement.	No hazardous ingredient Ingredient name Crystalline silica: Quartz (SiO2) Calcium oxide	% 5-10 1-5 Office VV	CAS number 14808-60-7 1305-78-8 B 2 4 2021 Department of the case
		additive used to control free fluid, fluid loss, rheology, and gas migration. A synthetic pozzolan, (primarily Silicon Dioxide). When blended with cement, Pozzolan can be used to create lightweight cement sturries used as either a filler slurry or a sulfate resistant completion cement. A low temperature retarder used in a wide	No hazardous ingredient Ingredient name Crystalline silica: Quartz (SiO2) Calcium oxide	5-10 1-5 Office	CAS number RECE 14808-60-7 e of 0 1305-78-8 B 2 4 2021 Department of
	Base	additive used to control free fluid, fluid loss, rheology, and gas migration. A synthetic pozzolan, (primarily Silicon Dioxide). When blended with cement, Pozzolan can be used to create lightweight cement slurries used as either a filler slurry or a sulfate resistant completion cement. A low temperature retarder used in a wide range of slurry	No hazardous ingredient Ingredient name Crystalline silica: Quartz (SiO2) Calcium oxide	% 5-10 1-5 Office VV	CAS number 14808-60-7 1305-78-8 B 2 4 2021 Department of the case
z (Fly Ash)		additive used to control free fluid, fluid loss, rheology, and gas migration. A synthetic pozzolan, (primarily Silicon Dioxide). When blended with cement, Pozzolan can be used to create lightweight cement slurries used as either a filler slurry or a sulfate resistant completion cement. A low temperature retarder used in a wide range of slurry formulations to extend	No hazardous ingredient Ingredient name Crystalline silica: Quartz (SiO2) Calcium oxide	% 5-10 1-5 Office VV	CAS number 14808-60-7 1305-78-8 B 2 4 2021 Department of the case
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oz (Fly Ash)	Base	additive used to control free fluid, fluid loss, rheology, and gas migration. A synthetic pozzolan, (primarily Silicon Dioxide). When blended with cement, Pozzolan can be used to create lightweight cement slurries used as either a filler slurry or a sulfate resistant completion cement. A low temperature retarder used in a wide range of slurry formulations to extend	Ingredient name Crystalline silica: Quartz (SiO2) Calcium oxide Ingredient name Organic acid salt Ingredient name 2-Butoxyethanol Proprietary surfactant	% 5-10 1-5 Office VVV Environ 40-50 % 20-30 10-20	CAS number 14808-60-7 1305-78-8 B 2 4 2021 Department of the control of the con
IPA-170 oz (Fly Ash)	Base	additive used to control free fluid, fluid loss, rheology, and gas migration. A synthetic pozzolan, (primarily Silicon Dioxide). When blended with cement, Pozzolan can be used to create lightweight cement slurries used as either a filler slurry or a sulfate resistant completion cement. A low temperature retarder used in a wide range of slurry formulations to extend	Ingredient name Crystalline silica: Quartz (SiO2) Calcium oxide Ingredient name Organic acid salt Ingredient name 2-Butoxyethanol	% 5-10 1-5 Office WV Environ 40-50	CAS number RECE 14808-60-7 e of 0 1305-78-8 B 2 4 2021 Uspenment ov Trade secret. CAS number 111-76-2



1213 S-8H Marcellus Shale Horizontal Lewis County, WV

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E 0	00	3 6
E	H	3 %
2004.0	7-	> >

						1213 S	-8H SH	L	14	205067.25N 177802	21.97E	
Ground Elevation Azm		111	1227.6	6'		1213	S-8H LF	0	14205775.32N 1781319.08E			
		(F =	160.53	9°		1213 5	-8H BH	L	14193937.76N 1785502.03E			
WELLBORE I		HOLE	CASING		TOP	BASE	MUD	CEMENT	CENTRALIZERS	CONDITIONING	COMMENTS	
1 7 7 7	r a a a											
		30"	30" 157.5#				AIR	N/A, Casing to be drilled	N/A	Ensure the hole is clean at	Conductor casing = 0.5" wa thickness	
	x	30	LS	Conductor	0	120	Agric .	in w/ Dual Rotary Rig		TD.	tnickness	
				Fresh Water	0	214, 600, 861	17	15.6 ppg PNE-1 + 3% bwoc CaCl	Centralized every 3	Once casing is at setting depth, circulate a minimum	Surface casing = 0.438" w	
	X	26"	20" 94# J-55	Kittaning Coal	800	805	AIR	40% Excess	joints to surface	of one hole volume with Fresh Water prior to	thickness Burst=2110 psi	
×	×			Fresh Water Protection	Ò	1100		Yield=1.20 / CTS		pumping cement.	Suie, 2110 per	
				Little Lime	1474	1494		Lead: 15.4 ppg PNE-1 +	Bow Spring on every	Once casing is at setting		
800			13-3/8" 68#	Big Lime	1524	1594	AIR / KCL	2.5% bwoc CaCl 40% Excess / Tail: 15.9	joint.	depth, Circulate and condition at TD. Circulate a	Intermediate casing = 0.48	
×	x	17.5"	J-55 BTC	Injun / Gantz (Storage)	1594 / 1866	1692 / 1926	Salt Polymer	ppg PNE-1 + 2.5% bwoc	*will also be running ACP for isolating	minimum of one hole	wall thickness Burst=3450 psi	
				Intermediate 1	0	2100	YE Y	CaCl zero% Excess. CTS	storage zone*	volume prior to pumping cement.		
' x	x '			Fifty / Thirty Foot	1978 / 2075	1998 / 2102		Lead: 15.4 ppg PNE-1 +		Once casing is at setting depth, Circulate and condition mud at TD. Circulate a minimum of one hole volume prior to pumping cement.	Intermediate casing = 0.395 wall thickness Burst=3950 psi	
	×	12.25"	9-5/8" 40# J-55 BTC	Gordon Stray / Gordon	2120 / 2156	2154 / 2232	Sall	2.5% bwoc CaCl 40% Excess / Tail: 15.9 ppg PNE-1 + 2.5% bwoc CaCl zero% Excess. CTS				
				5th Sand	2369	2409						
×				Bayard / Warren	2449 / 2771	2479 / 2796						
				Intermediate 2	0	2900						
×		8,75" Vertical		Speechley	3076	3096	AIR / 9.0ppg SOBM	<u>Lead</u> : 14.5 ppg POZ:PNE-1 + 0.3%	Run 1 spiral centralizer every 5 joints from the top of the curve to surface.			
				Balltown	3286	3346						
835				Benson	4386	4411						
m	()				2450	0070		bwoc R3 + 1% bwoc EC1 + 0.75 gal/sk				
				Rhinestreet	6009	6279		FP13L + 0.3% bwoc MPA170			Production casing = 0.415"	
			5-1/2"	Cashaqua Middlesex	6279 6379	6411		Tail: 14.8 ppg PNE-1 +		least 2x bottoms up, or until	wall thickness	
×	X	8.5" Curve	23#	West River	6411	6482	11.5ppg- 12.5ppg	0.35% bwoc R3 + 0.75 gal/sk FP13L + 50%		returns and pump pressures indicate the hole	Burst=16240 psi Note:Actual centralizer	
	(W)	o.5 Curve	P-110 HP CDC HTQ	Burkett	6482	6492	SOBM	bwoc ASCA1 + 0.5%	Run 1 spiral centralizer	is clean. Circulate a	schedules may be changed	
				Tully Limestone	6492	6600		bwoc MPA170 20% Excess	every 3 joints from the 1st 5.5" long joint to the	minimum of one hole volume prior to pumping	due to hole conditions	
				Hamilton	6600	6753		Lead Yield=1.19	top of the curve.	cement.		
				Marcellus	6709	6791	1	Tail Yield=1.94 CTS				
		8.5" Lateral		TMD / TVD (Production)	21106	6760	11.5ppg- 12.5ppg SOBM					
×	X		-	Onondaga	6791		SODIM					
		×	X	X	X		X	X	X	X X	X	
	LP @ 67	760' TVD / 8546' MD			8.5" Hole - Cemen 5-1/2" 23# P-110				+/-125	60' ft Lateral	TD @ +/-6760' TVD +/-21106' MD	
X		X	X	X	X	TING COVE	X	X	X	X	X=centralizers	

API Number 47 -	2
Operator's Well No.	Evans 1213 S-RH

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

FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name HG Energy II Appalachia	LLC	OP Cod	le 494501907	
Watershed (HUC 10) Middle West Fo		Quadrangle Big Isaac	7.5'	
Do you anticipate using more than 5,0		te the proposed well work?	Yes / No	
If so, please describe anticipa				
Will a synthetic liner be used	in the pit? Yes	No 🚺 If so, what r	nl.?	
Proposed Disposal Method F	or Treated Pit Wastes:			
Land Appli	cation			
	d Injection (UIC Permit))
	API NumberTBD - At next anti)
Off Site Dis	sposal (Supply form WW- lain	9 for disposal location)		
Will closed loop system be used? If so	o, describe: Yes, cuttings and fluid	s will be collected in a closed loop system,	re-used or hauled to an approved dispos	al site or landfill.
Drilling medium anticipated for this w				
-If oil based, what type? Syn				
Additives to be used in drilling mediu	m? Water, Soap, KCl, Barite,	Base Oil, Wetting Agents		
Drill cuttings disposal method? Leave				
-If left in pit and plan to solid				
-Landfill or offsite name/peri	nit number? See Attached			
Permittee shall provide written notice West Virginia solid waste facility. The where it was properly disposed.	to the Office of Oil and Ga e notice shall be provided v	s of any load of drill cuttin vithin 24 hours of rejection	ngs or associated waste rej a and the permittee shall al	ected at any so disclose
I certify that I understand and on August 1, 2005, by the Office of O provisions of the permit are enforced law or regulation can lead to enforcem I certify under penalty of la application form and all attachment obtaining the information, I believe penalties for submitting false information	il and Gas of the West Virgole by law. Violations of a nent action. w that I have personally s thereto and that, based that the information is tru	ginia Department of Environment of Environment for condition of the examined and am familia on my inquiry of those to, accurate, and complete	ne peneral Protection. I und he general permit and/or r with the information su individuals immediately e. I am aware that there	lerstand that the other applicable bmitted on this responsible for
Company Official Signature_	uane White			Office of Oll and Gas
Company Official (Typed Name) Dia	ane White			and Gas
Company Official TitleA	gent			FEB 2 4 2021
			i i	AVV Department of
Subscribed and sworn before me this_	19th day of Janu	uary	_, 20 21	nvironmental Protection
Carr	Boals		lotary Public	OFFICIAL SEAL
My commission expires 7 31 2	core	1,		STATE OF WEST VIRGINIA NOTARY PUBLIC CASSIDY A. BOARDMAN

Proposed Revegetation Treat	ment: Acres Disturb	ed 14.36 Prevegetation	pH			
Lime3 Tons/acre or to correct to pH 6.5						
Fertilizer type10	-20-20					
Fertilizer amount_		500 lbs/acre				
_{Mulch} Hay		2 Tons/acre				
		Seed Mixtures				
Те	mporary	Peri	nanent			
Seed Type	lbs/acre	Seed Type	lbs/acre			
Tall Fescue	40	Tall Fescue	40			
Ladino Clover	5	Ladino Clover	5			
Attach: Maps(s) of road, location, pi provided). If water from the acreage, of the land applicati	t and proposed area for the pit will be land application on area.	e drilling and completion process or land application (unless engineered plans inc ed, include dimensions (L x W x D) of the pit, a	luding this info have bee and dimensions (L x W),			
Attach: Maps(s) of road, location, piprovided). If water from the acreage, of the land application application of involution of the land application of involution of the land approved by:	t and proposed area for the pit will be land applied on area. ved 7.5' topographic	or land application (unless engineered plans inced, include dimensions (L \times W \times D) of the pit, a	and dimensions (L x W),			
Attach: Maps(s) of road, location, piprovided). If water from the acreage, of the land application application of involution Plan Approved by: Comments: Pre-seed	t and proposed area for the pit will be land applied on area. ved 7.5' topographic will be a solution as solution as solution.	or land application (unless engineered plans inced, include dimensions (L \times W \times D) of the pit, a sheet.	and dimensions (L x W),			
Attach: Maps(s) of road, location, piprovided). If water from the acreage, of the land application application of involution Plan Approved by: Comments: Pre-seed	t and proposed area for the pit will be land applied on area. ved 7.5' topographic will be a solution as solution as solution.	or land application (unless engineered plans inced, include dimensions (L x W x D) of the pit, a sheet. On as reasonably possible pe	and dimensions (L x W),			
Attach: Maps(s) of road, location, piprovided). If water from the acreage, of the land application application of involution Plan Approved by: Comments: Pre-seed	t and proposed area for the pit will be land applied on area. ved 7.5' topographic will be a solution as solution as solution.	or land application (unless engineered plans inced, include dimensions (L x W x D) of the pit, a sheet. On as reasonably possible pe	and dimensions (L x W),			
Attach: Maps(s) of road, location, piprovided). If water from the acreage, of the land application application of involution Plan Approved by: Comments: Pre-seed	t and proposed area for the pit will be land applied on area. ved 7.5' topographic will be a solution as solution as solution.	or land application (unless engineered plans inced, include dimensions (L x W x D) of the pit, a sheet. On as reasonably possible pe	and dimensions (L x W),			
Attach: Maps(s) of road, location, piprovided). If water from the acreage, of the land application application of involution Plan Approved by: Comments: Pre-seed	t and proposed area for the pit will be land applied on area. ved 7.5' topographic will be a solution as solution as solution.	or land application (unless engineered plans inced, include dimensions (L x W x D) of the pit, a sheet. On as reasonably possible pe	and dimensions (L x W),			
Attach: Maps(s) of road, location, piprovided). If water from the acreage, of the land application application of involution Plan Approved by: Comments: Pre-seed	t and proposed area for the pit will be land applied on area. ved 7.5' topographic will be a solution as solution as solution.	or land application (unless engineered plans inced, include dimensions (L x W x D) of the pit, a sheet. On as reasonably possible pe	er regulation.			
Attach: Maps(s) of road, location, piprovided). If water from the acreage, of the land application application of involution Plan Approved by: Comments: Pre-seed	t and proposed area for the pit will be land applied on area. ved 7.5' topographic will be a solution as solution as solution.	or land application (unless engineered plans inced, include dimensions (L x W x D) of the pit, a sheet. On as reasonably possible pe	er regulation.			

