

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 N-3H 47-041-05719-00-00

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.

Operator's Well Number: EVANS 1213 N-3H

Farm Name: JAMES M. & SUZANNE L. EY

U.S. WELL NUMBER: 47-041-05719-00-00 Horizontal 6A New Drill

Date Issued: 5/3/2021

Promoting a healthy environment.

API Number:	

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.

WW-6B (04/15)

API NO. 47		
OPERATOR WELL	NO.	Evans 1213 N-3H
Well Pad Name:	Evans	1213

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

1) Well Operator: HG Energ	gy II Appalachia	49451 .	9932	Lewis	Freeman	Camden 7.5'
			tor ID	County	District	Quadrangle
2) Operator's Well Number:	Evans 1213 N-3	Н	Well Pad	Name: Evans	s 1213	
3) Farm Name/Surface Owne	r: James & Suzan	ne Evans I	Public Road	d Access: Ma	re Run Rd	at CR 10/9
4) Elevation, current ground:	1233'	Elevation,	proposed j	post-construction	on: 1227'	
5) Well Type (a) Gas X Other	Oil		Unde	rground Storag	ge	· · ·
` '	Shallow X Horizontal X		Deep			
6) Existing Pad: Yes or No	 No					
7) Proposed Target Formation Marcellus at 6709'/6791' and	• • • •	-		-	ressure(s):	
8) Proposed Total Vertical De	epth: 6760'					
9) Formation at Total Vertica	l Depth: Marce	ellus				
10) Proposed Total Measured	Depth: 21,90	8'				
11) Proposed Horizontal Leg	Length: 14,13	5'				
12) Approximate Fresh Water	r Strata Depths:	60', 13	86', 151', 2	00'		
13) Method to Determine Fre	sh Water Depths:	Nearest	offset wel	l data, (47-04	1-01847, 1	786, 1233)
14) Approximate Saltwater D	epths: None fou	ınd				
15) Approximate Coal Seam	Depths: 220', 445',	650',800', 805'	(Surface casir	ng is being extended	to cover the co	al in the DTI Storage Field)
16) Approximate Depth to Po	ssible Void (coal	mine, kars	t, other): 1	None	. , ,	
17) Does Proposed well locat directly overlying or adjacent			es	No	X	
(a) If Yes, provide Mine Inf	o: Name:					
-	Depth:					
	Seam:					
	Owner:					

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OPERATOR WELL NO. Evans 1213 N-3H

Well Pad Name: Evans 1213

18)

CASING AND TUBING PROGRAM

TYPE	Size (in)	New or Used	<u>Grade</u>	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	21908'	21908'	CTS
Tubing							
Liners			1				

B.S. 1-26-21

ТҮРЕ	Size (in)	Wellbore Diameter (in)	Wall Thickness (in)	Burst Pressure (psi)	Anticipated Max. Internal Pressure (psi)	Cement Type	<u>Cement</u> <u>Yield</u> (cu. ft./k)
Conductor	30"	30"	.500				Drilled In
Fresh Water/Coal	20"	26"	.438	2110	1200	Type 1, Class A	40 % excess yield = 1.20, CTS
Intermediate 1	13 3/8"	17 1/2"	.480	3450		Type 1/Class A	Lead 40% excess, Tail 0% excess
Intermediate 2	9 5/8"	12 1/4"	.395	3950		Type 1/Class A	Load 40% excess, Tail 0% Excess Les
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:		
Depths Set:		

Office of Oil and Gas

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WV Department of Environmental Protection

WW-61	В
(10/14)

API NO. 47	
OPERATOR WELL NO. Evans	1213 N-3H
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 14.135' lateral length, 21.908' 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:

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 -1.5.6 ppg PNE-1 + 3% bwoc CaCl, 40% Excess Yield =
Intermediate 1 - Lead: 1.5.4 ppg PNE-1 + 2.5% bwoc CaCl, 40% Excess / Ta
Intermediate 2 - Lead: 1.5.4 ppg PNE-1 + 2.5% bwoc CaCl, 40% Excess / Ta
Production - Lead: 1.5.4 ppg PNE-1 + 2.5% bwoc CaCl, 40% Excess, Ta

Reduction - Lead: 1.5.4 ppg PNE-1 + 0.3% bwoc RA 3 1 % bwoc ECl 1

25) Proposed borehole conditioning procedures:

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*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 Premium NE-1 is a	CAS # 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
remium NE-1	Portland Cement		772		
		Commonly called gel, it is	W. W. W.	%	CAS number
		a clay material used as a	Ingredient name	90 - 100	1302-78-9
		cement extender and to	bentonite Crystalline silica: Quartz (SIO2)	5 - 10	14808-60-7
		control excessive free water.			
entonite	Extender	Water			
		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			
lcium Chloride	Accelerator	of strength development			
icium chioride	Accelerator				
		Graded (3/8 to 3/4 inch)	Ingredient name	%	CAS number
		cellophane flakes used as a lost circulation material.	No hazardous ingredient		
llo Flake	Lost Circulation	a roat on condition materials			
	and the same para				
		FP-13L is a clear liquid			
		organic phosphate			
		antifoaming agent used in	The state of the s	1%	CAS number
		cementing operations. It	Ingredient name	90 - 100	126-73-8
		is very effective	Tributyl phosphate	30 - 100	
		minimizing air entrapment and			
		preventing foaming			
		tendencies of latex			
401	Form Brownton	systems.			
-13L	Foam Preventer		Particular States	1%	CAS number
		Used to retard cement	Ingradient name Sucrose	90 - 100	57-50-1
anulated Sugar	Retarder	returns at surface.	Dudiose	55 190	- Property
		A proprietary product			
		that provides expansive properties and improves			
		bonding at low to	Ingredient name	%	CAS number
		moderate	Calcium magnesium oxide	90 - 100	37247-91-9
		temperatures.		1	
-1		Multi-purpose polymer			
		additive used to control	Ingredient name	%	CAS number
		free fluid, fluid loss,	No hazardous Ingredient	- 1"	- a named
T.S. T.	A Real Property	rheology, and gas			
PA-170	Gas Migration	migration.			
		A synthetic pozzolan,			
		(primarily Silicon Dioxide).			
		When blended with cement, Pozzolan can be			-
		used to create	Ingredient name	%	CAS number
		lightweight cement	Crystalline silica: Quartz (SiQ2) Calcium oxide	5-10 1-5	14808-60-7 1305-78-8
		slurries used as either a	RECEIV	/ED	
		filler slurry or a sulfate resistant completion	Office of Oil	and Gas	
		cement.	EED a 9	2024	
oz (Fly Ash)	Base		FEB 2 2	2021	
		A low temperature	WENG CAN		
		retarder used in a wide	Ingredient name WW Depart Environmental	Protection	CAS number
		range of slurry	Organic acid salt	40 - 50	Trade secret.
		formulations to extend			100000000000000000000000000000000000000
3	Retarder	the slurry thickening time.			
	Notoraci				
			Ingredient name	%	CAS number
			2-Butoxyethanol Proprietary surfactant	20 - 30 10 - 20	111-76-2 Trade secret:
		Used to water wet casing	D-Glucopyranose, oligomeric, C10-16-alkyl glycosides	5-10	110615-47-9
		and formation to facilitate	Alkylarylsulfonate amine salt Polyoxyalkylenes	1 - 5 0.1 - 1	Trade secret.