Cuttings Disposal/Site Water

Cuttings -Haul off Company:

Eap Industries, Inc. DOT # 0876278 1575 Smith Two State Rd. Atlasburg, PA 15004 1-888-294-5227

Waste Management 200 Rangos Lane Washington, PA 15301 724-222-3272

Environmental Coordination Services & Recycling (ECS&R) 3237 US Highway 19 Cochranton, PA 16314 814-425-7773

Disposal Locations:

Apex Environnemental, LLC Permit # 06-08438 11 County Road 78 Amsterdam, OH 43903 740-543-4389

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

Sycamore Landfill Inc. Permit #R30-079001 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 / 301359 200 Max Drive Bulger, PA 15019 724-796-1571

Waste Management Kelly Run Permit # 100663 1901 Park Side Drive Elizabeth, PA 15037 412-384-7569

Waste Management South Hills (Arnoni) Permit # 100592 3100 Hill Road Library, PA 15129 724-348-7013 412-384-7569

Waste Management Arden Permit # 1001.72 200 Rangos Lane Washington, PA 15301 724-222-3272

Waste Management Meadowfill Permit # 1032 1488 Dawson Drive Bridgeport, WV 26330

Brooke County Landfill Permit # SWF-103-97 / WV 0109029 Rd 2 Box 410 Colliers, WV 26035 304-748-0014 RECEIVED
Office of Oil and Gas
FEB 2 4 2021

WV Department or Environmental Protection

05/07/2021

Cuttings Disposal/Site Water

Cuttings -Haul off Company:

Eap Industries, Inc. DOT # 0876278 1575 Smith Two State Rd. Atlasburg, PA 15004 1-888-294-5227

Wáste Management 200 Rangos Lane Washington, PA 15301 724-222-3272

Environmental Coordination Services & Recycling (ECS&R) 3237 US Highway 19 Cochranton, PA 16314 814-425-7773

Disposal Locations:

Apex Environnemental, LLC Permit # 06-08438 1.1 County Road 78 Amsterdam, OH 43903 740-548-4389

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Yukon, PA 25968
724-722-3500

Max Environnemental Technologies, Inc. Facility Permit # PAD05087072 / 301359 200 Max Drive Bulger, PA 15019 724-796-1571

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Waste Management South Hills (Arnoni) Permit # 100592 3100 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 26330

Brooke County Landfill Permît # SWF-103-97 / WV 0109029 Rd 2 Box 410 Colliers, WV 26035 304-748-0014 RECEIVED
Office of Oil and Gas
FEB 2 4 2021

WV Department of Environmental Protection

05/07/2021

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 2800249 423 West 300 South Suite 200 Salt Lake City, UT 84101

Energy Solutions Services, Inc. Permit # R-73006-L24 1,560 Bear Creek Road Oak Ridge, TN 37830

Northern A-1 Environnemental Services Permit ID MID020906814 3947 US 131 North, PO Box 1030 Kalkaska, MI 49646 231-258-9961

Water Haul off Companies:

Dynamic Structures, Clear Creek DOT # 720485 3790 State Route 7 New Waterford, OH 44445 330-892-0164

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

Select Energy Services, LLC PO 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 48950

Wilson's Outdoor Services, LLC 456 Cracraft Road Washington, PA 15301

Disposal Locations:

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

Solidification/Incineration Soil Remediation, Inc. Permit # 02-20753 6065 Arrel-Smith Road Lowelville, OH 44436 330-536-6825

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 Oilfield Serv 301 Commerce Drive Moorestown, NJ 08057

Force, Inc. 1380 Rte. 286 Hwy. E, Suite 303 Indiana, PA 15701

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

Equipment Transport 1 Tyler Court Carlisle, PA 17015

Myers Well Service, ____.

2001 Ballpark Court

Export, PA 15632

Burns Drilling & Excavating

Burns Drilling & Excavating 618 Crabapple Road P.O. Bor Wind Ridge, PA 15380

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Office of Oil and Gas

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Nichias 1-A (SWIW #18)

Permit # 3862

300 Cherrington Pkwy, Suite 200

Coraopolis, PA 15108

Groselle (SWIW #34) Permit # 4096 Rt. 88 Garrettsville, OH 713-275-4816

412-829-7275

Kemble 1-D Well Permit # 8780 7675 East Pike Norwich, Oh 43767 614-648-8898 740-796-6495

05/07/2021

Adams #2 (Buckeye Brine, LLC) 2205 Westover Road Austin Tx 78703 Permit # 34-031-2-7178 740-575-4484 512-478-6545

Adams #3 (Buckeye Brine, LLC) Permit #34-031-2-7241-00-00 2630 Exposition, Suite 117 Austin, TX 78703 512-478-6545

Mozena #1 Well (SWIW # 13) Permit # 34-157-2-5511-00-00 5367 E. State Street Newcomerstown, OH 43832 740-763-3966

Goff SWD #1 (SWIW # 27) Permit # 34-119-2-8776-000 300 Cherrington Pkwy, Suite 200 Coraopolis, PA 15108 412-829-7275

SOS D#1 (SWIW #12) Permit # 34-059-2-4202-00-00 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 304-665-2652 OH UIC #1 Bu keye UIC Barnesville 1 & 2 CNX Gas Com. Jany, 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 304-323-6568

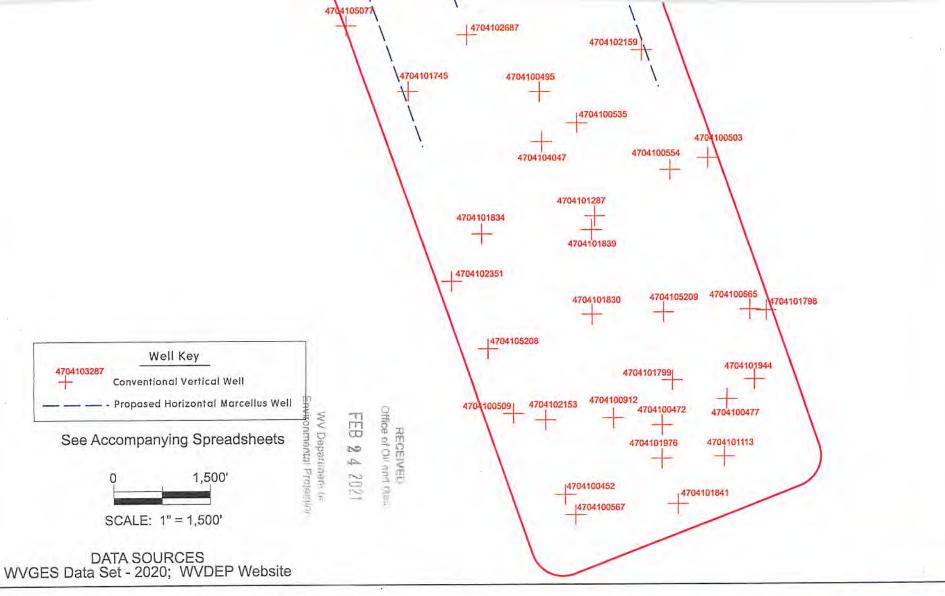
Chapin #7 UIC (SWIW #7)
Permit # 34-083-2-4197-00-00
Elkhead Gas& Oil Company
12163 Marne Rd. NE
Newark, OH 43055
740-763-3966

Office of Oil and Gas

FEB 2 4 2021

WV Department of Environmental Protection





Area of Review for:

EVANS 1213 SOUTH UNIT

Proposed 1213 S-5H Proposed 1213 S-6H Proposed 1212 S-7H Proposed 1213 S-8H

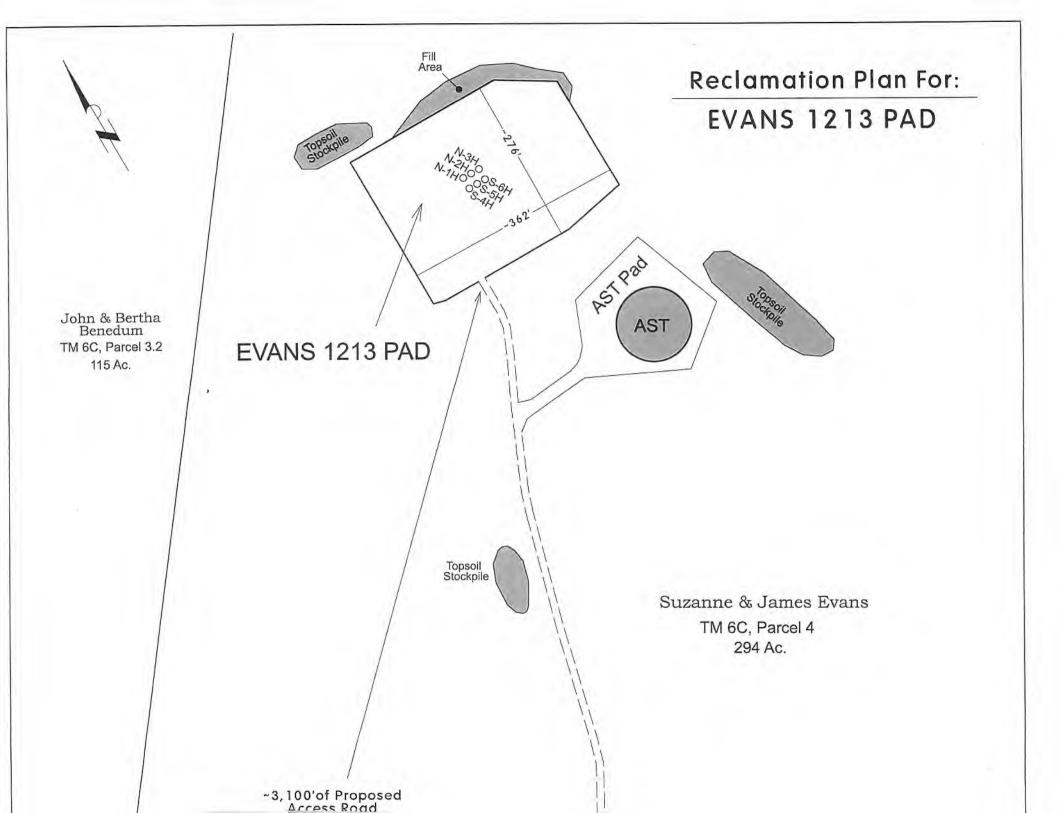
Freeman's Creek District, Lewis County, W.Va.

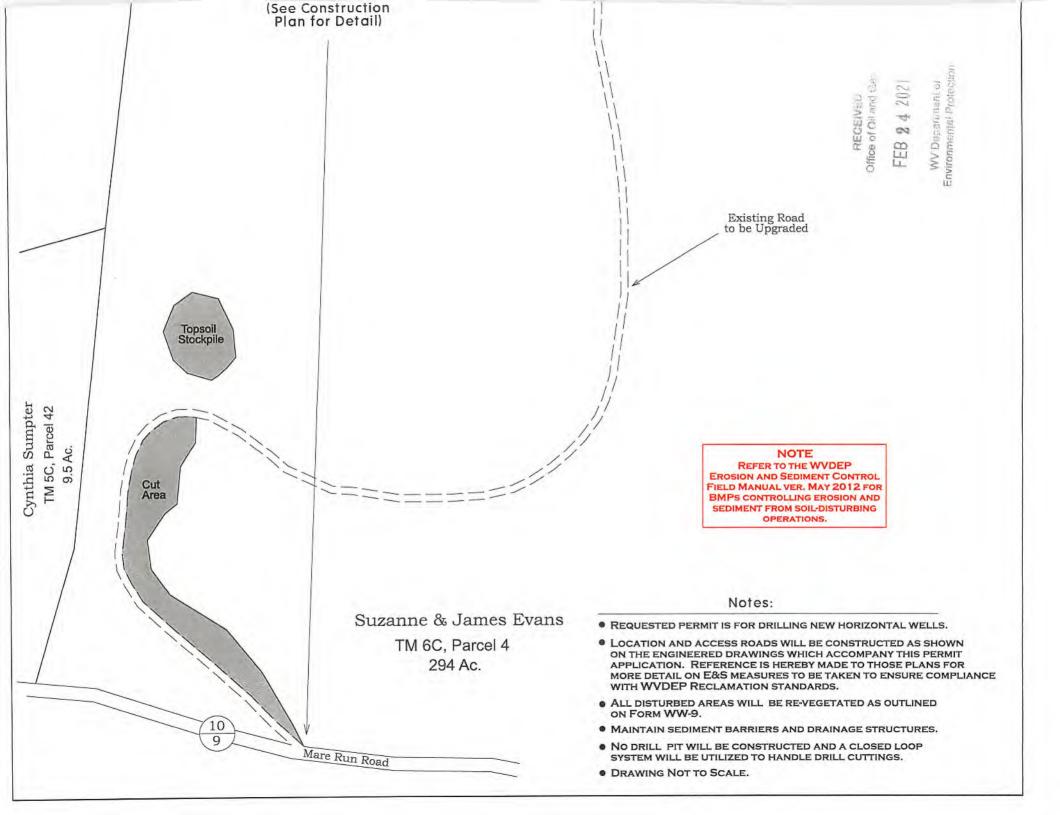
HG ENERGY, II APPALACHIA, LLC

5260 DuPont Road, Parkersburg, WV 26101



1/26/2021





EXISTING WELLS LOCATED WITHIN THE AREA OF REVIEW FOR:

EVANS 1213 SOUTH UNIT AND PROPOSED WELLS S-5H, S-6H, S-7H & S-8H

СТ	API	COUNTY	FARM	OPERATOR NAME	FORMATION NAME	WELL TYPE	TVD	STATUS	LATITUDE	LONGITUDE
1	4704100120	Lewis	J W Norris	Dominion Energy Transmission, Inc.	Big Injun (Grnbr)	Dry w/ Gas Show	1642	PLUGGED	39.089997	-80.498156
2	4704100211	Lewis	J S Morris	Dominion Energy Transmission, Inc.	Hampshire Grp	Storage	2010	ACTIVE	39.115375	-80.503538
3	4704100287	Lewis	M C Burnside	Dominion Energy Transmission, Inc.	Fifth	Storage	2322	ACTIVE	39.112338	-80.512384
4	4704100441	Lewis	Pearl Stalnaker 1	UNKNOWN	Up Devonian	Gas	2440	ABANDONED	39.098698	-80.504468
5	4704100452	Lewis	Lyle Randolph et al	Diversified Resources, Inc.	Hampshire Grp	Gas w/ Oil Show	1885	ACTIVE	39.067474	-80.493864
6	4704100472	Lewis	J L J Bailey Heirs 1	Deran Resources, Inc.	Price Fm & equivs	Gas	1413	ACTIVE	39.070419	-80.488579
7	4704100477	Lewis	Judson Bailey 1	Law, David W.	Big Injun (Grnbr)	not available	-	ABANDONED	39.071500	-80.485059
8	4704100495	Lewis	S H Bailey 1	David Bowyer	Price Fm & equivs	Gas w/ Oil Show	1456	ACTIVE	39.084700	-80.495140
9	4704100503	Lewis	J J Bailey 2	Geo Energy,LLC	Price Fm & equivs	Gas w/ Oil Show	1385	ACTIVE	39.081831	-80.486044
1.0	4704100509	Lewis	V Green	LuRay Land, Inc.	Hampshire Grp	Dry w/ Gas Show	2629	PLUGGED	39.070954	-80.496657
11	4704100535	Lewis	S H Bailey 2	David Bowyer	Price Fm & equivs	Gas	1427	ACTIVE	39.083337	-80.493134
12	4704100554	Lewis	Douglas Butcher Hrs 1	Lippizan Petroleum, Inc.	Price Fm & equivs	Gas	1477	ACTIVE	39.081324	-80.488106
13	4704100567	Lewis	V Green	LuRay Land, Inc.	Undf PRICE blw INJN	Gas	1554	PLUGGED	39.066604	-80.493306
14	4704100605	Lewis	L Reger	Bower, Hall and Wetzel	Price Fm & equivs	Gas	1781	PLUGGED	39.090446	-80.490179
15	4704100665	Lewis	J L J Bailey Heirs 2	Deran Resources, Inc.	Price Fm & equivs	Gas	1481	ACTIVE	39.075325	-80.483775
16	4704100912	Lewis	T Lee Hudkins	Alliance Petroleum Co. LLC	Big Injun (Grnbr)	Gas	1536	ACTIVE	39.070727	-80.491227
17	4704101113	Lewis	Lester Linger	Alliance Petroleum Co. LLC	Big Injun (Grnbr)	Gas	1586	ACTIVE	39.069055	-80.485195
18	4704101287	Lewis	T L Hudkins	Charity Gas, Inc.	Undf PRICE blw INJN	Gas	1686	ABANDONED	39.079366	-80.492196
19	4704101582	Lewis	James R/Mary L Myers	Alliance Petroleum Co. LLC	Greenland Gap Fm	Gas	4520	ACTIVE	39.091520	-80.491493
20	4704101604	Lewis	William J. Roff	Alliance Petroleum Co. LLC	Brallier	Gas	4300	ACTIVE	39.095839	-80.499322
21	4704101656	Lewis	James R. Myers	Alliance Petroleum Co. LLC	Benson	Gas	4226	ACTIVE	39.090080	-80.503268
22	4704101661	Lewis	James H Hall Trst	Dominion Energy Transmission, Inc.	Greenland Gap Fm	Gas	4393	ACTIVE	39.097816	-80,508177
23	4704101707	Lewis	Abram Gaston	Dominion Energy Transmission, Inc.	Benson	Gas	4230	ACTIVE	39.104124	-80.502768
24	4704101745	Lewis	J W Kemper	Alliance Petroleum Co. LLC	Benson	Gas	4511	ACTIVE	39.084753	-80.502277
25	4704101760	Lewis	L E Gall	Dominion Energy Transmission, Inc.	Benson	Gas	4380	ACTIVE	39,108664	-80.507231
26	4704101786	Lewis	James Morrow Evans	Dominion Energy Transmission, Inc.	Greenland Gap Fm	Gas	4450	ACTIVE	39.111007	-80.515806
27	4704101798	Lewis	J L Bailey Heirs	Ross & Wharton Gas Co., Inc.	Benson	Gas	4302	ACTIVE	39.075283	-80.482886
28	4704101799	Lewis	J L Bailey Heirs	James B. Lambert	Benson	Gas	4280	ABANDONED	39.072326	-80,488037
29	4704101830	Lewis	T Lee Hudkins 2	Greylock Conventional, LLC	Benson	Gas	4247	ACTIVE	39.075160	-80.492380
30	4704101834	Lewis	T Lee Hudkins 1	Greylock Conventional, LLC	Benson	Gas	4400	ACTIVE	39.078640	-80.498335
31	4704101839	Lewis	T Lee Hudkins 3	Greylock Conventional, LLC	→ Senson	Gas	4386	ACTIVE	39.078785	-80.492382
32	4704101841	Lewis	E L/M S Wolfe	Braxton Oil & Gas Corp.	Benson	Gas	4375	ACTIVE	39.067039	-80.487725
33	4704101843	Lewis	Tomas R Zinn etal	Dominion Energy Transmission, Inc.	Greenland Gap Fm	Gas	4545	ACTIVE	39.115681	80.508049

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67	4704105560	Lewis	National Timber Partners WV 2	Alliance Petroleum Co. LLC	Greenland Gap Fm	Gas	3518	ACTIVE	39.104323	-80.51012
66	4704105519	Lewis	James H Hall Trust	Dominion Energy Transmission, Inc.	Greenland Gap Fm	Gas	4410	ACTIVE	39.100372	-80,50732
65	4704105209	Lewis	Charles F Sumpter	Alliance Petroleum Co. LLC	Misc Sands-BNSN/BRLR	Gas	4450	ACTIVE	39.075239	-80.48849
64	4704105208	Lewis	David Stanley McNemar	Alliance Petroleum Co. LLC	Misc Sands-BNSN/BRLR	Gas	4460	ACTIVE	39,073723	-80.49804
63	4704105077	Lewis	James R Myers	Alliance Petroleum Co. LLC	Alexander	Gas	4411	ACTIVE	39.087557	-80.50557
62	4704104807	Lewis	James R Myers	Alliance Petroleum Co. LLC	Greenland Gap Fm	Gas	4278	ACTIVE	39.092589	-80.49923
61	4704104502	Lewis	Scott A Carpenter	Dominion Energy Transmission, Inc.	Greenland Gap Fm	Gas	4520	ACTIVE	39,099886	-80.49820
60	4704104047	Lewis	Thorne Cayton	Enervest Operating, LLC	Greenland Gap Fm	Gas	4353	ACTIVE	39.082554	-80,49504
59	4704104022	Lewis	Thorne E Cayton	Enervest Operating, LLC	Greenland Gap Fm	Gas	4595	ACTIVE	39.089146	-80.49554
58	4704103996	Lewis	William Roff	Enervest Operating, LLC	Greenland Gap Fm	Gas	4182	ACTIVE	39.096044	-80.49343
57	4704103988	Lewis	Charles Hall	Enervest Operating, LLC	Greenland Gap Fm	Gas	4532	ACTIVE	39.094268	-80.50448
56	4704103923	Lewis	Steve Hall	Enervest Operating, LLC	Benson	Gas	4267	ACTIVE	39.087123	-80,49905
55	4704103827	Lewis	Bernard B Jerden	OWS Acquisition Co. LLC	Brallier	Gas	5884	ACTIVE	39.106529	-80.51377
54	4704103547	Lewis	John Butcher 1	Schultz Run Gas Co.	Benson	Gas w/ Oil Show	4602	ACTIVE	39.112062	-80.50549
53	4704102851	Lewis	M C Burnside	Dominion Energy Transmission, Inc.	not available	Storage	-	ACTIVE	39.116315	80.51424
52	4704102687	Lewis	J Peter Bailey 1	Alliance Petroleum Co. LLC	Benson	Gas	4550	ACTIVE	39,087123	-80,49905
51	4704102646	Lewis	Abram Gaston	Dominion Energy Transmission, Inc.	not available	Storage		ACTIVE	39.112062	-80.50549
50	4704102619	Lewis	J S Norris	Dominion Energy Transmission, Inc.	not available	Storage		ACTIVE	39.115546	80.51116
49	4704102610	Lewis	L H Evans	Consolidated Gas Supply Corp.	Fifth	Dry w/ Gas Show	2270	ABANDONED	39.107979	-80.51377
18	4704102366	Lewis	A Gaston	Dominion Energy Transmission, Inc.	not available	Gas	-	ACTIVE	39.107701	-80.4998
47	4704102365	Lewis	Abram Gaston	Dominion Energy Transmission, Inc.	Hampshire Grp	Gas	1868	PLUGGED	39.102759	-80.50223
46	4704102351	Lewis	T Hudkins	Alliance Petroleum Co. LLC	not available	Gas	25-	ACTIVE	39.07661	-80.50000
45	4704102338	Lewis	J Norris	Alliance Petroleum Co. LLC	not available	not available	-	ACTIVE	39.095558	-80.49664
44	4704102337	Lewis	M Hall	Dominion Energy Transmission, Inc.	Hampshire Grp	Gas	2318	ACTIVE	39,100322	-80.51101
43	4704102334	Lewis	L E Gall	Dominion Energy Transmission, Inc.	Hampshire Grp	Gas	2281	ACTIVE	39.107746	-80.51047
42	4704102323	Lewis	L Gall	Dominion Energy Transmission, Inc.	Hampshire Grp	Storage	2355	ACTIVE	39.109317	-80.50856
40	4704102307	Lewis	Suzanne Lynn Evans Frank McKinley	Alliance Petroleum Co. LLC	Hampshire Grp	Gas	2153	ACTIVE	39.095653	-80.50335
39	4704102159 4704102307	Lewis	W Reger	Dominion Energy Transmission, Inc.	not available	Gas	-	PLUGGED	39.110100	-80.51056
38	4704102153	Lewis	Cassie G Smith 2	Alliance Petroleum Co. LLC Greylock Conventional, LLC	Benson Benson	Gas	4289	ACTIVE	39.070669	-80.49492
37	4704102055	Lewis	Abram Gaston	Dominion Energy Transmission, Inc.	Benson	Gas Gas	4403	ACTIVE	39.072344	-80.48356
16	4704101976	Lewis	Judson Bailey 3	Clem Energy LLC	Benson		4125	ACTIVE	39.108099	-80.49790
5	4704101944	Lewis	Judson Bailey 2	Clem Energy LLC	Benson	Gas	4232 4381	ACTIVE	39.072344 39.068988	-80.48356 -80.48860
4	4704101872	Lewis	J W Norris	Alliance Petroleum Co. LLC	Oriskany	-	4222	ACTIVE	00.000044	-80.49413