L NERGY								of Oil and Gas 2 2 2021 Separtment of	1213 Marcellus Sha Lewis Co	ile Horizontal unty, WV							
							1-3H SH		14	205092.26N 17780	06.99E						
Ground Elevation 1227.6'						1213	N-3H LF	BO TE WAR	14	206207.27N 17798	40.19E						
Azn	n		340.52	9°		1213 N	1-3H BH		14	219529.57N 17751	32.59E						
WELLBORE I	DIAGRAM	HOLE	CASING	GEOLOGY	TOP	BASE	MUD	CEMENT	CENTRALIZERS	CONDITIONING	COMMENTS						
		30"	30" 157.5# LS	Conductor	0	120	AIR	N/A, Casing to be drilled in w/ Dual Rotary Rig	N/A	Ensure the hole is clean at TD.	Conductor casing = 0.5" v						
	×	100	20"	Fresh Water	0	214, 600, 861		15.6 ppg PNE-1 + 3% bwoc CaCl	Centralized every 3	Once casing is at setting depth, circulate a minimum	Surface casing = 0.438"						
×		26"	94# J-55	Kittaning Coal Fresh Water Protection	0	805 1100	AIR	40% Excess Yield=1.20 / CTS	joints to surface	of one hole volume with Fresh Water prior to pumping cement.	thickness Burst=2110 psi						
		ox s. vi	13-3/8" 68#	Little Lime Big Lime	1474 1524	1494 1594	AIR / KCL	Lead: 15.4 ppg PNE-1 + 2.5% bwoc CaCl 40% Excess / Tail: 15.9	joint	Once casing is at setting depth, Circulate and condition at TD. Circulate a minimum of one hole volume prior to pumping cement.	Intermediate casing = 0.480" wall thickness Burst=3450 psi						
x	×	X 17.5"	J-55 BTC	Injun / Gantz (Storage) Intermediate 1	1594 / 1866 0	1692 / 1926 2100	Salt Polymer	ppg PNE-1 + 2.5% bwoc CaCl zero% Excess, CTS									
1 X	x					Fifty / Thirty Foot	1978 / 2075	1998 / 2102		Lead: 15.4 ppg PNE-1 +		Once casing is at setting					
				Gordon Stray / Gordon	2120 / 2156	2154 / 2232	AIR / KCL	2.5% bwoc CaCl	Bow Spring on first 2	depth, Circulate and	Intermediate casing = 0.3						
		12,25"	9-5/8" 40# J-55 BTC	5th Sand	2369	2409	Salt	1 40% Excess / Tall: 15,9		condition mud at TD. Circulate a minimum of one	wall thickness						
x	x		0.000010	Bayard / Warren	2449 / 2771	2479 / 2796	Polymer	CaCl	surface	hole volume prior to	Burst=3950 psi						
				Intermediate 2	0	2900		zero% Excess. CTS		pumping cement.							
x	×	- T								Speechley	3076	3096	1477.3		Run 1 spiral centralizer		
100		8.75" Vertical		Balltown	3286	3346	AIR / 9.0ppg	5510005	every 5 joints from the								
		6.75 Vertical		Benson	4386	4411	SOBM	<u>Lead</u> : 14.5 ppg POZ:PNE-1 + 0.3%	top of the curve to surface.								
		-		Rhinestreet	6009	6279		bwoc R3 + 1% bwoc EC1 + 0.75 gal/sk		Once on bottom/TD with							
				Cashaqua	6279	6379		FP13L + 0.3% bwoc MPA170		casing, circulate at max allowable pump rate for at	Droduction agains = 0.4						
			5-1/2"	Middlesex	6379	6411	Q.,	Tail: 14.8 ppg PNE-1 +		least 2x bottoms up, or until	Production casing = 0.415" wall thickness						
×	^	8.5" Curve	23# P-110 HP	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 centralize						
110	9.0	0.5 Cuive	CDC HTQ	Burkett	6482	6492	SOBM	bwoc ASCA1 + 0.5%	Run 1 spiral centralizer	is clean. Circulate a	schedules may be chan						
				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	1st 5.5" long joint to the top of the curve.	cement.							
	1.8			Marcellus	6709	6791		Tail Yield=1.94 CTS									
		8.5" Lateral		TMD / TVD (Production)	21908	6760	11,5ppg- 12,5ppg	,510									
×	x			Onondaga	6791		SOBM										
75	25	X	X		X		X	X	X :	X	X						

X

X

X

X

X=centralizers

Х

X X

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	
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
1 VO - 1 IOM - TOT-14	IVIIALUIE	68439-45-2
		2687-96-9
PROGEL - 4	9000-30-0	
FRUGEL - 4	3000-30-0	

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API Number 47 - 04 - 05719 Operator's Well No. Evans 1213 N-3H

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 Code 494501907
Watershed (HUC 10) Middle West Fork Creek	Quadrangle Camden 7.5'
Do you anticipate using more than 5,000 bbls of water to co Will a pit be used? Yes No	
If so, please describe anticipated pit waste: NA	No ✓ If so, what ml.?
Will a synthetic liner be used in the pit? Yes	
Proposed Disposal Method For Treated Pit Wastes	
Land Application Underground Injection (UIC Pe	emit Number
Reuse (at API Number TBD-Atm	
Off Site Disposal (Supply form 'Other (Explain_	
Will closed loop system be used? If so, describe: Yes, cuttings.	and fluids will be collected in a closed loop system, re-used or hauled to an approved disposal site or landfill.
Drilling medium anticipated for this well (vertical and horiz	zontal)? Air, freshwater, oil based, etc. Verlical - Air, Air/KCL, Air/SOBM. Horizontal - SOBM
-If oil based, what type? Synthetic, petroleum, etc.	Synthetic
Additives to be used in drilling medium? Water, Soap, KCl,	Barite, Base Oil, Wetting Agents
Drill cuttings disposal method? Leave in pit, landfill, remove	ved offsite, etc. Approved Landfill
-If left in pit and plan to solidify what medium will	
-Landfill or offsite name/permit number? See Attac	
	nd Gas of any load of drill cuttings or associated waste rejected at any
	ided within 24 hours of rejection and the permittee shall also disclose
on August 1, 2005, by the Office of Oil and Gas of the Wes provisions of the permit are enforceable by law. Violation law or regulation can lead to enforcement action. I certify under penalty of law that I have person application form and all attachments thereto and that, b	
Company Official Signature Deane Wh	ite FEB 2 2 2021
Company Official (Typed Name) Diane White	WV Department of Environmental Protectio
Company Official Title Agent	
	1 October , 20 20 B.S. 10-22-3
Cass. of Boron	Notary Public OFFICIAL SEAL
My commission expires 7/31/2022	STATE OF WEST VIRGINIA NOTARY PUBLIC CAS NIC ADPAINAM
	5301 131 Ale Wehrla W 26 My Commission Expires July 31

roposed Revegetation Treatm	ent: Acres Disturbed14	4.36 Prevegetation pF	
Lime	3 Tons/acre or to correct	to pH 6.5	
Fertilizer type 10-2	20-20	_	
Fertilizer amount	500	lbs/acre	
Mulch_ Hay	2	Tons/acre	
		Seed Mixtures	
Tem	porary	Perma	nent
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, pit a rovided). If water from the pi creage, of the land application	and proposed area for land t will be land applied, incl n area.	application (unless engineered plans included dimensions (L x W x D) of the pit, and	ding this info have been dimensions (L x W), and
Attach: Maps(s) of road, location, pit a provided). If water from the picreage, of the land application Photocopied section of involve Plan Approved by: Plan Approved by: Comments: Pre-seed/r	and proposed area for land t will be land applied, inclinarea. ed 7.5' topographic sheet. Sulfar Sulfar as soon as	application (unless engineered plans included dimensions (L x W x D) of the pit, and	I dimensions (L x W), and
Attach: Maps(s) of road, location, pit a provided). If water from the pit acreage, of the land application Photocopied section of involve Plan Approved by:	and proposed area for land t will be land applied, inclinarea. ed 7.5' topographic sheet. Sulfar Sulfar as soon as	application (unless engineered plans included dimensions (L x W x D) of the pit, and	regulation.
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Attach: Maps(s) of road, location, pit a provided). If water from the picreage, of the land application Photocopied section of involve Plan Approved by: Plan Approved by: Comments: Pre-seed/r	and proposed area for land twill be land applied, inclinarea. Ed 7.5' topographic sheet. Sully Sully and as soon as eeded per WV D	application (unless engineered plans included dimensions (L x W x D) of the pit, and	regulation. RE Office of FEB Environme

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 Belie 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 # 100172 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

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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 304-455-3800

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

Energy Salutions Services, Inc. Permit # R-73006-L24 1560 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 43950

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 618 Crabappie Road P.O. Bos Wind Ridge, PA 15380 RECEIVED Office of Oil and Gas

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

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

Kemble 1-D Well Permit # 8780 7675 East Pike Norwich, Oh 48767 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 # 84-119-2-8776-000 300 Cherrington Pkwy, Suite 200 Coraopolis, PA 15108 412-329-7275

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. any, LLC 1000 Consol Energy Drive Permit # 34-013-2-0609-00-00 Permit # 34-013-2-0614-00-00 304-323-6568