HG Energy II Appalachia, LLC

Site Safety Plan

Evans 1213 Well Pad 368 Mare Run Road Weston Lewis County, WV 26452

August 2020: Version 1

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

HG Energy II Appalachia, LLC

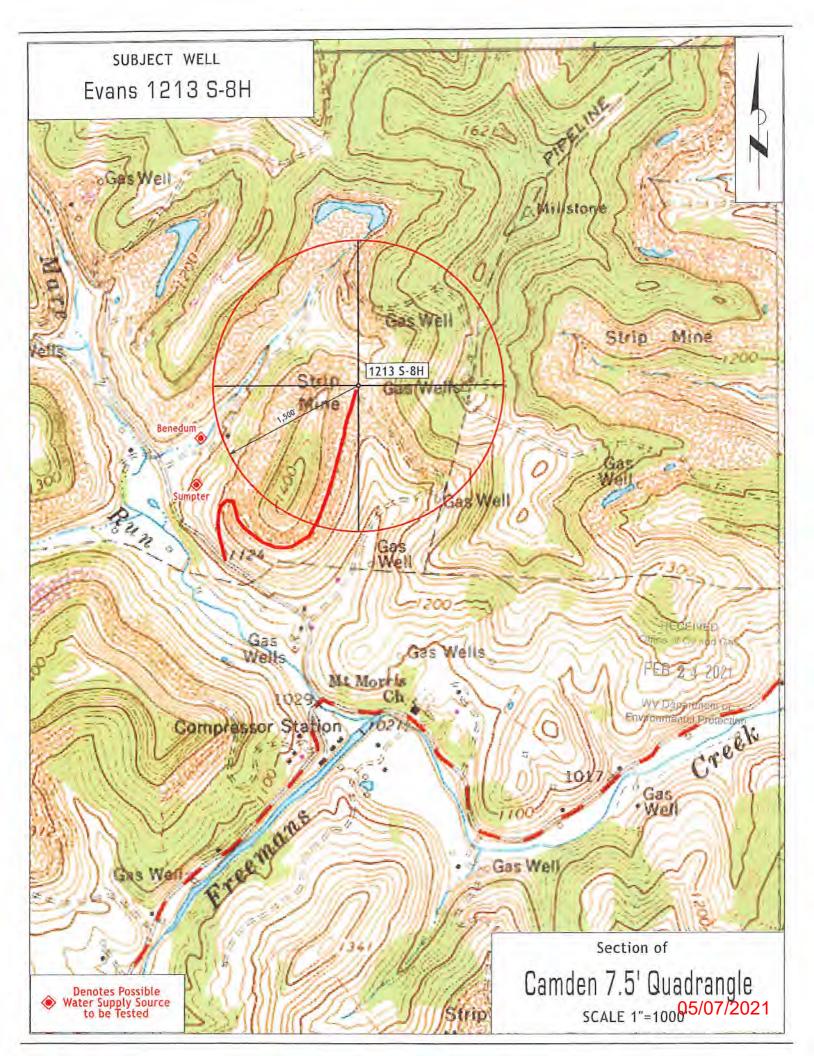
5260 Dupont Road

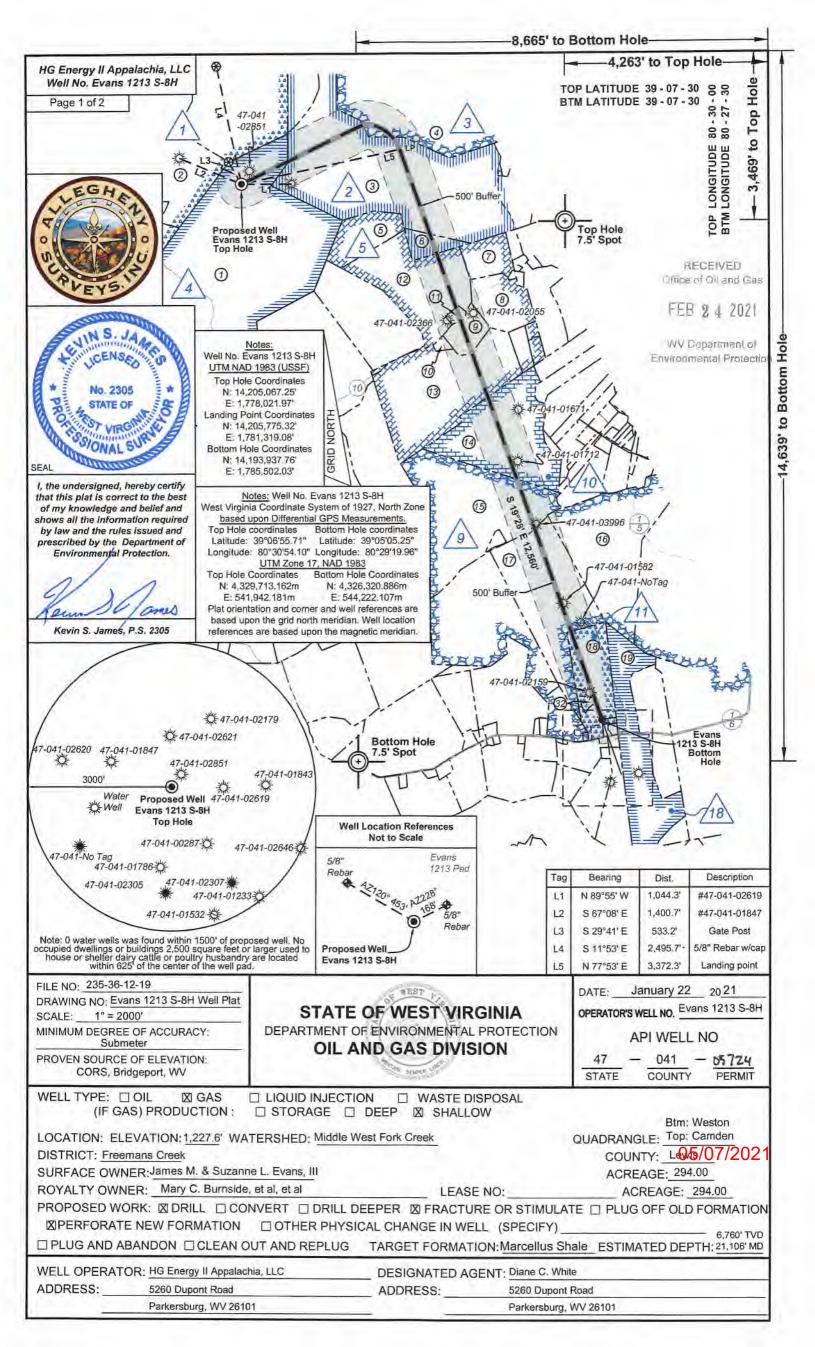
Parkersburg, WV 26101

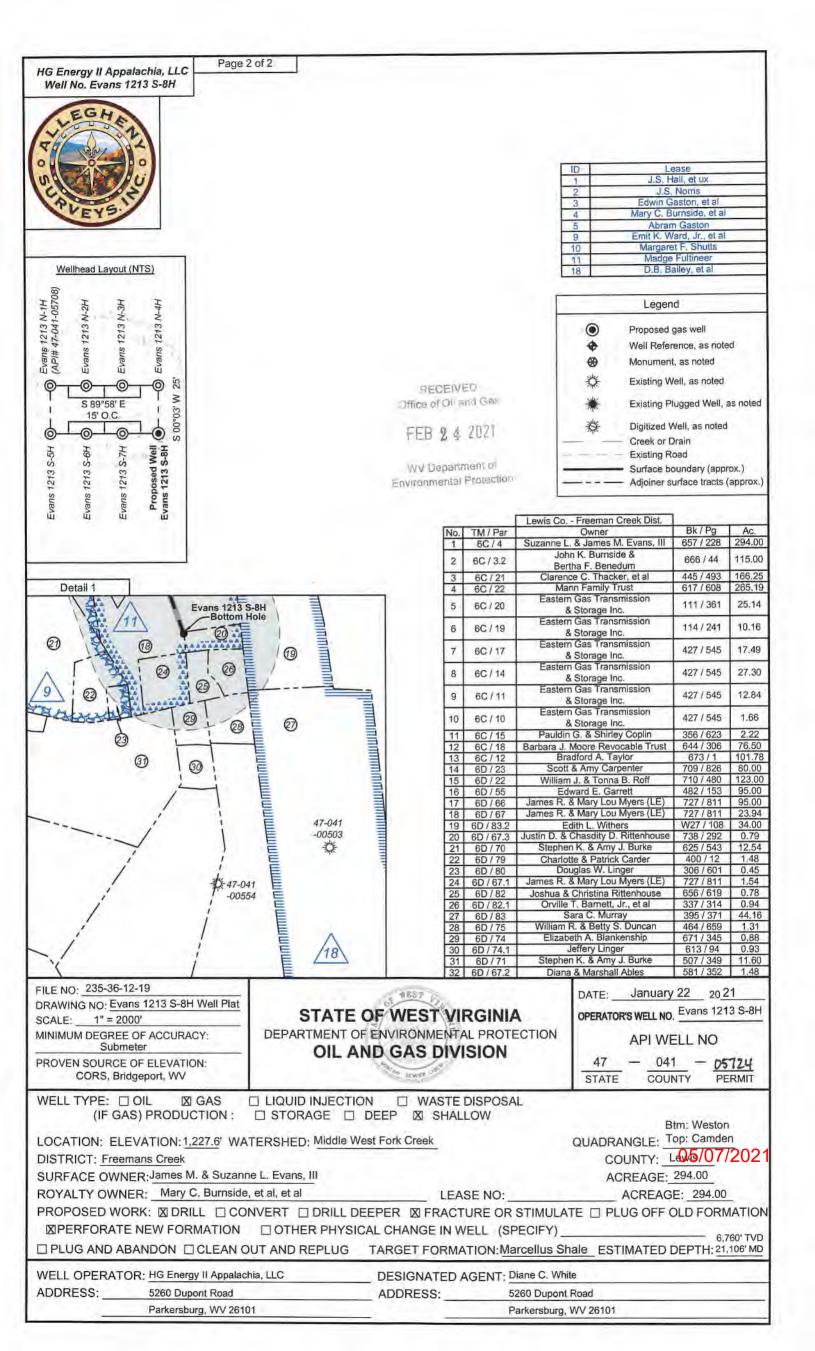
RECEIVED
Office of Oil and Gas

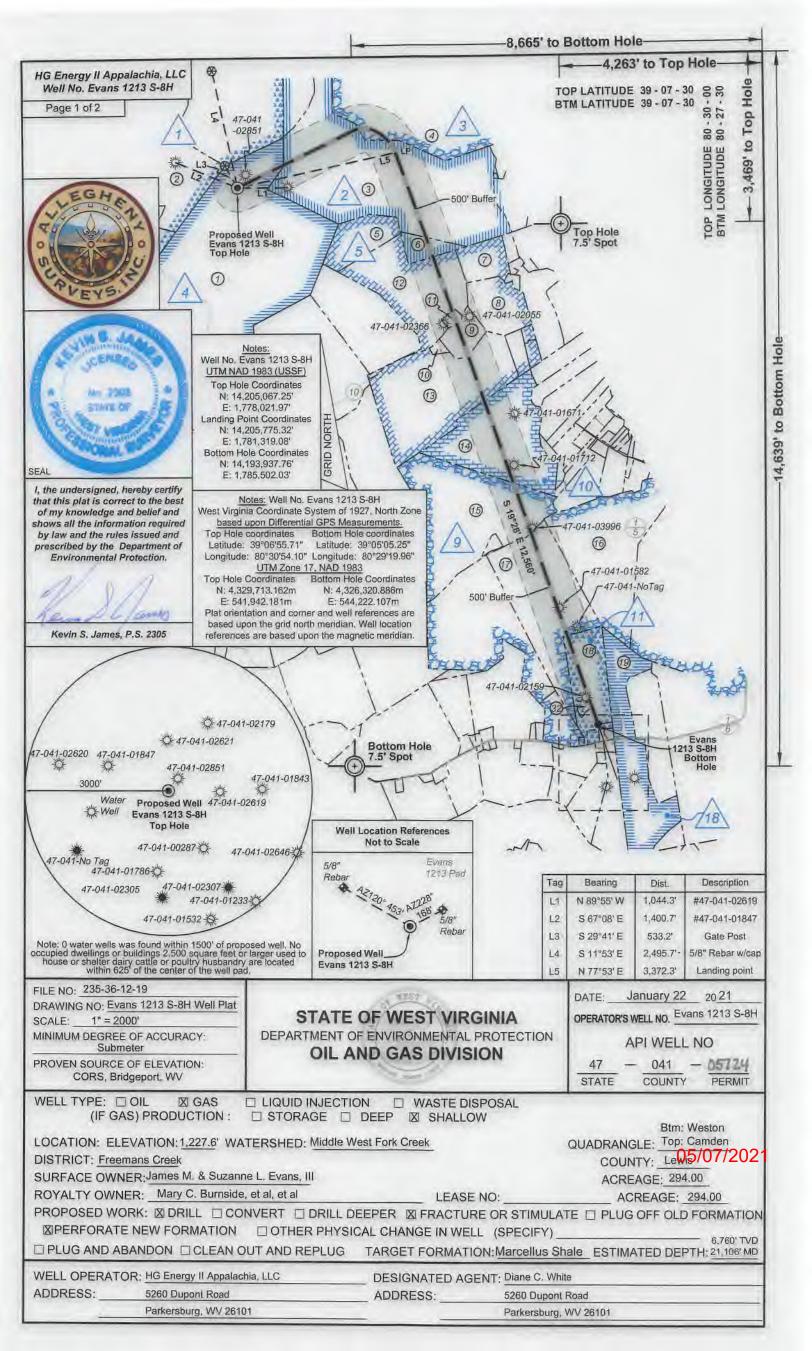
FEB 2 4 2021

WV Department of Environmental Protection

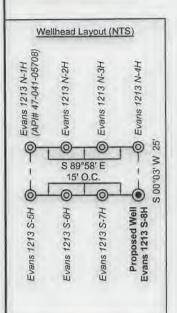












Lease
J.S. Hall, et ux
J.S. Noms
Edwin Gaston, et al
Mary C. Burnside, et al
Abram Gaston
Emit K. Ward, Jr., et al
Margaret F. Shutts
Madge Fultineer
D.B. Bailey, et al

Legend					
•	Proposed gas well				
•	Well Reference, as noted				
⊗	Monument, as noted				
禁	Existing Well, as noted				
*	Existing Plugged Well, as noted				
恭	Digitized Well, as noted				
	Creek or Drain				
	Existing Road				
_	 Surface boundary (approx.) 				
	Adjoiner surface tracts (approx.)				

Detail 1		Evans 1213 S Bottom F	S-8H Hole		:Illimmini
	1	47-04		47-041 -00503	
Ell E NO: 235-36		/ -0055		18	

NI.	TAA / Down	Lewis Co Freeman Creek Dist.	Bk / Pa	Ac.
No.	TM / Par	Owner		
1	6C/4	Suzanne L. & James M. Evans, III	657 / 228	294.00
2	6C / 3.2	John K. Burnside & Bertha F. Benedum	666 / 44	115.00
3	6C / 21	Clarence C. Thacker, et al	445 / 493	166.25
4	6C / 22	Mann Family Trust	617 / 608	265.19
5	6C / 20	Eastern Gas Transmission & Storage Inc.	111/361	25.14
6	6C / 19	Eastern Gas Transmission & Storage Inc.	114 / 241	10.16
7	6C / 17	Eastern Gas Transmission & Storage Inc.	427 / 545	17.49
8	6C / 14	Eastern Gas Transmission & Storage Inc.	427 / 545	27.30
9	6C / 11	Eastern Gas Transmission & Storage Inc.	427 / 545	12.84
10	6C / 10	Eastern Gas Transmission & Storage Inc.	427 / 545	1.66
11	6C / 15	Pauldin G. & Shirley Coplin	356 / 623	2.22
12	6C / 18	Barbara J. Moore Revocable Trust	644 / 306	76.50
13	6C / 12	Bradford A. Taylor	673 / 1	101.78
14	6D / 23	Scott & Amy Carpenter	709 / 826	80.00
15	6D / 22	William J. & Tonna B. Roff	710 / 480	123.00
16	6D / 55	Edward E. Garrett	482 / 153	95.00
17	6D / 66	James R. & Mary Lou Myers (LE)	727 / 811	95.00
18	6D / 67	James R. & Mary Lou Myers (LE)	727 / 811	23.94
19	6D / 83.2	Edith L. Withers	W27 / 108	34.00
20	6D / 67.3	Justin D. & Chasdity D. Rittenhouse	738 / 292	0.79
21	6D / 70	Stephen K. & Amy J. Burke	625 / 543	12.54
22	6D / 79	Charlotte & Patrick Carder	400 / 12	1.48
23	6D / 80	Douglas W. Linger	306 / 601	0.45
24	6D / 67.1	James R. & Mary Lou Myers (LE)	727 / 811	1.54
25	6D / 82	Joshua & Christina Rittenhouse	656 / 619	0.78
26	6D / 82.1	Orville T. Barnett, Jr., et al	337 / 314	0.94
27	6D / 83	Sara C. Murray	395 / 371	44.16
28	6D / 75	William R. & Betty S. Duncan	464 / 659	1.31
29	6D / 74	Elizabeth A. Blankenship	671 / 345	0.88
30	6D / 74.1	Jeffery Linger	613/94	0.93
31	6D / 71	Stephen K. & Amy J. Burke	507 / 349	11.60
32	6D / 67.2	Diana & Marshall Ables	581 / 352	1.48

DRAWING NO: Evans 1213 S-8H Well Plat SCALE: 1" = 2000" MINIMUM DEGREE OF ACCURACY:

Submeter PROVEN SOURCE OF ELEVATION: CORS, Bridgeport, WV

DISTRICT: Freemans Creek

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

DATE: January 22 20 21 OPERATOR'S WELL NO. Evans 1213 S-8H

API WELL NO

47 041 - 05724 STATE COUNTY PERMIT

WELL TYPE: □ OIL X GAS ☐ LIQUID INJECTION ☐ WASTE DISPOSAL (IF GAS) PRODUCTION: ☐ STORAGE ☐ DEEP ☒ SHALLOW LOCATION: ELEVATION: 1,227.6' WATERSHED: Middle West Fork Creek

Btm: Weston

QUADRANGLE: Top: Camden COUNTY: LeW5/07/202

ACREAGE: 294.00 LEASE NO: ACREAGE: 294.00

TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 21,106' MD

ROYALTY OWNER: Mary C. Burnside, et al, et al PROPOSED WORK: ☑ DRILL ☐ CONVERT ☐ DRILL DEEPER ☒ FRACTURE OR STIMULATE ☐ PLUG OFF OLD FORMATION

☑PERFORATE NEW FORMATION ☐ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) ☐ PLUG AND ABANDON ☐ CLEAN OUT AND REPLUG

WELL OPERATOR: HG Energy II Appalachia, LLC

SURFACE OWNER: James M. & Suzanne L. Evans, III

ADDRESS: 5260 Dupont Road DESIGNATED AGENT: Diane C. White

ADDRESS: 5260 Dupont Road

Parkersburg, WV 26101

Parkersburg, WV 26101

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

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 DERCEIVED 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

FEB 2 4 2021

WV Department of Environmental Protection

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

		_	1	HG Energy II Appalachia, LLC -	1213 S-8H LEASE CHAIN		 				
ΓRACT 1213S	LEGACY LEASE NUMBER	TAX MAP	LEASE NUMBER	GRANTOR/LESSOR	GRANTEE/LESSEE	ROYALTY	DEED BOOK				
	 			MARY C. BURNSIDE AND JOHN L. BURNSIDE, HER HUSBAND	A. W. WOODFORD AND GEO. E. MCGUIRE	NOT LESS THAN 1/8	33				
	1		ì	A. W. WOODFORD	J. M. GUFFEY AND J. H. GALEY	ASSIGNMENT	33				
				J. M. GUFFEY AND J. H. GALEY	THE PHILADELPHIA COMPANY OF WEST VIRGINIA	ASSIGNMENT	44				
	1			THE PHILADELPHIA COMPANY OF WEST VIRGINIA	THE PITTSBURGH AND WEST VIRGINIA GAS COMPANY	ASSIGNMENT	125	_			
				THE PHILADELPHIA COMPANY OF WEST VIRGINIA	THE PITTSBURGH AND WEST VIRGINIA GAS COMPANY	DEED	125				
				THE PITTSBURGH AND WEST VIRGINIA GAS COMPANY	EQUITABLE GAS COMPANY	DEED	216				
	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				
	1			CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS TRANSMISSION CORPORATION	ASSIGNMENT	425	-			
			Q100759000	CONSOLIDATED GAS TRANSMISSION CORPORATION	CNG TRANSMISSION CORPORATION	MERGER/NAME CHANGE	WVSOS				
4	FK052229	03-005C-0043-0000	053436	CNG TRANSMISSION CORPORATION DOMINION TRANSMISSION, INC.	DOMINION TRANSMISSION, INC. CNX GAS COMPANY LLC	MERGER/NAME CHANGE	WVSOS				
•		03-006C-0004-0000	053307	CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	MEMORANDUM OF FARMOUT AGREEMENT LIMITED PARTIAL ASSIGNMENT (50%)	672 684	_			
				DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC AND NOBLE ENERGY, INC.	PARTIAL ASSIGNMENT (30%)	712				
				CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	ASSIGNMENT (32%)	717				
			Ì	NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	722				
				DOMINION TRANSMISSION, INC.	DOMINION ENERGY TRANSMISSION, INC.	MERGER/NAME CHANGE	WVSOS	_			
						SECOND AMENDMENT TO MEMORANDUM OF		一			
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	FARMOUT AGREEMENT	723	1			
						THIRD AMENDMENT TO MEMORANDUM OF		Г			
				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	\Box			
				J. S. NORRIS	SOUTH PENN OIL COMPANY	NOT LESS THAN 1/8	42	\subseteq			
				SOUTH PENN OIL COMPANY	HOPE NATURAL GAS COMPANY	ASSIGNMENT	85	_			
				HOPE NATURAL GAS COMPANY	RESERVE GAS COMPANY	ASSIGNMENT	79	_			
				RESERVE GAS COMPANY	HOPE NATURAL GAS COMPANY	CONFIRMATORY DEED	155	<u> </u>			
				HOPE NATURAL GAS COMPANY	CONSOLIDATED GAS SUPPLY CORPORATION	CONFIRMATORY DEED	294	_			
				CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS TRANSMISSION CORPORATION	ASSIGNMENT	425	<u> </u>			
				CONSOLIDATED GAS TRANSMISSION CORPORATION	CNG TRANSMISSION CORPORATION DOMINION TRANSMISSION, INC.	MERGER/NAME CHANGE	WVSOS	—			
				CNG TRANSMISSION CORPORATION DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	MERGER/NAME CHANGE MEMORANDUM OF FARMOUT AGREEMENT	WVSOS				
		03-006C-0021-0000 03-006C-0002-0000 03-006C-0019-0000	}	CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	LIMITED PARTIAL ASSIGNMENT (50%)	672 684	 			
2	FK053129		03-006C-0002-0000	03-006C-0002-0000	Q100767000	DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC AND NOBLE ENERGY, INC.	PARTIAL ASSIGNMENT (30%)	712	<u> </u>	
_							CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	ASSIGNMENT (32%)	717	_
							Ì	NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	722
					NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	722	$\overline{}$		
			1	DOMINON TRANSMISSION, INC.	DOMINION ENERGY TRANSMISSION, INC.	MERGER/NAME CHANGE	WVSOS	_			
						SECOND AMENDMENT TO MEMORANDUM OF		_			
				μ	DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	FARMOUT AGREEMENT	723	i		
				¥ ₹ ∓ 9			THIRD AMENDMENT TO MEMORANDUM OF		$\overline{}$		
			* < 🗂 ਨੂੰ	DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	FARMOUT AGREEMENT	734	i			
		<u></u>	4k m	DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT (68%)	736	$\overline{}$			
			2 2 0	ABRAHAM GASTON	RESERVE GAS COMPANY	NOT LESS THAN 1/8	68	$\overline{}$			
	1		f Oil and o	RESERVE GAS COMPANY	HOPE NATURAL GAS COMPANY	CONFIRMATORY DEED	155				
			de ≥ na	HOPE NATURAL GAS COMPANY	CONSOLIDATED GAS SUPPLY CORPORATION	CONFIRMATORY DEED	294	_			
			2021	CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS TRANSMISSION CORPORATION	ASSIGNMENT	425				
			# → # # # # # # # # # # # # # # # # # #	CONSOLIDATED GAS TRANSMISSION CORPORATION	CNG TRANSMISSION CORPORATION	MERGER/NAME CHANGE	WVSOS				
			7	CNG TRANSMISSION CORPORATION	DOMINION TRANSMISSION, INC.	MERGER/NAME CHANGE	WVSOS				
				DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC NOBLE ENERGY, INC.	MEMORANDUM OF FARMOUT AGREEMENT	672				
			Q101028000/	CNX GAS COMPANY LLC	CNX GAS COMPANY LLC AND NOBLE ENERGY, INC.	LIMITED PARTIAL ASSIGNMENT (50%)	684				
	FK053265	260414000	053390/	DOMINION TRANSMISSION, INC.	CINA GAS COIVIPAINT LLC AIND NOBLE ENERGY, INC.	PARTIAL ASSIGNMENT (32%)	712				

1	1	しょうマニン	NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	722	13
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į				DOMINION ENERGY TRANSMISSION, INC.			
					SECOND AMENDMENT TO MEMORANDUM OF		
]		DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	FARMOUT AGREEMENT	723	4
	1				THIRD AMENDMENT TO MEMORANDUM OF		
1	Į.		DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	FARMOUT AGREEMENT	734	9
Ì			DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT (68%)	736	- 2
			MARGARET F. SHUTTS	HOPE NATURAL GAS COMPANY	NOT LESS THAN 1/8	242	2
				CONSOLIDATED GAS SUPPLY CORPORATION	CONFIRMATORY DEED		
	Ĭ		CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS TRANSMISSION CORPORATION	ASSIGNMENT	425	1
			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	
				CNX GAS COMPANY LLC AND NOBLE ENERGY, INC.	PARTIAL ASSIGNMENT (32%)	712	8
FK066646	03-006D-0023-0000	Q100313000		NOBLE ENERGY, INC.	ASSIGNMENT	717	
1				HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	722	1
1			DOMINION TRANSMISSION, INC.	DOMINION ENERGY TRANSMISSION, INC.	MERGER/NAME CHANGE	wvsos	
]					SECOND AMENDMENT TO MEMORANDUM OF		
1	Ì		DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	FARMOUT AGREEMENT	723	4
		1			THIRD AMENDMENT TO MEMORANDUM OF		
		l	DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	FARMOUT AGREEMENT	734	5
\		i	DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT (68%)	736	2
 	03-0006-0001-0000		JOHN W NORRIS	SOUTH PENN OIL COMPANY	NOT LESS THAN 1/8	42	1
	03-0006-0027-0000			HOPE NATURAL GAS COMPANY	ASSIGNMENT		1
	03-0006-0028 0000			RESERVE GAS COMPANY	ASSIGNMENT		
	03-0006-0028-0001			HOPE NATURAL GAS COMPANY	CONFIRMATORY DEED		
				CONSOLIDATED GAS SUPPLY CORPORATION	CONFIRMATORY DEED		
	n e						
	03-006D-0022-0001						
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140221000					ASSIGNMENT		7
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FEEHGII0035	03-006D-0060-0000					j	
	03-006D-0061-0000						
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	03-006D-0096-0000				i		
	03-006D-0097-0000		1			İ	
	03-006D-0098-0000					1	
			CNX GAS COMPANY LLC	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	766	3
	33 33.2 3342 3332	† · · · · · · · · · · · · · · · · · · ·		CONSOLIDATED GAS SUPPLY CORPORATION	NOT LESS THAN 1/8	314	5
1	1	1		CONSOLIDATED GAS TRANSMISSION CORPORATION	ASSIGNMENT	425	1
1			CONSOLIDATED GAS TRANSMISSION CORPORATION	CNG TRANSMISSION CORPORATION	MERGER/NAME CHANGE	wvsos	
1	03-0060-0067-0000			DOMINION TRANSMISSION, INC.	MERGER/NAME CHANGE		
1	1						3
1	03-006D-0067-0001 03-006D-0067-0002	CNX079169	CONSOL ENERGY HOLDINGS LLC XVI	CONSOL GAS COMPANY	MERGER/NAME CHANGE	wvsos	
1	03-006D-0067-0002 03-006D-0067-0003	1	CONSOL GAS COMPANY	CNX GAS COMPANY LLC	MERGER/NAME CHANGE	9	4
	03-0000-0007-0003		CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	ASSIGNMENT (50%)	659	5
			CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	ASSIGNMENT	717	
		1	ICNX GASTOMPANY LLC				
	140221000 FEEHGII0040	03-0006-0001-0000 03-0006-0027-0000 03-0006-0028 0000 03-0006-0028-0001 03-0060-0028-0001 03-0060-0021-0000 03-0060-0022-0000 03-0060-0022-0001 03-0060-0055-0000 thru 03-0060-0059-0001 03-0060-0059-0001 03-0060-0059-0001 03-0060-0060-0000 03-0060-0060-0000 03-0060-0000 03-0060-0000 03-0060-0000 03-0060-0000 03-0060-0000 03-0060-0000 03-0060-0000 03-0060-0000 03-0060-0000 03-0060-0000 03-0060-0000 03-0060-0000 03-0060-0000 03-0060-0000 03-0060-0000 03-0060-0000 03-0060-0000	FK066646 03-006D-0023-0000 Q100313000 03-0066-0027-0000 03-006-0228-0001 03-0060-0028-0001 03-006D-0022-0000 03-006D-0022-0000 03-006D-0022-0001 03-006D-0022-0001 03-006D-0025-0000 thru 03-006D-0059-0001 03-006D-0069-0000 03-006D-0069-0000 03-006D-0069-0000 03-006D-0069-0000 03-006D-0098-0000	NOBLE ENERGY, INC.	NOBIE DINERGY, INC. PRICE DINERGY, INC. PRICE DINERGY, INC. DOMINION TRANSMISSION, INC. DOMINION TRANSMISSION, INC. DOMINION DIRECT TRANSMISSION, INC.	FEGRESS 1999-14-000-15 CASCIDIANTES CA	WORD PRINCIPAL

	, 		1	HG Energy II Appalachia, LLC	1223 3-011 ELASE CHAIN	1	<u> </u>		
RACT L213S	LEGACY LEASE NUMBER	TAX MAP	LEASE NUMBER	GRANTOR/LESSOR	GRANTEE/LESSEE	ROYALTY	DEED BOOK	ļ	
				MARY C. BURNSIDE AND JOHN L. BURNSIDE, HER HUSBAND	A. W. WOODFORD AND GEO. E. MCGUIRE	NOT LESS THAN 1/8	33		
				A. W. WOODFORD	J. M. GUFFEY AND J. H. GALEY	ASSIGNMENT	33		
				J. M. GUFFEY AND J. H. GALEY	THE PHILADELPHIA COMPANY OF WEST VIRGINIA	ASSIGNMENT	44		
			1	THE PHILADELPHIA COMPANY OF WEST VIRGINIA	THE PITTSBURGH AND WEST VIRGINIA GAS COMPANY	ASSIGNMENT	125		
			Į.	THE PHILADELPHIA COMPANY OF WEST VIRGINIA	THE PITTSBURGH AND WEST VIRGINIA GAS COMPANY	DEED	125		
			1	THE PITTSBURGH AND WEST VIRGINIA GAS COMPANY	EQUITABLE GAS COMPANY	DEED	216		
				EQUITABLE GAS COMPANY AND PHILADELPHIA OIL COMPANY	HOPE NATURAL GAS COMPANY	ASSIGNMENT	246		
	1		1	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	wvsos		
	1	03-005C-0043-0000	Q100759000	CNG TRANSMISSION CORPORATION	DOMINION TRANSMISSION, INC.	MERGER/NAME CHANGE	WVSOS		
4	FK052229	03-006C-0004-0000	053436	DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	MEMORANDUM OF FARMOUT AGREEMENT	672		
		00 0000 0004 0000	053307	CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	LIMITED PARTIAL ASSIGNMENT (50%)	684		
	1			DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC AND NOBLE ENERGY, INC.	PARTIAL ASSIGNMENT (32%)	712		
	l			CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	ASSIGNMENT	717		
	1			NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	722		
				DOMINION TRANSMISSION, INC.	DOMINION ENERGY TRANSMISSION, INC.	MERGER/NAME CHANGE	wvsos		
	i			1			SECOND AMENDMENT TO MEMORANDUM OF		
	1			DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	FARMOUT AGREEMENT	723		
١			1			THIRD AMENDMENT TO MEMORANDUM OF			
			1	DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	FARMOUT AGREEMENT	734		
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT (68%)	736		
				J. S. NORRIS	SOUTH PENN OIL COMPANY	NOT LESS THAN 1/8	42		
			1	SOUTH PENN OIL COMPANY	HOPE NATURAL GAS COMPANY	ASSIGNMENT	85		
				HOPE NATURAL GAS COMPANY	RESERVE GAS COMPANY	ASSIGNMENT	79		
				RESERVE GAS COMPANY	HOPE NATURAL GAS COMPANY	CONFIRMATORY DEED	155		
				HOPE NATURAL GAS COMPANY	CONSOLIDATED GAS SUPPLY CORPORATION	CONFIRMATORY DEED	294		
			1	CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS TRANSMISSION CORPORATION	ASSIGNMENT	425		
		03-006C-0021-0000 03-006C-0002-0000 03-006C-0019-0000		CONSOLIDATED GAS TRANSMISSION CORPORATION	CNG TRANSMISSION CORPORATION	MERGER/NAME CHANGE	wvsos		
	Į.			CNG TRANSMISSION CORPORATION	DOMINION TRANSMISSION, INC.	MERGER/NAME CHANGE	wysos		
				DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	MEMORANDUM OF FARMOUT AGREEMENT	672		
				CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	LIMITED PARTIAL ASSIGNMENT (50%)	684		
2	FK053129		03-006C-0002-0000	Q100767000	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		
		1			HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	722		
			Office of o	DOMINON TRANSMISSION, INC.	DOMINION ENERGY TRANSMISSION, INC.	MERGER/NAME CHANGE	WVSOS		
			월을 끊 끊고	1		SECOND AMENDMENT TO MEMORANDUM OF	555		
	1		B 2 4	DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	FARMOUT AGREEMENT	723		
	1					THIRD AMENDMENT TO MEMORANDUM OF	,23		
					HG ENERGY II APPALACHIA, LLC	FARMOUT AGREEMENT	734		
		1	and 20	DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT (68%)	736		
			4°)	ABRAHAM GASTON	RESERVE GAS COMPANY	NOT LESS THAN 1/8	68		
	1]	action 2	RESERVE GAS COMPANY	HOPE NATURAL GAS COMPANY	CONFIRMATORY DEED	155		
	1	,	5	HOPE NATURAL GAS COMPANY	CONSOLIDATED GAS SUPPLY CORPORATION	CONFIRMATORY DEED	294		
			1	CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS TRANSMISSION CORPORATION	ASSIGNMENT	425		
			1	CONSOLIDATED GAS SOPPET CORPORATION CONSOLIDATED GAS TRANSMISSION CORPORATION	CNG TRANSMISSION CORPORATION	MERGER/NAME CHANGE	WVSOS		
	1			CNG TRANSMISSION CORPORATION	DOMINION TRANSMISSION, INC.	MERGER/NAME CHANGE	WVSOS		
	1		1	DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	MEMORANDUM OF FARMOUT AGREEMENT			
	1		ļ	CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	LIMITED PARTIAL ASSIGNMENT (50%)	672		
	1		Q101028000/				684		
	FK053265	260414000	053390/	DOMINION TRANSMISSION, INC. CNX GAS COMPANY LLC	CNX GAS COMPANY LLC AND NOBLE ENERGY, INC. NOBLE ENERGY. INC.	PARTIAL ASSIGNMENT (32%) ASSIGNMENT	712 717		