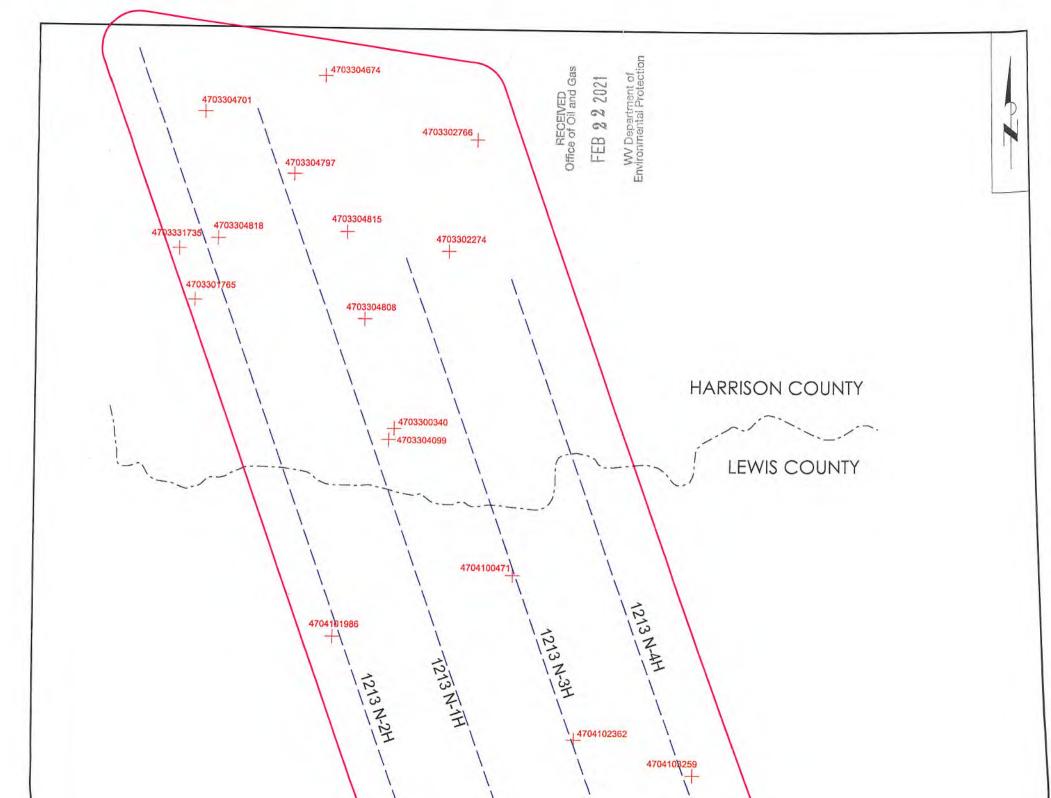
US Steele 11385 Permit # 47-001-00561 200 Evergreen Drive Waynesburg, PA 15730 304-323-6568

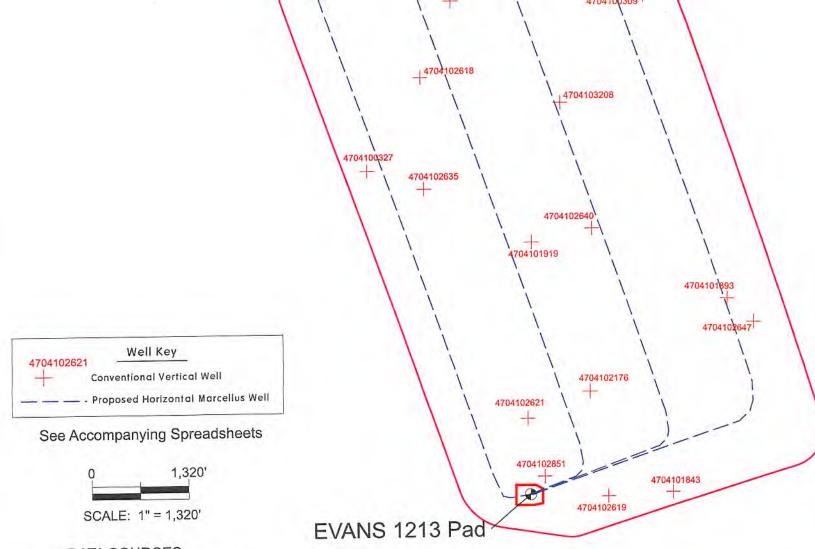
Chapin #7 UIC (SWIW #7)
Permit # 34-083-2-4197-00-00
Elkhead Gas& Oil Company
12163 Marne Rd. NE
Newark, OH 43055
740-763-3966

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Office of Oil and Gas

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WW Department of Environmental Protection





DATA SOURCES WVGES Data Set - 2017; WVDEP Website

Area of Review for:

EVANS 1213 NORTH UNIT

Proposed 1213 N-1H Pr Proposed 1213 N-3H Pr

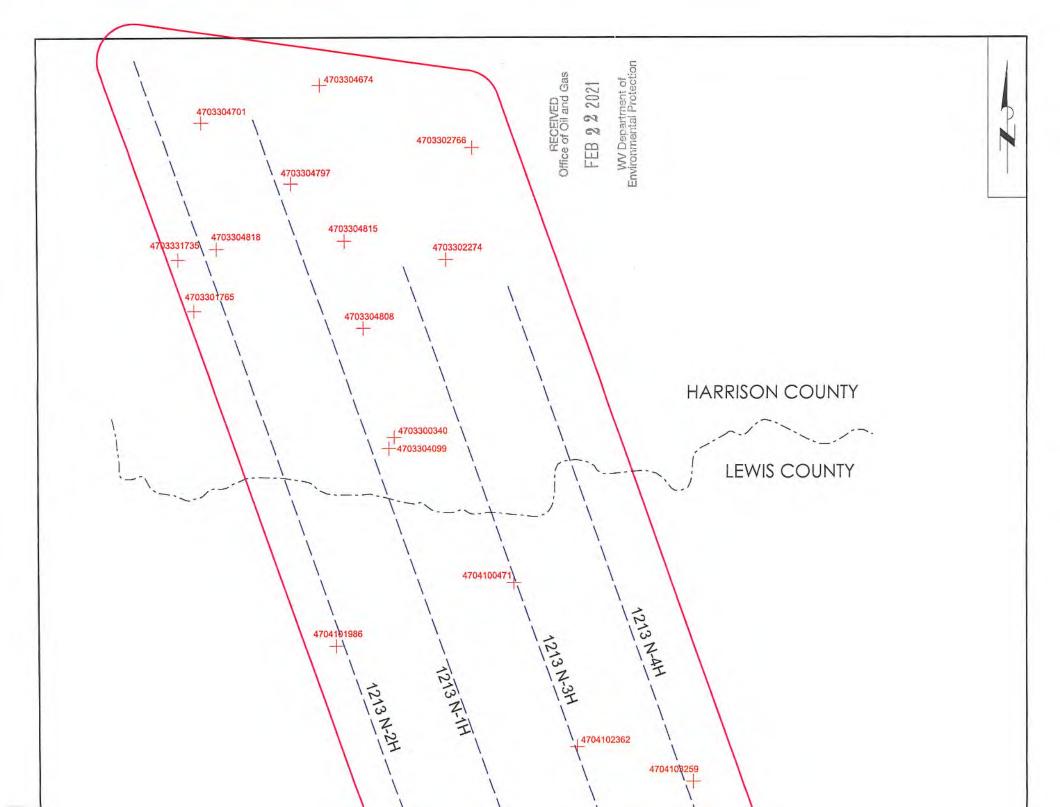
Proposed 1213 N-2H

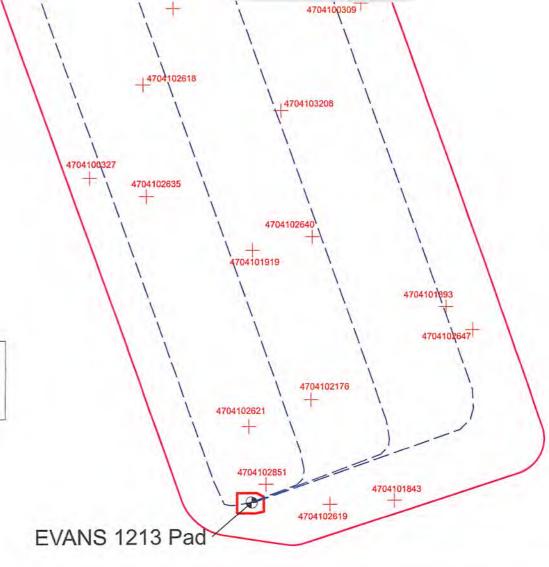
Proposed 1213 N-4H

HG ENERGY, II APPALACHIA, LLC 5260 DuPont Road, Parkersburg, WV 26101



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







See Accompanying Spreadsheets



DATA SOURCES WVGES Data Set - 2017; WVDEP Website

Area of Review for:

EVANS 1213 NORTH UNIT

Proposed 1213 N-1H Proposed 1213 N-2H Proposed 1213 N-3H Proposed 1213 N-4H

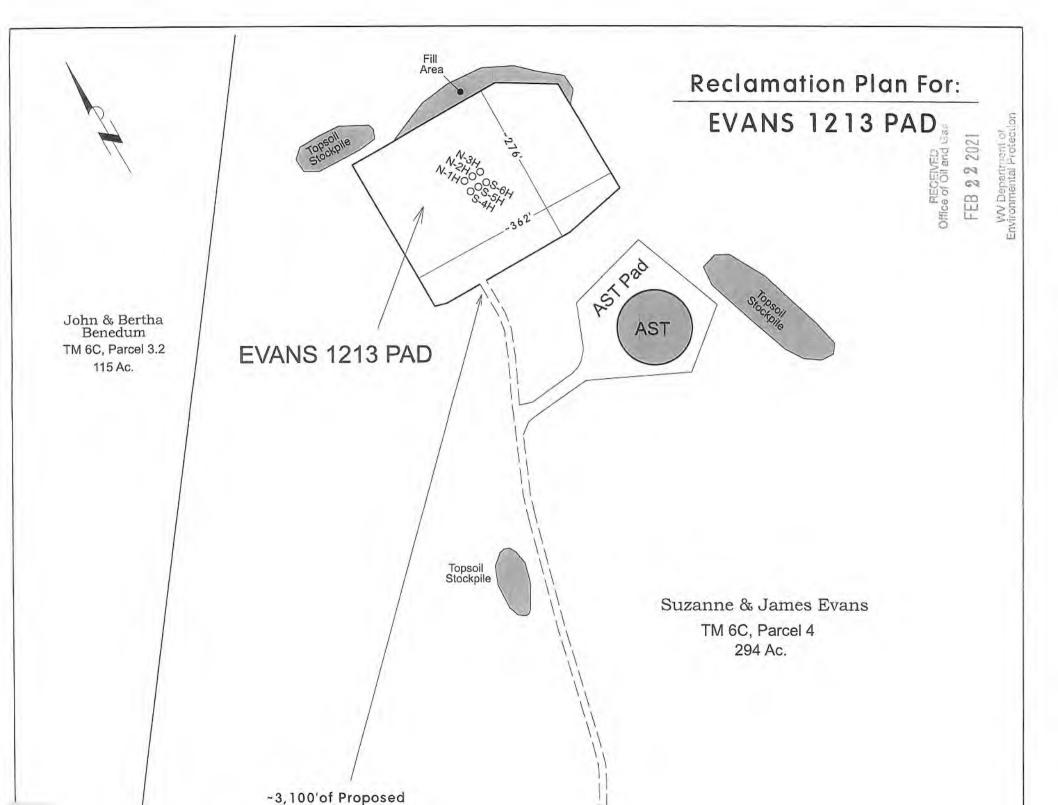
Freeman's Creek District, Lewis County, W.Va. & Union District, Harrison County, W.Va.

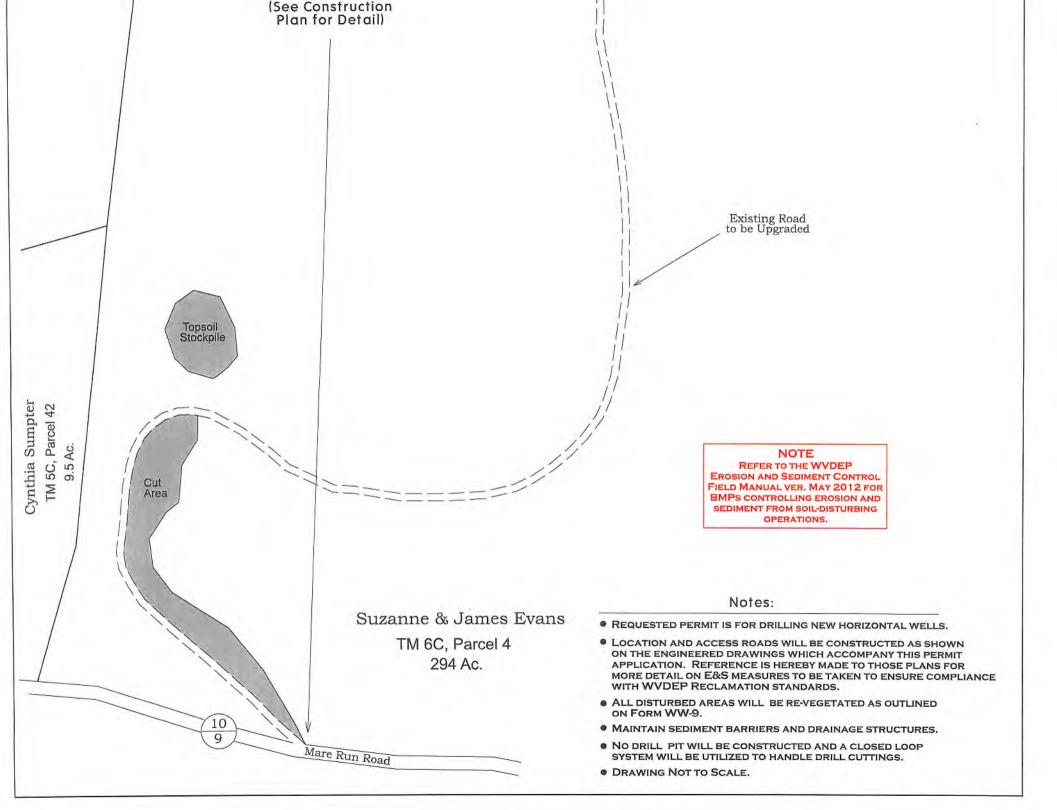
HG ENERGY, II APPALACHIA, LLC

5260 DuPont Road, Parkersburg, WV 26101



10/23/2020





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	- 8-1	ABANDONED	39.071500	-80.485059
8	4704100495	Lewis	S H Bailey 1	David Bowyer 2 2	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
10	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	Benson	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

15.71		- 3000	- Land Carlo March 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	12 00 110101 100 100 100 100 100 100 100	VELLOW DENOTE	S WELL WITH TVD > 4.500	100000000000000000000000000000000000000	1111111111	NOTES SURVEYED	25.5.33246
67	4704105560	Lewis	National Timber Partners WV 2	Alliance Petroleum Co. LLC	Greenland Gap Fm	Gas	3518	ACTIVE	39.104323	-80.510122
66	4704105519	Lewis	James H Hall Trust	Dominion Energy Transmission, Inc.	Greenland Gap Fm	Gas	4410	ACTIVE	39.100372	-80.507320
65	4704105209	Lewis	Charles F Sumpter	Alliance Petroleum Co. LLC	Misc Sands-BNSN/BRLR	Gas	4450	ACTIVE	39.075239	-80.488492
64	4704105208	Lewis	David Stanley McNemar	Alliance Petroleum Co. LLC	Misc Sands-BNSN/BRLR	Gas	4460	ACTIVE	39.073723	-80.498048
63	4704105077	Lewis	James R Myers	Alliance Petroleum Co. LLC	Alexander	Gas	4411	ACTIVE	39.087557	-80.505577
62	4704104807	Lewis	James R Myers	Alliance Petroleum Co. LLC	Greenland Gap Fm	Gas	4278	ACTIVE	39.092589	-80,499236
61	4704104502	Lewis	Scott A Carpenter	Dominion Energy Transmission, Inc.	Greenland Gap Fm	Gas	4520	ACTIVE	39.099886	-80,49826
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 Gəs 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	1 - 12 - 1	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	1-1-1	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
48	4704102366	Lewis	A Gaston	Dominion Energy Transmission, Inc.	not available	Gas	3-1	ACTIVE	39.107701	-80.49982
47	4704102365	Lewis	Abram Gaston	Dominion Energy Transmission, Inc.	Hampshire Grp	Gas	1868	PLUGGED	39.102759	-80.5022
46	4704102351	Lewis	T Hudkins	Alliance Petroleum Co. LLC	not available	Gas		ACTIVE	39.07661	-80.5000
45	4704102338	Lewis	J Norris	Alliance Petroleum Co. LLC	not available	not available	(-)	ACTIVE	39.095558	-80.49664
44	4704102334	Lewis	M Hall	Dominion Energy Transmission, Inc.	Hampshire Grp	Gas	2318	ACTIVE	39.100322	-80.51047
43	4704102333	Lewis	L'E Gall	Dominion Energy Transmission, Inc.	Hampshire Grp Hampshire Grp	Gas	2281	ACTIVE ACTIVE	39.109317 39.107746	-80.50856 -80.51047
42	4704102323	Lewis	Frank McKinley L Gall	Dominion Energy Transmission, Inc.	Hampshire Grp	Storage	2355	ACTIVE	39.095653	-80.50335
40 41	4704102307	Lewis Lewis	Suzanne Lynn Evans	Dominion Energy Transmission, Inc. Alliance Petroleum Co. LLC	not available	Gas	2153	PLUGGED	39.110100	-80.51056
39	4704102159	Lewis	W Reger		Benson	Gas	4203	ACTIVE	39.070669	-80.49493
38	4704102153 4704102159	Lewis	Cassie G Smith 2	Greylock Conventional, LLC	Benson	Gas	4289	ACTIVE	39.072344	-80.48350
37	4704102055	Lewis	Abram Gaston	Alliance Petroleum Co. LLC	3.5	Gas	4125 4403	ACTIVE	39.108099	-80.49790
36	4704101976	Lewis	Judson Bailey 3	Clem Energy LLC	Benson	Gas	4381	ACTIVE	39.068988	-80.48860
35	4704101944	Lewis	Judson Bailey 2	Clem Energy LLC	Benson	Gas	4232	ACTIVE	39.072344	-80.48350
14	4704101872	Lewis	J W Norris	Alliance Petroleum Co. LLC	Oriskany	Gas	7425	ACTIVE	39.092249	-80.4941