I	1	1	000420	NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	722	139
Į.	1	ì		NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	722	170
		1		DOMINION TRANSMISSION, INC.	DOMINION ENERGY TRANSMISSION, INC.	MERGER/NAME CHANGE	wvsos	
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	SECOND AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	723	499
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	THIRD AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	734	55
	i			DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT (68%)	736	22
				MARGARET F. SHUTTS	HOPE NATURAL GAS COMPANY	NOT LESS THAN 1/8	242	21
	l l			HOPE NATURAL GAS COMPANY	CONSOLIDATED GAS SUPPLY CORPORATION	CONFIRMATORY DEED	294	8
				CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS SOFFET CORFORATION CONSOLIDATED GAS TRANSMISSION CORPORATION	ASSIGNMENT	425	12
				CONSOLIDATED GAS SOPPLY CORPORATION CONSOLIDATED GAS TRANSMISSION CORPORATION	CNG TRANSMISSION CORPORATION	MERGER/NAME CHANGE	WVSOS	12
				CNG TRANSMISSION CORPORATION	DOMINION TRANSMISSION, INC.	MERGER/NAME CHANGE	WVSOS	
				DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	MEMORANDUM OF FARMOUT AGREEMENT	672	15
				CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	LIMITED PARTIAL ASSIGNMENT (50%)	684	5
10	FK066646	03-006D-0023-0000	Q100313000	DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC AND NOBLE ENERGY, INC.	PARTIAL ASSIGNMENT (32%)	712	84
10	11000040			CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	ASSIGNMENT	717	:
				NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	722	139
				DOMINION TRANSMISSION, INC.	DOMINION ENERGY TRANSMISSION, INC.	MERGER/NAME CHANGE	wvsos	
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	SECOND AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	723	499
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	THIRD AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	734	558
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT (68%)	736	22
		03-0006-0001-0000		JOHN W NORRIS	SOUTH PENN OIL COMPANY	NOT LESS THAN 1/8	42	119
-		03-0006-0027-0000 03-0006-0028 0000 03-0006-0028-0001		SOUTH PENN OIL COMPANY	HOPE NATURAL GAS COMPANY	ASSIGNMENT	85	12
				HOPE NATURAL GAS COMPANY	RESERVE GAS COMPANY	ASSIGNMENT	79	370
				RESERVE GAS COMPANY	HOPE NATURAL GAS COMPANY	CONFIRMATORY DEED	155	202
	140221000 FEEHGII0040 FEEHGII0035	03-0006-0028-0002 03-006D-0021-0000		HOPE NATURAL GAS COMPANY	CONSOLIDATED GAS SUPPLY CORPORATION	CONFIRMATORY DEED	294	89
		03-006D-0022-0000 03-006D-0022-0001		CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS TRANSMISSION CORPORATION	ASSIGNMENT	425	12
				CONSOLIDATED GAS TRANSMISSION CORPORATION	CNG TRANSMISSION CORPORATION	MERGER/NAME CHANGE	WVSOS	14.
		03-006D-0055-0000		CNG TRANSMISSION CORPORATION	DOMINION TRANSMISSION, INC.	MERGER/NAME CHANGE	wvsos	
		thru 03-006D-0059-0000 03-006D-0059-0001 03-006D-0060-0000 03-006D-0061-0000 thru 03-006D-0066-0000 p/o 03-006D-0070-0000 03-006D-0097-0000 03-006D-0097-0000 03-006D-0097-0000 03-006D-0097-0000 03-006D-0098-0000 03-007D-0042-0000 03-007D-0042-0001		DOMINION TRANSMISSION INC	CNX GAS COMPANY LLC	ASSIGNMENT	658	71!
9			CNX140221000	Office FEB WV D Environm			030	/13
				CNX GAS COMPAND LLC 20	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	766	352
		1		MADGE FULTIMEER	CONSOLIDATED GAS SUPPLY CORPORATION	NOT LESS THAN 1/8	314	597
				CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS TRANSMISSION CORPORATION	ASSIGNMENT	425	127
				CONSOLIDATED GAS TRANSMISSION CORPORATION	CNG TRANSMISSION CORPORATION	MERGER/NAME CHANGE	WVSOS	
		03-006D-0067-0000		CNG TRANSMISSION CORPORATION	DOMINION TRANSMISSION, INC.	MERGER/NAME CHANGE	wvsos	
11		03-006D-0067-0001	CNX079169	DOMINION TRANSMISSION INC	CONSOL ENERGY HOLDINGS LLC XVI	ASSIGNMENT	651	318
11		03-006D-0067-0002	(14/10/5105	CONSOL ENERGY HOLDINGS LLC XVI	CONSOL GAS COMPANY	MERGER/NAME CHANGE	WVSOS	
	1	03-006D-0067-0003		CONSOL GAS COMPANY	CNX GAS COMPANY LLC	MERGER/NAME CHANGE	9	471
	1			CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	ASSIGNMENT (50%)	659	521
			1	CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	ASSIGNMENT	717	1
	ı	1	1	NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	722	170



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

January 27, 2021

Kelly Kees WV DEP Division of Oil & Gas 601 57th Street Charleston, WV 25304

RE: Drilling Under Roads - Evans 1213 S-8H

Freemans Creek District, Lewis County

West Virginia

Dear Ms. Kees:

HG Energy II Appalachia, LLC, is submitting the attached application for a new well work permit for the Evans 1213 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 Evans 1213 laterals will drill through including any and all roads crossed under as identified on the attached survey plat.

RECEIVED
Office of Oil and Gas

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

FEB 2 4 2021

WV Department of

Environmental Protection

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

Date of Notic	ce Certification, overlead		10.4/	
			ator's Well No. Evan	
		Well	Pad Name: Evans V	Well Pad
Notice has l				
	ne provisions in West Virginia Code §	22-6A, the Operator has provided t	he required parties v	with the Notice Forms listed
	tract of land as follows:			
State:	West Virginia	UTM NAD 83 Eastin		
County:	Lewis	North	ing: 4329713.2	
District:	Freemans Creek	Public Road Access:	Mare Run Road	/ CR 109
Quadrangle:	Big Isaas WV 7.5's Canden	Generally used farm na	me: Evans	
Watershed:	Middle West Fork Creek			
it has provid information r of giving the requirements Virginia Cod of this article	the secretary, shall be verified and sled the owners of the surface described equired by subsections (b) and (c), se surface owner notice of entry to su of subsection (b), section sixteen of e § 22-6A-11(b), the applicant shall thave been completed by the applicant west Virginia Code § 22-6A, the Op	need in subdivisions (1), (2) and (4) ction sixteen of this article; (ii) that rivey pursuant to subsection (a), see a this article were waived in writing ender proof of and certify to the secret.	, subsection (b), set the requirement was ction ten of this arti g by the surface over tetary that the notice	ction ten of this article, the deemed satisfied as a resul- icle six-a; or (iii) the notice wher; and Pursuant to Wes
that the Ope	west Virginia Code § 22-0A, the Operator has properly served the require		nce Certification	OOG OFFICE USE ONLY
riderion ciri	Delt'ille iilli i'illi i'			ONLI
☐ 1. NO	TICE OF SEISMIC ACTIVITY or	NOTICE NOT REQUIRED B SEISMIC ACTIVITY WAS CON		RECEIVED/ NOT REQUIRED
☐ 2. NO	TICE OF ENTRY FOR PLAT SURV	TEY or NO PLAT SURVEY WA	AS CONDUCTED	☐ RECEIVED
■ 3. NO	TICE OF INTENT TO DRILL or	☐ NOTICE NOT REQUIRED B NOTICE OF ENTRY FOR PLAT WAS CONDUCTED or		☐ RECEIVED/ NOT REQUIRED
		☐ WRITTEN WAIVER BY SU (PLEASE ATTACH)	JRFACE OWNER	
■ 4. NO	TICE OF PLANNED OPERATION		Chi simple co.	☐ RECEIVED
5. PUI	BLIC NOTICE	FEB	2 4 7071	☐ RECEIVED

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:

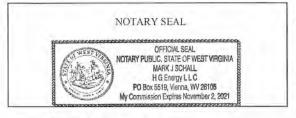
THEREFORE, I Diane White , have read and understand the notice requirements within West Virginia Code § 22-6A. I certify that as required under West Virginia Code § 22-6A, I have served the attached copies of the Notice Forms, identified above, to the required parties through personal service, by registered mail or by any method of delivery that requires a receipt or signature confirmation. I certify under penalty of law that I have personally examined and am familiar with the information submitted in this Notice Certification and all attachments, 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 and imprisonment.

 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



Subscribed and sworm before me this 27th day of January, 2021

Notary Public

My Commission Expires 11 / 2 / 202

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 deepprivacyofficer@wv.gov.

Office of Charman

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WV Department &

WW-6A (9-13)

API NO. 47	
OPERATOR WELL	NO. Evans 1213 N2H -S8H
Well Pad Name: Evar	ns 1213

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: 02/11/21 Date Permit Application Filed: 02/21/2021 Notice of: PERMIT FOR ANY ☐ CERTIFICATE OF APPROVAL FOR THE CONSTRUCTION OF AN IMPOUNDMENT OR PIT WELL WORK Delivery method pursuant to West Virginia Code § 22-6A-10(b) ☐ REGISTERED ☑ METHOD OF DELIVERY THAT REQUIRES A PERSONAL RECEIPT OR SIGNATURE CONFIRMATION **SERVICE** MAIL Pursuant to W. Va. Code § 22-6A-10(b) no later than the filing date of the application, the applicant for a permit for any well work or for a certificate of approval for the construction of an impoundment or pit as required by this article shall deliver, 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: ☐ COAL OWNER OR LESSEE ☐ SURFACE OWNER(s) RECEIVED Name: Suzanne & James Evans (pad, road, water) Name: NA Office of Oil and Gas Address: 1064 38th Street Address: Parkersburg, WV 26104 FEB 2 4 2021 □ COAL OPERATOR Name: Name: NA Address: Address: WV Department of **Environmental Protection** ☐ SURFACE OWNER(s) (Road and/or Other Disturbance) ☐ SURFACE OWNER OF WATER WELL Name: AND/OR WATER PURVEYOR(s) Address: Name: Name: Address: Address: OPERATOR OF ANY NATURAL GAS STORAGE FIELD ☐ SURFACE OWNER(s) (Impoundments or Pits) Name: Dominion Energy Transmission Attn: Ronald Waldren Address: 925 White Oaks Blvd Name: _____ Address: Bridgeport, WV 26330 *Please attach additional forms if necessary

WW-6A
(8-13)

API NO. 47	-	
OPERATOR WE	ELL NO.	Evans 1213 N2H -S8H
Well Pad Name:	Evans 1213	3

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 <a href="https://www.dep.ww.dep.ww.dep.ww.dep.ww.dep.ww.dep.ww.dep.ww.dep.ww.dep.ww.dep.ww.dep.ww.dep.ww.dep.ww.

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 systemion 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

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WW-6A (8-13) API NO. 47- OPERATOR WELL NO. Evans 1213 N2H-S8H
Well Pad Name: Evans 1213

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 from 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

FEB 2 4 2021

WV Department of Environmental Protection

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.

API NO. 47-___

OPERATOR WELL NO. Evans 1213 N2H -S8H

Well Pad Name: Evans 1213

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

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-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.

RECEIVED
Office of Oil and Gas

FEB 2 4 2021

WW-6A (8-13)

API NO. 47		
OPERATOR WE	ELL NO.	Evans 1213 N2H -S8H
Well Pad Name:	Evans 1213	3

Notice is hereby given by:

Well Operator	r: HG Energy II Appalachia, LLC	Address: 5260 Dupont Road
Telephone:	304-420-1119	Parkersburg, WV 26101
Email:	dwhite@hgenergylic.com	Facsimile: 304-863-2172

Oil and Gas Privacy Notice:

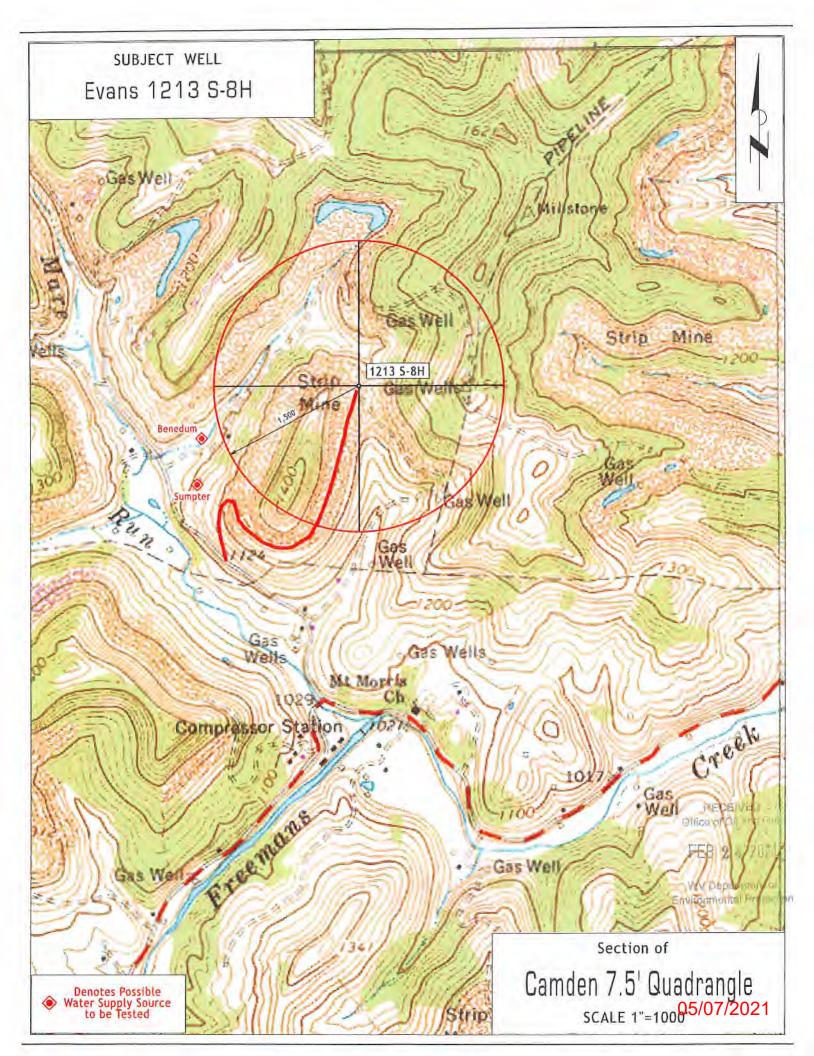
The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory 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 deprivacyofficer@wv.gov.



Subscribed and sworn before me this 11th day of February,	2021
Corrandy Bend	_ Notary Public
My Commission Expires 7/3/2022	

RECEIVED
Office of Oil and Geo

FEB 2 4 2021





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

February 11, 2021

Suzanne & James Evans 1064 38th Street Parkersburg, WV 26104

RE:

Evans 1213 N-2H thru S-8H Well Work Permit Application - Notification

Freemans Creek District, Lewis County

West Virginia

Dear Mr. and Mrs. Evans:

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 or email at dwhite@hgenergyllc.com.

Very truly yours,

Diane White

Diane C. White

RECEIVED
Office of Oil and Ge.

FEB 2 4 2021

WV Department of Environmental Protection

Enclosures

Diane White

From:

Diane White

Sent:

Wednesday, September 2, 2020 4:14 PM

To:

Vicki Hoops

Subject:

Water Sampling/Testing for the Evans 1213 Well Pad

Vicki,

There is one surface owner for the 1213 well pad and access road. They have three water sources they would like tested. I'm assuming

you'll have to call for an appointment so they can identify the water sources they want tested. See below for information.

Suzanne and James Evans 1064 38th Street Parkersburg, WV 26104 Parcel 21-3-6c-4 304-482-7452 (Dale Evans)

Thanks, Diane

Diane C. White



HG Energy, LLC 5260 Dupont Road Parkersburg, WV 26101 304-420-1119 (O) 304-482-0108 (C) dwhite@hgenergyllc.com https://hgenergyllc.com

RECEIVED
Office of Oil and Gas

FEB 2 4 2021

ronmental

VICTORIA L. HOOPS, PRESIDENT

COMPANY:

H.G. ENERGY, LLC.

DATE/TIME SAMPLED:

10-20-20 1430

SAMPLE ID:

EVANS WELL#1

DATE/TIME RECEIVED:

10-20-20 1400

SAMPLED BY: L. GARLITZ

LABORATORY ID:

HGE 201020-1

PARAMETER	RESULTS		метнор	METHOD DETECTION LIMIT	MINIMUM REPORTING LIMIT	DATE/TIME ANALYZED	ANALYST
FIELD pH	7.4	units				10-20-20 1430	LG
FIELD TEMP	15.8	°C				10-20-20 1430	LG
FIELD COND	485	μmhos				10-20-20 1430	LG
рН О	6.8	units	SM 22 nd 4500 H B	.1	210.	10-21-20 1117	HN
Fe	5.11	mg L	EPA 200.7 Rev 4.4-1994	.05	.25	10-22-20 1523	DB
TDS	267	mg/L	USGS I-1750-85	4	4	10-21-20 2241	EK
CI-	5.70	mg/L	EPA 300.0 Rev 2.1-1993	1.0	1.0	10-22-20 2244	DC
MBAS	U	mg L	SM22 nd 5540C	.02	.04	10-21-20 2126	SW

*Client Provided

**See Attached. The following results meet or exceed requirements and standards set forth by the certifying authority except where noted.