ON Q Drive 2/22/21

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

Office of Oil and Gas

FEB 2 2 2021

WV Department of Environmental Protection

HG ENERGY II APPALACHIA, LLC

SCHOOL BUS BLACKOUT TIMES

WEST VIRGINIA:

MARSHALL AND OHIO COUNTY

DALLAS PIKE / NUMBER 2 RIDGE AREA (SHL, WEB)

6:00 AM to 8:30 AM Monday, Tuesday, Thursday, Friday

7:00 AM to 9:30 AM Wednesday

3:00 PM to 5:00 PM M-F

ROUND BOTTOM HILL / LINDSAY LANE / ROBERTS RIDGE / TAYLORS RIDGE /KANSAS RIDGE (MND 1,3,9, 20 & 99v)

6:30 AM to 8:00 AM Monday, Tuesday, Thursday, Friday

7:30 AM to 9:00 AM Wednesday

3:00 PM to 5:00 PM M-F

Fish Creek Road to MND 6

7:00 AM to 7:30 AM Monday, Tuesday, Thursday, Friday

8:00 AM to 8:30 AM Wednesday

3:30 PM to 4:00 PM M-F

IRISH RIDGE ROAD FROM INTERSECTION WITH US 250 TO SHL 27 PAD

7:00 AM to 7:30 AM Monday, Tuesday, Thursday, Friday

8:00 AM to 8:30 AM Wednesday

4:00 PM to 4:30 PM M-F

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WV Department of Environmental Protection

05/07/2021

HARRISON COUNTY AND LEWIS COUNTY

KST5,1209, 1210, AND 1211

TWO LICK ROAD (CR-19/18), GOOSEMAN RUN ROAD (CR-35), KINCHELOE RD (CR-1), JACKSON MILL RD (CR-12), and HOLLICK RUN ROAD (1/1)

7:00 AM to 8:30 AM M-F

2:30 PM to 4:00 PM M-F

1207 AND 1208

HIDDEN VALLEY ROAD (CR-19/20) - 1207 and 1208

7:30 AM to 8:30 AM M-F

2:30 PM to 3:30 PM M-F

1205 and 1206 PAD AND 1206-1207 PIPELINE

HARRISON COUNTY – LOST CREEK ROAD (CR-25), LONG RUN ROAD (CR-27/2), AND DUCK CREEK ROAD (CR-25/6). LEWIS COUNTY – MCWHORTER RD (CR-3)

7:15 AM - 8:00 AM M-F

1:30 PM - 3:00 PM M-F

1212 Pad and 1211-1213 PIPELINE

LEWIS COUNTY - (CR 12) Jackson Mill Rd, (CR 1) Old Mill Rd, (CR 10) Valley Chapel Rd

6:00 AM - 7:30 AM M-F

1:30 PM - 3:00 PM M-F

RECEIVED
Office of Oil and Gas

FEB 2 2 2021

WV Department of Environmental Protection

PENNSYLVANIA:

WASHINGTON COUNTY

WFN 10 From Rt. 21 at Graysville (Ackley Creek Road, West Finely Road)

NOTE: NO CURFEW ON RT 21, BUT BUSES DO TRAVEL THIS ROUTE AND MAKE STOPS. INFORM DRIVERS TO USE CAUTION.

6:30 am to 7:30 am M-F

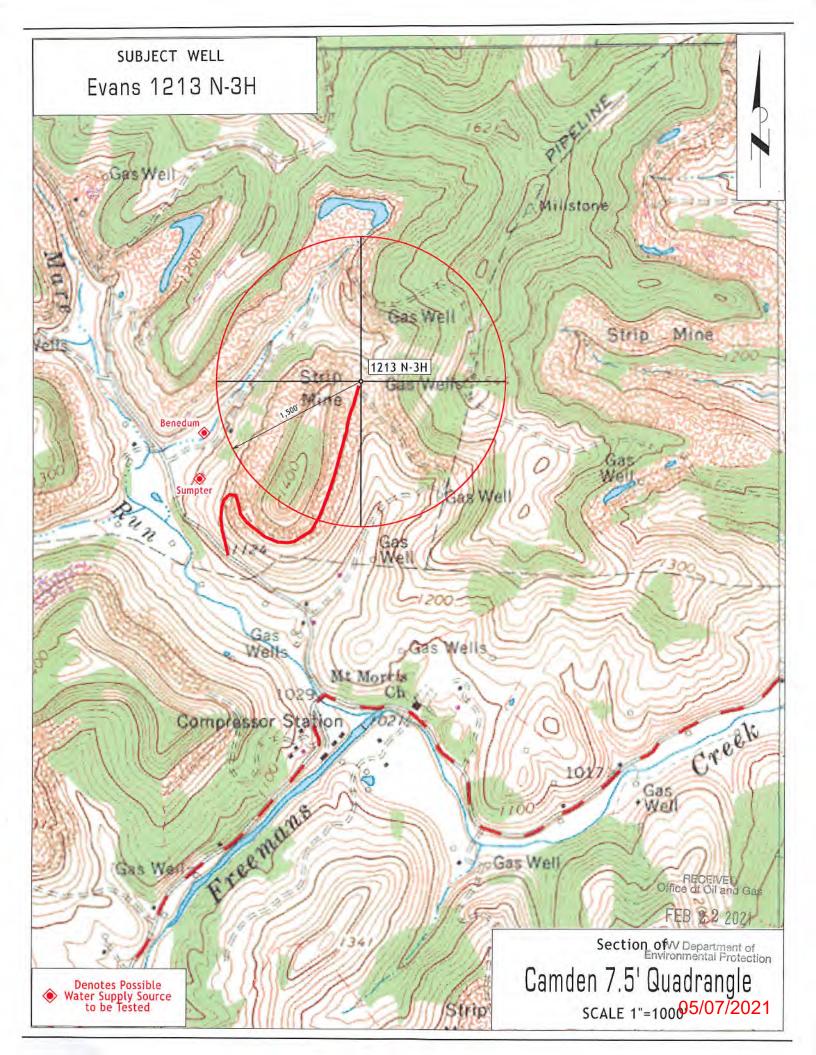
3:30 pm to 4:30 pm M-F

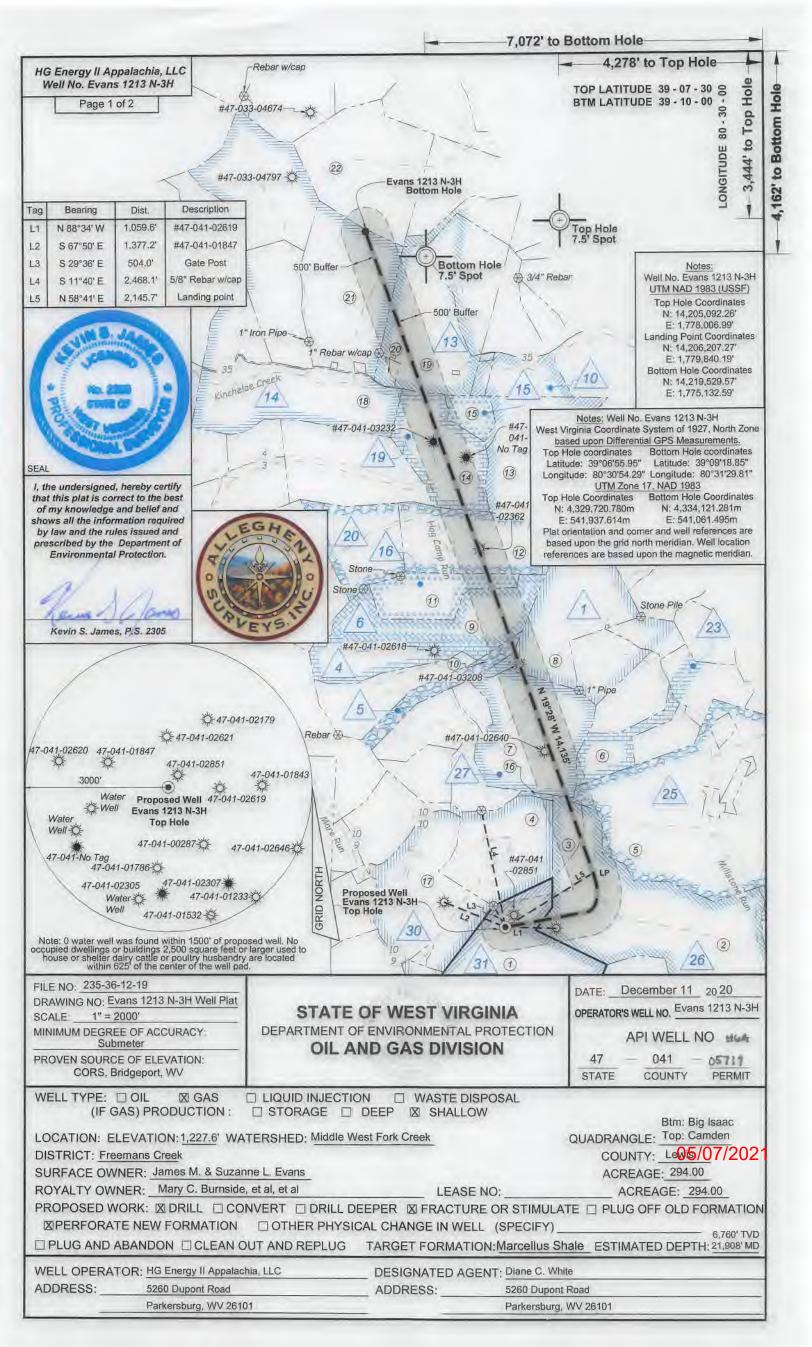
WFN 1, 3, 4, 5, 6

6:00 am to 8:30 am M-F

3:00 pm to 5:00 pm M-F

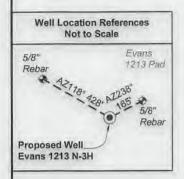






Page 2 of 2





	iii leau L	ayout (N	10)	
Evans 1213 N-1H (API# 47-041-05708)	Evans 1213 N-2H	Proposed Well Evans 1213 N-3H	Evans 1213 N-4H	
\$ 1		°58' E O.C.	9	S 00°03' W 25'
Evans 1213 S-5H	Evans 1213 S-6H	Evans 1213 S-7H	Evans 1213 S-8H	

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

FILE NO: 235-36-12-19
DRAWING NO: Evans 1213 N-3H Well Plat
SCALE: 1" = 2000'
MINIMUM DEGREE OF ACCURACY:

Parkersburg, WV 26101

Submeter
PROVEN SOURCE OF ELEVATION:
CORS, Bridgeport, WV

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

ID	Lease
1	Carrie Dillin, et al
4	Ira L. Queen, et al
5	Will E. Morris, et al
6	Clara Queen, et vir, et al
10	W.H. Coffindaffer, et al
13	Robert T. Paugh, et al
14	Oma G. Hall, et al
15	E. Maxine Moffett, et al
16	Flodia B. Smith, et al
19	Robert J. Paugh, et al
20	W.T. Highland, et al
23	A.H. Reed, et al
25	Edwin Gaston, et al
26	J.S. Noms
27	Stephen Queen, et al
30	J.S. Hall, et ux
31	Mary C. Burnside, et al

		Levis Co I lectiful Cicon Dist.		
No.	TM / Par	Owner	Bk/Pg	Ac.
1	6C/4	Suzanne L. & James M. Evans, III	657 / 228	294.00
2	6C / 21	Clarence C. Thacker, et al	445 / 493	166.25
3	6C/2	Phillip E. Burnside, et al	666 / 38	17.00
4	6C/3	Phillip E. Burnside, et al	666 / 38	87.20
5	6C / 22	Mann Family Trust	617 / 608	265.19
6	6B / 11	Edward E. Garrett, et al	429 / 245	30.00
7	6B / 10	Michael Terrel Moss, et al	340 / 693	112.00
8	6B / 18	Berlin Family Irrevocable Trust	743 / 893	100.00
9	6B / 5	James C. Garrett, et al	621 / 578	136.00
10	6B / 6	James C. Garrett, et al	621 / 578	30.00
11	5B / 41	Michael J. Kirwan, III	720 / 812	51.00
12	6B / 4	Edward Earl Garrett, et al	429 / 245	92.50
13	6B/3	Eric & Kathy Beevers	509 / 197	99.00
14	6B/2	Edward & Theresa M. Paugh (L/E)	746 / 831	78.25
15	6B / 1	Edward & Theresa M. Paugh (L/E)	746 / 828	17.00
16	5C / 47	James C. Garrett, et al	621 / 578	1.50
17	6C / 3.2	John K. Burnside & Bertha F. Benedum	666 / 44	115.00
		Harrison Co Union-Outside Dist.		
No.	TM / Par	Owner	Bk / Pg	Ac.
18	442 / 8.3	William Coffindaffer, et ux (LE)	1585 / 819	114.79
19	442/9	Edward R. & Theresa M. Paugh	1419 / 648	90.49
20	442 / 9.2	John R. & Jennifer L. Paugh	1365 / 585	5.59
21	442/8	Mark J. Coffindaffer, et al	W160 / 415	119.78
22	422 / 33	Mark J. Coffindaffer, et al	W160 / 415	125.70

Parkersburg, WV 26101

DATE: December 11 2020

OPERATOR'S WELL NO. Evans 1213 N-3H

041

API WELL NO HUM

05719

Lewis Co. - Freeman Creek Dist

COUNTY STATE PERMIT WELL TYPE: □ OIL ☐ LIQUID INJECTION ☐ WASTE DISPOSAL X GAS (IF GAS) PRODUCTION: ☐ STORAGE ☐ DEEP ☒ SHALLOW Btm: Big Isaac QUADRANGLE: Top: Camden LOCATION: ELEVATION: 1,227.6' WATERSHED: Middle West Fork Creek COUNTY: LeQ5/07/202 DISTRICT: Freemans Creek ACREAGE: 294.00 SURFACE OWNER: James M. & Suzanne L. Evans ROYALTY OWNER: Mary C. Burnside, et al, et al ACREAGE: 294.00 LEASE NO: PROPOSED WORK: ☑ DRILL ☐ CONVERT ☐ DRILL DEEPER ☒ FRACTURE OR STIMULATE ☐ PLUG OFF OLD FORMATION ☑PERFORATE NEW FORMATION ☐ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) □ PLUG AND ABANDON □ CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH; 21,908' MD WELL OPERATOR: HG Energy II Appalachia, LLC DESIGNATED AGENT: Diane C. White ADDRESS: 5260 Dupont Road 5260 Dupont Road ADDRESS:

WW-6A1 (5/13)

Operator's Well No. Evans 1213 N-3H

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

RECEIVED Office of Oil and Gas

FEB 2 2 2021

WV Department of Environmental Protection

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

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

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

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

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

Page 1 of

HG Energy II Appalachia, I	IIC - Fvans 1213	N-3H Lease Chains
ITO LITERY II Appaiacilla, I	PPC - PAGIN 1513	14 JII ECUSE CHUINS