Data Qualifiers

Analyte found in reagent blank. Indicates possible reagent or background contamination. B

RECEIVED Office of Oil and Ges

E Estimated Reported value exceeded calibration range.

Reported value is an estimate because concentration is less than reporting limit.

PND Precision not determined.

J

FEB 2 4 2021

Sample results rejected because of gross deficiencies in QC or method performance. Re-sampling and or re-analysis is necessary. R Recovery not determined. RND

WV Daparanent or

U Compound was analyzed for, but not detected.

0 Out of holding. Time does not meet 40 CFR 136/141 compliance. Environmental Protection

This result is not supported by our certification ID. T

Does not meet 40 CFR 136/141 compliance. A

C Does not meet 47 CSR 32 compliance.

Narrative:

Dough H Bust

Sturm Environmental Services —

VICTORIA L. HOOPS, PRESIDENT

COMPANY:

H.G. ENERGY, LLC.

DATE/TIME SAMPLED:

10-20-20 1445

SAMPLE ID:

EVANS WELL #2

DATE TIME RECEIVED:

10-20-20 1400

SAMPLED BY: L. GARLITZ

LABORATORY ID:

HGE 201020-2

PARAMETER	TEST RESULTS	UNITS	метнор	METHOD DETECTION LIMIT	MINIMUM REPORTING LIMIT	DATE/TIME ANALYZED	ANALYST
FIELD pH	7.5	units			1	10-20-20 1445	LG
FIELD TEMP	15.5	°C				10-20-20 1445	LG
FIELD COND	628	μmhos				10-20-20 1445	LG
pH O	7.0	units	SM 22 nd 4500 H B	.1	210.	10-21-20 1117	HN
Fe	.39	mg/L	EPA 200.7 Rev 4.4-1994	.05	.25	10-22-20 1523	DB
TDS	353	mg L	USGS I-1750-85	4	4	10-21-20 2241	EK
Cl-	4.20	mg/L	EPA 300.0 Rev 2.1-1993	1.0	1.0	10-22-20 2244	DC
MBAS	U	mg L	SM22 rd 5540C	.02	.04	10-21-20 2126	SW
1.1.							

*Client Provided

E

**See Attached. The following results meet or exceed requirements and standards set forth by the certifying authority except where noted. Data Qualifiers

B Analyte found in reagent blank. Indicates possible reagent or background contamination.

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White of Oil and Gas

J Reported value is an estimate because concentration is less than reporting limit.

PND Precision not determined.
R Sample results rejected because of gross deficiencies in QC or method performance. Re-sampling and or re-analysis is necessary.

FEB 2 4 2021

RND Recovery not determined.

Compound was analyzed for, but not detected.
 Out of holding. Time does not meet 40 CFR 136 141 compliance.

Estimated Reported value exceeded calibration range.

WV Department of Environmental Protection

T This result is not supported by our certification ID.

A Does not meet 40 CFR 136/141 compliance.

C Does not meet 47 CSR 32 compliance.

Narrative:

Approved Doops 4 Busto

Sturm Environmental Services

VICTORIA L. HOOPS, PRESIDENT

COMPANY:

H.G. ENERGY, LLC.

DATE TIME SAMPLED:

10-20-20 1250

SAMPLE ID:

HAUGHT

DATE TIME RECEIVED:

10-20-20 1400

SAMPLED BY: L. GARLITZ

.....

LABORATORY ID:

HGE 201020-3

TEST RESULTS	UNITS	METHOD	METHOD DETECTION LIMIT	MINIMUM REPORTING LIMIT	DATE/TIME ANALYZED	ANALYST
7.1	units				10-20-20 1250	LG
16.2	°C				10-20-20 1250	LG
449	μmhos				10-20-20 1250	LG
7.1	units	SM 22 rd 4500 H B	.1.	210.	10-21-20 1117	HN
U	mg/L	EPA 200.7 Rev 4.4-1994	.05	.25	10-22-20 1523	DB
252	mg/L	USGS 1-1750-85	4	4	10-21-20 2241	EK
14.1	mg/L	EPA 300.0 Rev 2.1-1993	1.0	1.0	10-22-20 2244	DC
U	mg:L	SM22 nd 5540C	.02	.04	10-21-20 2126	SW
	7.1 16.2 449 7.1 U 252	RESULTS 7.1 units 16.2 °C 449 μmhos 7.1 units U mg L 252 mg/L 14.1 mg/L	RESULTS UNITS METHOD 7.1 units 16.2 °C 449 μmhos 7.1 units SM 22 nd 4500 H B U mg/L EPA 200.7 Rev 4.4-1994 252 mg/L USGS 1-1750-85 14.1 mg/L EPA 300.0 Rev 2.1-1993	TEST UNITS METHOD DETECTION LIMIT	RESULTS UNITS METHOD DETECTION LIMIT REPORTING LIMIT 7.1 units	RESULTS UNITS METHOD DETECTION LIMIT REPORTING LIMIT DATE TIME ANALYZED 7.1 units 10-20-20 1250 16.2 °C 10-20-20 1250 449 μmhos 10-20-20 1250 D 7.1 units SM 22 nd 4500 H B .1 210. 10-21-20 1117 U mg/L EPA 200.7 Rev 4.4-1994 .05 .25 10-22-20 1523 252 mg/L USGS 1-1750-85 4 4 10-21-20 2241 14.1 mg/L EPA 300.0 Rev 2.1-1993 1.0 1.0 10-22-20 2244

*Client Provided

E

**See Attached. The following results meet or exceed requirements and standards set forth by the certifying authority except where noted. Data Qualifiers

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RECEIVED

Office of Oil and Gas

WV Department of

Environmental Protection

J Reported value is an estimate because concentration is less than reporting limit.
PND Precision not determined.

R Sample results rejected because of gross deficiencies in QC or method performance. Re-sampling and or re-analysis is necessary. EB 2 4 20

RND Recovery not determined.

U Compound was analyzed for, but not detected.

O Out of holding. Time does not meet 40 CFR 136 141 compliance.

Estimated Reported value exceeded calibration range.

T This result is not supported by our certification ID.

A Does not meet 40 CFR 136/141 compliance.

C Does not meet 47 CSR 32 compliance.

Narrative:

Approved

red Dough 11 Bando

STURM ENVIRONMENTAL SERVICES

STURM ENVIRONMENTAL BRUSHY FORK ROAD BRIDGEPORT, WV 26330 PHONE: 304-623-6549 FAX: 304-623-6552 STURM ENVIRONMENTAL SERVICES 610 D STREET SO. CHARLESTON, WV 25303 PHONE: 304-744-9864

FAX: 304-744-7866 MAILING ADDRESSES ARE LISTED BELOW

REPORT TO: Client Name:	HG EN	ERGY		2						Е	ILL	TO:	CII	ent N	Vame	e:												3 3	PG 1 OF 2	E 4
Address:																												RECEIVE Office of Oil a	63	Environmental
City/State/Zip:										_			City															CC 0	FEB	5 8
Contact Person:																												16	正 多	10
Telephone Number:											T	elep	hon	e Nu	mbe	r;					F	AX								Ē
Email Address:														1 Add										,				-		
Sampler Name: (Print)	LARRY	GARLI	TZ	200								Pun	chas	e On	der i	_														
Sampler Signature:	12	-	/	L							TU	RN A	ROI	UND .	TIME	E:	S	itani	dard									1 DAY	2 DAY	3 DAY
Project Name.																	R	RUSH	H (pre-sch	edule	l; surcharg	es may	apply)	Pleas	e Chec	k One				
Special Reporting:		Email F	Results			Fax Res	ults			-							_	netty.	Da	ate Ne	eded								R	
	C	OMPOSI	TE SAM	PLE	GRAB	SAMPLE	L	PR	ESER	ATIV	E			MA	TRIX				AA	VALYZ	E FOR:			1						
Sample ID / Description	START DATE	START TIME	END DATE	END TIME	DATE	TIME	Ice	ОТНЕК	HC1	H,SO, Plastic	H ₂ SO ₄ Glass	HNO ₃	Groundwaler	Wastewater Drinking Water	Sludge	Other (specify):	Predrili				FREQUENCY			# of Bottles	Fleid pH	Flow (gpm, cfs, mgd) circle one	Field Conductivity	Field DO	Field Chlorine(mg/L or ugiL) circle one	Flejd Tamp (F° or C°) circle one
Evans (w-1)					10/20/20	230 pm	x		T				П				x							3	7.4	-	485			15.8
Evans (w-2)				3.5	10/20/20	245 pm			11				П			T								3	7.5		628		- Tanahai	15.5
Evans (w-3)					10/20/20	300 pm	H		H		1			T			1	1		F	1	П	1	0						10.0
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STURM ENVIRONMENTAL SERVICES

STURM ENVIRONMENTAL BRUSHY FORK ROAD BRIDGEPORT, WV 26330 PHONE: 304-623-6549

STURM ENVIRONMENTAL SERVICES 610 D STREET SO. CHARLESTON, WV 25303 PHONE: 304-744-9864

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SERVICE	S															FA	UK: 3	304-6	623-	-6552 MA	2 AILING ADI	RESSE	S A			04-744-78 BELOW	66		PG 1 QF 2	
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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.

Date of Four	ce: 02/10/2021	provided at least TEN (10) days prior to filing a Date Permit Application Filed: 02/20/2021	permit application.
J. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	7		
Delivery met	hod pursuant to West Virgin	ia Code § 22-6A-16(b)	
☐ HAND	■ CERTIFIED N	AAIL	
DELIVE		CEIPT REQUESTED	
receipt requent drilling a hore of this subsection mand if availab	sted or hand delivery, give the izontal well: <i>Provided</i> , That nation as of the date the notice way be waived in writing by the le, facsimile number and electrons.	least ten days prior to filing a permit application, surface owner notice of its intent to enter upon the otice given pursuant to subsection (a), section te as provided to the surface owner: <i>Provided, how</i> surface owner. The notice, if required, shall include in mail address of the operator and the operator	ne surface owner's land for the purpose of in of this article satisfies the requirements ovever. That the notice requirements of this ude the name, address, telephone number,
	reby provided to the SURI		
· · · · · · · · · · · · · · · · · · ·	uzanne & James Evans 064 38th Street	Name:	
rudi ebb.	Parkersburg, WV 26104	Address:	
		drilling a horizontal well on the tract of land as fo	
State:	West Virginia Lewis	Easting:	541933.0 4329720.8
	West Virginia Lewis Freemans Creek	Facting	541933.0
State: County:	West Virginia Lewis Freemans Creek	UTM NAD 83 Easting: Northing:	541933.0 4329720.8
State: County: District:	West Virginia Lewis Freemans Creek	UTM NAD 83 Easting: Northing: Public Road Access:	541933.0 4329720.8 Mare Run Road/CR 10/9
State: County: District: Quadrangle: Watershed: This Notice Pursuant to facsimile nurelated to hor	West Virginia Lewis Freemans Creek Big-Iseac WV 7.5' Canden Middle West Fork Creek Shall Include: West Virginia Code § 22-6A- mber and electronic mail addr rizontal drilling may be obtain	UTM NAD 83 Easting: Northing: Public Road Access:	541933.0 4329720.8 Mare Run Road/CR 10/9 Evans ress, telephone number, and if available, and representative. Additional information f Environmental Protection headquarters,
State: County: District: Quadrangle: Watershed: This Notice Pursuant to facsimile nur related to hoo located at 60	West Virginia Lewis Freemans Creek Big-Iseac WV 7.5' Canden Middle West Fork Creek Shall Include: West Virginia Code § 22-6A- mber and electronic mail addr rizontal drilling may be obtain	UTM NAD 83 Easting: Northing: Public Road Access: Generally used farm name: 16(b), this notice shall include the name, address of the operator and the operator's authorized from the Secretary, at the WV Department of	541933.0 4329720.8 Mare Run Road/CR 10/9 Evans ress, telephone number, and if available, and representative. Additional information f Environmental Protection headquarters,
State: County: District: Quadrangle: Watershed: This Notice Pursuant to facsimile nur related to hos located at 60	West Virginia Lewis Freemans Creek Big Iseac WV 7.5' Canden Middle West Fork Creek Shall Include: West Virginia Code § 22-6A- mber and electronic mail addr rizontal drilling may be obtain 1 57th Street, SE, Charleston, W	UTM NAD 83 Easting: Northing: Public Road Access: Generally used farm name: 16(b), this notice shall include the name, address of the operator and the operator's authorized from the Secretary, at the WV Department of	4329720.8 Mare Run Road/CR 10/9 Evans ess, telephone number, and if available, ed representative. Additional information f Environmental Protection headquarters, ep.wv.gov/oil-and-gas/pages/default.aspx.
State: County: District: Quadrangle: Watershed: This Notice Pursuant to facsimile nur related to hos located at 60	West Virginia Lewis Freemans Creek Big-Iseac WV 7.5' Canden Middle West Fork Creek Shall Include: West Virginia Code § 22-6A- mber and electronic mail addr- rizontal drilling may be obtain 1 57th Street, SE, Charleston, Westerby given by:	UTM NAD 83 Easting: Northing: Public Road Access: Generally used farm name: 16(b), this notice shall include the name, address of the operator and the operator's authorized and the Secretary, at the WV Department of VV 25304 (304-926-0450) or by visiting www.de	4329720.8 Mare Run Road/CR 10/9 Evans ess, telephone number, and if available, ed representative. Additional information f Environmental Protection headquarters, ep.wv.gov/oil-and-gas/pages/default.aspx.
State: County: District: Quadrangle: Watershed: This Notice Pursuant to facsimile nurelated to hoo located at 60 Notice is he Well Operato	West Virginia Lewis Freemans Creek Big-Iseac WV 7.5' Canden Middle West Fork Creek Shall Include: West Virginia Code § 22-6A- mber and electronic mail addrizontal drilling may be obtain 157th Street, SE, Charleston, Westerby given by: In: HG Energy II Appalachia, LLC	UTM NAD 83 Easting: Northing: Public Road Access: Generally used farm name: 16(b), this notice shall include the name, address of the operator and the operator's authorized from the Secretary, at the WV Department of V 25304 (304-926-0450) or by visiting www.de	### Additional information for Environmental Protection headquarters, ep.wv.gov/oil-and-gas/pages/default.aspx.
State: County: District: Quadrangle: Watershed: This Notice Pursuant to facsimile nurelated to hoo located at 60 Notice is he Well Operato	West Virginia Lewis Freemans Creek Big Iseac WV 7.5' Canden Middle West Fork Creek Shall Include: West Virginia Code § 22-6A- mber and electronic mail addrizontal drilling may be obtain 1 57th Street, SE, Charleston, Westerby given by: In: HG Energy II Appalachia, LLC 5260 Dupont Road	UTM NAD 83 Easting: Northing: Public Road Access: Generally used farm name: 16(b), this notice shall include the name, address of the operator and the operator's authorized from the Secretary, at the WV Department of V 25304 (304-926-0450) or by visiting www.de	4329720.8 Mare Run Road/CR 10/9 Evans ess, telephone number, and if available, and representative. Additional information of Environmental Protection headquarters, ap.wv.gov/oil-and-gas/pages/default.aspx. Diane White 5260 Dupont Road
State: County: District: Quadrangle: Watershed: This Notice Pursuant to facsimile nun related to hoo located at 60 Notice is he Well Operato Address:	West Virginia Lewis Freemans Creek Big-Iseac WV 7.5' Canden Middle West Fork Creek Shall Include: West Virginia Code § 22-6A- mber and electronic mail addrizontal drilling may be obtain 1 57 th Street, SE, Charleston, Westerby given by: IT: HG Energy II Appalachia, LLC 5260 Dupont Road Parkersburg, WV 26101	UTM NAD 83 Easting: Northing: Public Road Access: Generally used farm name: 16(b), this notice shall include the name, address of the operator and the operator's authorized from the Secretary, at the WV Department of V 25304 (304-926-0450) or by visiting www.de Authorized Representative: Address:	### States States States ### States States States ### States States States States ### States States States States States ### States States States States States States ### States States States States States States States ### States States States States States States States ### States States
State: County: District: Quadrangle: Watershed: This Notice Pursuant to facsimile nun related to hos located at 60 Notice is he Well Operato Address: Telephone:	West Virginia Lewis Freemans Creek Big-Iseac WV 7.5' Canden Middle West Fork Creek Shall Include: West Virginia Code § 22-6A- mber and electronic mail addrizontal drilling may be obtain 1 57 th Street, SE, Charleston, Westerby given by: In: HG Energy II Appalachia, LLC 5260 Dupont Road Parkersburg, WV 26101 304-420-1119	UTM NAD 83 Easting: Northing: Public Road Access: Generally used farm name: 16(b), this notice shall include the name, address of the operator and the operator's authorized from the Secretary, at the WV Department of VV 25304 (304-926-0450) or by visiting www.de Authorized Representative: Address: Telephone:	day and if available, and if available, and representative. Additional information f Environmental Protection headquarters, ap.wv.gov/oil-and-gas/pages/default.aspx. Diane White 5260 Dupont Road Parkersburg, WV 26101 304-420-1119

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 depprivacyofficer@wv.gov.