				HG Energy II Appalachia, LLC - Evans 1213 N-3H Lease Chains	CEIVED Oil and Gas 2 2021 Rattment of ntal Protection			
1213N Tract	LEGACY LEASE NUMBER	TAX MAP	LEASE NUMBER	GRANTOR/LESSOR	GRANTEE DESSEE	ROYALTY	DEED BOOK	PAGE
				MARY C. BURNSIDE AND JOHN L. BURNSIDE, HER HUSBAND	A. W. WOODFORD AND GEO. E. MCGUIRE	NOT LESS THAN 1/8	33	431
	1			GEO. E. MCGUIRE	A. W. WOODFORD	ASSIGNMENT	Unrecorded	Unrecorded
Ì	1			A. W. WOODFORD	J. M. GUFFEY AND J. H. GALEY	ASSIGNMENT	33	515
1	1			J. M. GUFFEY AND J. H. GALEY	THE PHILADELPHIA COMPANY OF WEST VIRGINIA	ASSIGNMENT	44	583
				THE PHILADELPHIA COMPANY OF WEST VIRGINIA	THE PITTSBURGH AND WEST VIRGINIA GAS COMPANY THE PITTSBURGH AND WEST VIRGINIA GAS COMPANY	ASSIGNMENT	125	379
1	Ì			THE PHILADELPHIA COMPANY OF WEST VIRGINIA THE PITTSBURGH AND WEST VIRGINIA GAS COMPANY	EQUITABLE GAS COMPANY	DEED DEED	125	371
				EQUITABLE GAS COMPANY AND PHILADELPHIA OIL COMPANY	HOPE NATURAL GAS COMPANY	ASSIGNMENT	216 246	185 192
				HOPE NATURAL GAS COMPANY	CONSOLIDATED GAS SUPPLY CORPORATION	CONFIRMATORY DEED	294	89
				CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS TRANSMISSION CORPORATION	ASSIGNMENT	425	127
l			Q100759000	CONSOLIDATED GAS TRANSMISSION CORPORATION	CNG TRANSMISSION CORPORATION	MERGER/NAME CHANGE	WVSOS	127
21	FK052229	03-005C-0043-0000	053436	CNG TRANSMISSION CORPORATION	DOMINION TRANSMISSION, INC.	MERGER/NAME CHANGE	wvsos	
31	PROJEZZE	03-006C-0004-0000	053307	DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	MEMORANDUM OF FARMOUT AGREEMENT	672	154
	i l			CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	LIMITED PARTIAL ASSIGNMENT (50%)	684	57
	į			DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC AND NOBLE ENERGY, INC.	PARTIAL ASSIGNMENT (32%)	712	848
				CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	ASSIGNMENT	717	1
				NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	722	170
	1			DOMINION TRANSMISSION, INC.	DOMINION ENERGY TRANSMISSION, INC.	MERGER/NAME CHANGE	WVSOS	
ì						SECOND AMENDMENT TO MEMORANDUM OF		
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	FARMOUT AGREEMENT	723	499
				The state of the s	LIC TAITDCVII ADDALACIIIA LLC	THIRD AMENDMENT TO MEMORANDUM OF		
				DOMINION ENERGY TRANSMISSION, INC. DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC HG ENERGY II APPALACHIA, LLC	FARMOUT AGREEMENT ASSIGNMENT (68%)	734	558
					SOUTH PENN OIL COMPANY		736	220
	1		1	J. S. NORRIS SOUTH PENN OIL COMPANY	HOPE NATURAL GAS COMPANY	NOT LESS THAN 1/8 ASSIGNMENT	42 85	121
				HOPE NATURAL GAS COMPANY	RESERVE GAS COMPANY	ASSIGNMENT	79	122 370
			000 Q100767000	RESERVE GAS COMPANY	HOPE NATURAL GAS COMPANY	CONFIRMATORY DEED	155	202
				HOPE NATURAL GAS COMPANY	CONSOLIDATED GAS SUPPLY CORPORATION	CONFIRMATORY DEED	294	89
1				CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS TRANSMISSION CORPORATION	ASSIGNMENT	425	127
ì	FK053129	03-006C-0021-0000 03-006C-0002-0000 03-006C-0019-0000		CONSOLIDATED GAS TRANSMISSION CORPORATION	CNG TRANSMISSION CORPORATION	MERGER/NAME CHANGE	wvsos	127
				CNG TRANSMISSION CORPORATION	DOMINION TRANSMISSION, INC.	MERGER/NAME CHANGE	WVSOS	
				DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	MEMORANDUM OF FARMOUT AGREEMENT	672	154
Ì				CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	LIMITED PARTIAL ASSIGNMENT (50%)	684	57
26				DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC AND NOBLE ENERGY, INC.	PARTIAL ASSIGNMENT (32%)	712	848
				CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	ASSIGNMENT	717	1
				NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	722	139
				NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	722	170
				DOMINON TRANSMISSION, INC.	DOMINION ENERGY TRANSMISSION, INC.	MERGER/NAME CHANGE	wvsos	
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	AMENDED AND RESTATED PARTIAL ASSIGNMENT	723	527
				BOMINION ENERGY HAVINGSHOW, INC.	THE ETIZATOR HAND TOTAL YEAR	SECOND AMENDMENT TO MEMORANDUM OF	723	327
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	FARMOUT AGREEMENT	723	499
						THIRD AMENDMENT TO MEMORANDUM OF	,23	755
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	FARMOUT AGREEMENT	734	558
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT (68%)	736	220
				EDWIN GASTON AND LAURA L. GASTON, HUSBAND; CLARK GASTON				
				AND IDA GASTON, HIS WIFE; W. GASTON AND SUSAN GASTON, HIS				l
Ì				WIFE; I. V. GASTON	RESERVE GAS COMPANY	NOT LESS THAN 1/8	71	318
l l				RESERVE GAS COMPANY	HOPE NATURAL GAS COMPANY	ASSIGNMENT	155	202
				HOPE NATURAL GAS COMPANY	CONSOLIDATED GAS SUPPLY CORPORATION	CONFIRMATORY DEED	294	89
1	1			CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS TRANSMISSION CORPORATION	ASSIGNMENT	425	127
	1	Manned as	1	CONSOLIDATED GAS TRANSMISSION CORPORATION	CNG TRANSMISSION CORPORATION	MERGER/NAME CHANGE	WVSOS	