WW-6A5 (1/12)

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

Date of N	Notice: 02/11/2021 Date I			1/2021	-
Delivery	method pursuant to West Virginia	Code §	22-6A-16(c)		
CE	RTIFIED MAIL	П	HAND		
	TURN RECEIPT REQUESTED	_	DELIVERY		
		esocia acsi			cation, an operator shall, by certified mail
return rec the plann required t drilling o damages (d) The n of notice.	reipt requested or hand delivery, give ed operation. The notice required to be provided by subsection (b), sec f a horizontal well; and (3) A prop- to the surface affected by oil and gas otices required by this section shall	e the surfa by this s tion ten do osed surfa operation be given	ace owner whose land ubsection shall inclu- of this article to a surf- ace use and compens as to the extent the date to the surface owner a	I will be used for de: (1) A copy ace owner whost action agreement amages are com-	or the drilling of a horizontal well notice of of this code section; (2) The information see land will be used in conjunction with the at containing an offer of compensation for pensable under article six-b of this chapter, sted in the records of the sheriff at the time
	dress listed in the records of the sher		time of notice):		
Name:	Suzanne & James Evans	/	Name:		
Name: Address: 	1064 38th Street Parkersburg, WV 26104 hereby given: to West Virginia Code § 22-6A-16(c		Addres	ne undersigned	well operator has developed a planned
Name:Address:	1064 38th Street Parkersburg, WV 26104 hereby given: to West Virginia Code § 22-6A-16(con the surface owner's land for the West Virginia		Addres	ne undersigned of the transport of the t	net of land as follows: 541933.0
Name:Address:	1064 38th Street Parkersburg, WV 26104 hereby given: to West Virginia Code § 22-6A-16(con the surface owner's land for the		Address is hereby given that the of drilling a horizonta UTM NAD 8	ne undersigned of the transport of the t	act of land as follows: 541933.0 4329720.8
Name:Address:	1064 38th Street Parkersburg, WV 26104 hereby given: to West Virginia Code § 22-6A-16(c on the surface owner's land for the West Virginia Lewis Freemans Creek		Address is hereby given that the foliation of drilling a horizonta UTM NAD 8	ne undersigned of the transition of the transiti	net of land as follows: 541933.0
Name: Address: Notice is Pursuant	hereby given: to West Virginia Code § 22-6A-16(con the surface owner's land for the West Virginia Lewis Freemans Creek Big Isaac WV 7.5'		Address is hereby given that the foliation of drilling a horizonta UTM NAD 8	ne undersigned of the transport of the t	act of land as follows: 541933.0 4329720.8 Mare Run Road./ CR 10/9
Name:Address:Address:	hereby given: to West Virginia Code § 22-6A-16(con the surface owner's land for the West Virginia Lewis Freemans Creek gle: Big Isaac WV 7.5' d: Middle West Fork Creek ice Shall Include: to West Virginia Code § 22-6A-16(covided by W. Va. Code § 22-6A-10(covided by Code § 22-6A-10(covided	c), this no (b) to a use and co the exter	is hereby given that the of drilling a horizonta UTM NAD 8 Public Road Generally use of the shall include: (1) surface owner whose ompensation agreement the damages are conined from the Secret	ne undersigned of well on the tra Easting: Northing: Access: ed farm name: A copy of this of land will be undersigned arm, at the WV	act of land as follows: 541933.0 4329720.8 Mare Run Road./ CR 10/9
Name:Address:Address:	hereby given: to West Virginia Code § 22-6A-16(con the surface owner's land for the West Virginia Lewis Freemans Creek Big Isaac WV 7.5' d: Middle West Fork Creek ice Shall Include: to West Virginia Code § 22-6A-16(covided by W. Va. Code § 22-6A-10(lovided by W. Va. Code § 22-6A-10 lovided by Oil and gas operations to on related to horizontal drilling matters, located at 601 57th Street, SE located at 601 57th Street, SE located lovides lovide	c), this no (b) to a use and co the exter	is hereby given that the of drilling a horizonta UTM NAD 8 Public Road Generally use of the shall include: (1) surface owner whose ompensation agreement the damages are conined from the Secret	ne undersigned of well on the tra Easting: Northing: Access: ed farm name: A copy of this of land will be undersigned arm, at the WV	tet of land as follows: 541933.0 4329720.8 Mare Run Road / CR 10/9 Evans code section; (2) The information required used in conjunction with the drilling of an offer of compensation for damages to the der article six-b of this chapter. Additional Department of Environmental Protection
Name:Address:Address:	hereby given: to West Virginia Code § 22-6A-16(con the surface owner's land for the West Virginia Lewis Freemans Creek Big Isaac WV 7.5' d: Middle West Fork Creek ice Shall Include: to West Virginia Code § 22-6A-16(con the west Virginia Code § 22-6A-16(con th	c), this no (b) to a use and co the exter	Address is hereby given that the of drilling a horizonta UTM NAD 8 Public Road Generally use of the shall include; (1) surface owner whose ompensation agreement the damages are conined from the Secret leston, WV 25304	ne undersigned of well on the tra Easting: Northing: Access: ed farm name: A copy of this of land will be understand arry, at the WV (304-926-0450)	act of land as follows: 541933.0 4329720.8 Mare Run Road./ CR 10/9 Evans code section; (2) The information required used in conjunction with the drilling of an offer of compensation for damages to the der article six-b of this chapter. Additional Department of Environmental Protection or by visiting www.dep.wv.gov/oil-and-

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 deprivacyofficer@wv.gov.

Office of Oil and Co.

FEB 2 4 2021



WEST VIRGINIA DEPARTMENT OF TRANSPORTATION Division of Highways

1900 Kanawha Boulevard East • Building Five • Room 110 Charleston, West Virginia 25305-0430 • (304) 558-3505

January 26, 2021

Byrd E. White, III Secretary of Transportation/ Commissioner of Highways

Jimmy Wriston, P. E.
Deputy Secretary/
Deputy Commissioner

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 Evans 1213 Pad, Lewis County Evans 1213 S-8H Well Site

Dear Mr. Martin,

This well site will be accessed from a DOH permit #07-2020-0314 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 0.38.

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.

Hary K. Clayton

Gary K. Clayton, P.E.

Regional Maintenance Engineer

Central Office O&G Coordinator

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Office of OH and Gran

FEB 2 4 2021

WV Department of Environmental Protection

Cc: Diane White HG Energy, LLC. CH, OM, D-7

File

HG Energy II Appalachia, LLC List of Frac Additives by Chemical Name and CAS # Evans 1213 Well Pad (N-1H to N-4H, S-5H to S-8H)

Chemical Name	CAS#	Multiple CAS #'s
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	- 41.00
PROGEL - 4.5	64742-96-7	
BIO CLEAR 2000	Mixture	25322-68-3
	_	10222-01-2
SCALE CLEAR SI 112	107-21-1	
PROBREAK 4	Mixture	57-50-1
		107-21-1
Sulfamic Acid	5329-14-6	
PRO - Flow - 102-N	Mixture	67-63-0
		68439-45-2
		2687-96-9
PROGEL - 4	9000-30-0	-

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Office of Oil and Gas

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PROGEL - 4.5	64742.06.7	
PROGEL - 4.5	64742-96-7	
BIO CLEAR 2000	Mixture	25322-68-3
BIO CLEAN 2000	IVIIXture	10222-01-2
	_	10222-01-2
SCALE CLEAR SI 112	107-21-1	
SOME CELOTICAL TELE	107 21 1	
PROBREAK 4	Mixture	57-50-1
	- IVIIXeure	107-21-1
Sulfamic Acid	5329-14-6	
PRO - Flow - 102-N	Mixture	67-63-0
		68439-45-2
		2687-96-9
PROGEL - 4	9000-30-0	

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CONSTRUCTION IMPROVEMENT PLANS WITH **EROSION AND SEDIMENT CONTROLS**

HG 1213 WELL PAD

SHT. NO.	SHEET TITLE		
1	TITLE SHEET		
2A-2D	SITE DEVELOPMENT PLANS		
3	WELL PAD SECTIONS		
4A-4B	ACCESS ROAD SECTIONS		
5A-5F	CONSTRUCTION NOTES & DETAILS		
6A-6C	RESTORATION PLAN		
7	PROPERTY MAP		

Prior to commencement of any earth disturbance activity including clearing and grubbing, the registrant shall call West Virginia 811 by dialing 811 or 1-800-245-4848 to identify all utility lines. The registrant also must clearly

boundaries, the limits of clearing, and trees that are to be conserved within the project site, and shall install

delineate sensitive areas, riparian forest buffer

appropriate barriers where equipment may not be parked, staged, operated or located for any purpose.

2. Site access - This is the first land-disturbance activity to take place at the site and should provide BMPs to minimize accelerated erosion and sedimentation from

the following areas: entrance to the site, construction

3. Sediment Barriers - Install perimeter BMPs after the construction site is accessed, keeping associated

clearing and grubbing limited to only that amount

5. Surface Stabilization - Apply temporary or permanent stabilization measures immediately to any disturbed areas where work has reached final grade, has been delayed or otherwise temporarily suspended. 5. Construction of Buildings, Utilities, and Paving - During construction, install and maintain any additional erosion and sediment control BMPs, and implement any structural post construction stormwater BMPs that may 7. Upon completion of pad grading, compact the pad to

grade and begin placement of pad soil cement. 8. Final Stabilization, Topsoiling, Trees and Shrubs - After construction is completed, install stabilization BMPs

including: permanent seeding, mulching and riprap, and complete implementation of stormwater BMPs in this last

construction phase. Stabilize all open areas, including

and stabilize any disturbances associated with the

borrow and spoil areas, and remove all temporary BMPs

at the site including parking, stockpiles.

required for installing perimeter BMPs. 4. Land Clearing and Grading - Implement clearing and grading only after all downslope E&S BMPs have been

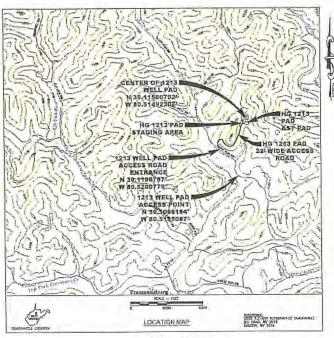
constructed and stabilized.

removal of the BMP.

routes, and areas designated for equipment or other use

CONSTRUCTION SEQUENCE

LEWIS COUNTY WEST VIRGINIA



PREPARED FOR HG ENERGY II APPALACHIA, LLC

5260 DUPONT ROAD

PENN ENVIRONMENTAL & REMEDIATION, INC.

111 RYAN COURT PITTSBURGH, PA 15205 (412) 722-1222

FREEMANS CREEK DISTRICT

PARKERSBURG, WEST VIRGINIA 26101 (304) 420-1100

PREPARED BY

st. Swell Facto mat Sin Palance

al Davelapment - Gravel Option

202

FEB

Depar

Extended Covel Quartitie					
	AST Pod Actors Hands	Staping Ara Fad	1213 Trol Fed	AST Pag	TOTAL
IT Sol Darren (Metry) 511	8,420	1,370	10,700	4 125	28,565
7 Dept of 1.5" Donelop Ray Store)	ECE	240	773	295	1,919
Estimated Pad Access Road & Filter Sock Langth (LF)					734
Estimated Well Part It Filter Sock Length (LF)			1310		
TOTAL Estimated & Compost Filter Sock Length (LF)				5044	
Estimated Part Agrassa Road Limit of Disturbance (Apres)				8,10	
Estimated 1213 Well, ABT & Steping Pads Limb of Disturbance (Acres)					5.26
TOTAL Estimated Limit of Disturbance (Acros)				14.38	
Well Part Peak Pre-Construction Elevation (FI)				1233,00	
Well Amb Subbase Elevation (Top of Soil Camant Subbase) (FI)				1227.30	
Well Asse Surface Elevation (FI)			1232.07		

5.390 5,782

WELL 6	LAT.	LONG.
H-1H	N 39.115635	W 80.515002
N-2H	N 39.115835	W 80.514949
HE-N	N 39,115034	W 80,514695
N-4H	N 39,115534	W 80.514844
5-5H	N 39,115566	W 80,515003
S-6H	N 39.115566	W 80,514950
5-7H	N 39.115556	W 80.514897
S-8H	N 39.115585	W 80.514844

WELL ELEVATIONS 1227.45

	LATTTUDE	LONGITUDE
1213 WELL PAD ACCESS POINT	N 39.1066184*	W 80.5165087
1213 WELL PAD ACCESS ROAD ENTRANCE	N 39.1106787	W 80.5200779

RECORD OWNER	RECORD LOT #	RECORD AREA OF LOT	AREA WITHIN LOD
SUZANNE LYNN & JAGES N. EVANS	21-03-0060-0004-0000	208.1376	14.340
MARE AUN ROAD D.R. 16/9	8/4	11/4	0.025
	CTHODANCE		14 36% A



TITLE SHEET

FREEMANS CREEK DISTRICT LEWIS COUNTY, WEST VIRGINIA

HG ENERGY II APPALACHIA, LLC PARKERSBURG, WEST VIRGINIA

DRAWN SWH 09/03/200 PROJECT No. 4000-PA00613

Dial 811 or

800,245,4848

Penn E&R PA008130-001

WEST VIRGINIA

YOU DIG!