iviappeu as DOMINION TRANSMISSION, INC. G MERGER/NAME CHANGE CNG TRANSMISSION CORPORATION WVSOS 03-006B-0029-0000; CNX GAS COMPANY LLC 20, MEMORANDUM OF FARMOUT AGREEMENT DOMINION TRANSMISSION, INC. and de 672 03-006B-0048-0000 LIMITED PARTIAL ASSIGNMENT (50%) NOBLE ENERGY, INC. 684 CNX GAS COMPANY LLC 03-006C-0022-0000 CNX GAS COMPANY LLC AND NOBLE TOPRGY, INC. DOMINION TRANSMISSION, INC. PARTIAL ASSIGNMENT (32%) 712 848 Q100387000/ Assessed as 25 FK053267 ASSIGNMENT NOBLE ENERGY, INC. 717 FEEHGII0066 CNX GAS COMPANY LLC 03-006C-0022-0000 B ΔE HG ENERGY II APPALACHIA, LLC ASSIGNMENT 722 139 NOBLE ENERGY, INC. 03-006C-0022-0001, HG ENERGY II APPALACHIA, LLC NOBLE ENERGY, INC. ASSIGNMENT 722 170 03-006C-0058-0000, DOMINION ENERGY TRANSMISSION, INO MERGER/NAME CHANGE WVSOS DOMINION TRANSMISSION, INC. 03-006C-0061-0000 SECOND AMENDMENT TO MEMORANDUM OF DOMINION ENERGY TRANSMISSION, INC. HG ENERGY II APPALACHIA, LLC FARMOUT AGREEMENT 723 499 DOMINION ENERGY TRANSMISSION, INC. HG ENERGY II APPALACHIA, LLC AMENDED AND RESTATED PARTIAL ASSIGNMENT 723 527 THIRD AMENDMENT TO MEMORANDUM OF HG ENERGY II APPALACHIA, LLC FARMOUT AGREEMENT 734 558 DOMINION ENERGY TRANSMISSION, INC. DOMINION ENERGY TRANSMISSION, INC. HG ENERGY II APPALACHIA, LLC ASSIGNMENT (68%) 736 220 RESERVE GAS COMPANY NOT LESS THAN 1/8 297 STEPHEN P. QUEEN AND V. C. QUEEN, HIS WIFE HOPE NATURAL GAS COMPANY CONFIRMATORY DEED 155 RESERVE GAS COMPANY 202 CONSOLIDATED GAS SUPPLY CORPORATION CONFIRMATORY DEED HOPE NATURAL GAS COMPANY 294 89 CONSOLIDATED GAS TRANSMISSION CORPORATION CONSOLIDATED GAS SUPPLY CORPORATION ASSIGNMENT 425 127 CONSOLIDATED GAS TRANSMISSION CORPORATION CNG TRANSMISSION CORPORATION MERGER/NAME CHANGE WVSOS CNG TRANSMISSION CORPORATION DOMINION TRANSMISSION, INC. MERGER/NAME CHANGE WVSOS DOMINION TRANSMISSION, INC. CNX GAS COMPANY LLC MEMORANDUM OF FARMOUT AGREEMENT 672 154 NOBLE ENERGY, INC. LIMITED PARTIAL ASSIGNMENT (50%) 684 CNX GAS COMPANY LLC CNX GAS COMPANY LLC NOT LESS THAN 1/8 692 570 DOMINION TRANSMISSION, INC. 03-006B-0010-0000 FK088078 Q100485000 CNX GAS COMPANY LLC AND NOBLE ENERGY, INC. 27 DOMINION TRANSMISSION, INC. PARTIAL ASSIGNMENT (32%) 712 848 p/o 03-006C-0003-0000 FK053253 CNX GAS COMPANY LLC NOBLE ENERGY, INC. ASSIGNMENT 717 HG ENERGY II APPALACHIA, LLC ASSIGNMENT 722 NOBLE ENERGY, INC. 139 DOMINION ENERGY TRANSMISSION, INC. MERGER/NAME CHANGE DOMINION TRANSMISSION, INC. WVSOS SECOND AMENDMENT TO MEMORANDUM OF DOMINION ENERGY TRANSMISSION, INC. HG ENERGY II APPALACHIA, LLC FARMOUT AGREEMENT 723 THIRD AMENDMENT TO MEMORANDUM OF DOMINION ENERGY TRANSMISSION, INC. HG ENERGY II APPALACHIA, LLC FARMOUT AGREEMENT 734 558 HG ENERGY II APPALACHIA, LLC ASSIGNMENT (68%) 736 220 DOMINION ENERGY TRANSMISSION, INC. CARRIE DILLIN, SINGLE; HARVEY DILLON, ATTORNEY-IN-FACT FOR: HAROLD DILLON, EDNA C. DILLON, HERBERT DILLON AND JANICE DILLON, HIS WIFE; HELEN DILLON BROWN AND CHARLES BROWN, HER HUSBAND; GLORIA DILLON, WIFE OF HARVEY DILLON W. B. BERRY NOT LESS THAN 1/8 BERRY ENERGY CONSULTANTS & MANAGERS, INC. ASSIGNMENT W. B. BERRY 398 561 BERRY ENERGY CONSULTANTS & MANAGERS, INC. J & J ENTERPRISES, INC ASSIGNMENT 669 03-006B-0018-0000, EASTERN AMERICAN ENERGY CORPORATION CONFIRMATORY DEED 154 & J ENTERPRISES, INC 03-006B-0015-000, Q102365000 FK065437 ENERGY CORPORATION OF AMERICA CONFIRMATORY DEED EASTERN AMERICAN ENERGY CORPORATION 641 184 p/o 03-006B-0016-0000 CNX GAS COMPANY LLC PARTIAL TERM ASSIGNMENT 320 ENERGY CORPORATION OF AMERICA 697 NOBLE ENERGY, INC. ASSIGNMENT CNX GAS COMPANY LLC 684 57 HG ENERGY II APPALACHIA, LLC ASSIGNMENT NOBLE ENERGY, INC. 722 139 NOBLE ENERGY, INC. HG ENERGY II APPALACHIA, LLC ASSIGNMENT 722 170 ASSIGNMENT **ENERGY CORPORATION OF AMERICA** Greylock Production, LLC 53 Greylock Production, LLC HG ENERGY II APPALACHIA, LLC PARTIAL TERM ASSIGNMENT 763 368 HOPE NATURAL GAS COMPANY NOT LESS THAN 1/8 WILL E. MORRIS AND CAMELLA MORRIS, HIS WIFE 209 432 CONSOLIDATED GAS SUPPLY CORPORATION CONFIRMATORY DEED HOPE NATURAL GAS COMPANY 294 89 CONSOLIDATED GAS TRANSMISSION CORPORATION ASSIGNMENT CONSOLIDATED GAS SUPPLY CORPORATION 425 127 CNG TRANSMISSION CORPORATION CONSOLIDATED GAS TRANSMISSION CORPORATION MERGER/NAME CHANGE WVSOS CNG TRANSMISSION CORPORATION DOMINION TRANSMISSION, INC. MERGER/NAME CHANGE wvsos CNX GAS COMPANY LLC MEMORANDUM OF FARMOUT AGREEMENT DOMINION TRANSMISSION, INC. 672 154 CNX GAS COMPANY LLC NOBLE ENERGY, INC. LIMITED PARTIAL ASSIGNMENT (50%) DOMINION TRANSMISSION, INC. CNX GAS COMPANY LLC AND NOBLE ENERGY, INC. PARTIAL ASSIGNMENT (32%) 848 712 NOBLE ENERGY, INC. ASSIGNMENT CNX GAS COMPANY LLC 717 03-006B-0004-0000 Q100356000 FK061784 HG ENERGY II APPALACHIA, LLC ASSIGNMENT NOBLE ENERGY, INC. 139 03-005B-0036-0000 DOMINION ENERGY TRANSMISSION, INC. DOMINION TRANSMISSION, INC. MERGER/NAME CHANGE WVSOS

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T.N. BARNSDALL, SOUTHERN OIL COMPANY, FRED S. RICH, AND W.S. MOWRIS RESERVE GAS COMPANY ASSIGNMENT	85 10
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4 FK05312/ p/o 03-006R-0039-0000 Q100582000 CNX GAS COMPANY ELC NOBLE ENERGY, INC. CINITED PARTIAL ASSIGNMENT	
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NOBLE ENERGY, INC. HG ENERGY II APPALACHIA, LLC ASSIGNMENT	717
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CLARA E. QUEEN AND G. L. QUEEN, HER HUSBAND; L. EARL GARRETT	750 22
AND VIRGINIA G. GARRETT, HIS WIFE; JOHN E. GARRETT, SINGLE;	
JOSEPH R. GARRETT AND RUTH G. GARRETT, HIS WIFE; CHARLES M.	
GARRETT, JR. AND HILDA W. GARRETT, HIS WIFE HOPE NATURAL GAS COMPANY NOT LESS THAN 1/8	213 275
HOPE NATURAL GAS COMPANY CONSOLIDATED GAS SUPPLY CORPORATION CONFIRMATORY DEED	294 8
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6 FK062406 p/o 03-006B-0005-0000 Q100939000 CNX GAS COMPANY LLC NOBLE ENERGY, INC. LIMITED PARTIAL ASSIGNMENT	
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	736 220
FLODIA B. SMITH AND D. I. SMITH, HER HUSBAND; W. H. OLDAKER AND FREEDA OLDAKER, HIS WIFE; AND, EDITH W. WESTFALL AND	
CHARLES E. WESTFALL, HER HUSBAND HOPE NATURAL GAS COMPANY NOT LESS THAN 1/8	216 317
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				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC 및 보 > 등	ASSIGNMENT (68%)	1637	1081
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				AND, ADA B. HALL, WIDOW	CONSOLIDATED GAS SUPPLY CORPORATION	NOT LESS THAN 1/8	1032	683
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				CONSOLIDATED GAS TRANSMISSION CORPORATION	CNG DEVELOPMENT COMPANY	ASSIGNMENT	1143	921
				CNG DEVELOPMENT COMPANY	CONSOLIDATED GAS TRANSMISSION CORPORATION	ASSIGNMENT	1169	820
				CONSOLIDATED GAS TRANSMISSION CORPORATION	CNG TRANSMISSION CORPORATION	MERGER/NAME CHANGE	51	795
				CNG TRANSMISSION CORPORATION	DOMINION TRANSMISSION, INC.	MERGER/NAME CHANGE	58	362
14				DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	MEMORANDUM OF FARMOUT AGREEMENT	1522	33
				CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	LIMITED PARTIAL ASSIGNMENT (50%)	1543	1235
				DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC AND NOBLE ENERGY, INC.	PARTIAL ASSIGNMENT (32%)	1576	125
				CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	ASSIGNMENT	1584	942
				NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	1600	692
				DOMINION TRANSMISSION, INC.	DOMINION ENERGY TRANSMISSION, INC.	MERGER/NAME CHANGE	wvsos	
						SECOND AMENDMENT TO MEMORANDUM OF		
				DOMINION TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	FARMOUT AGREEMENT	1601	581
						THIRD AMENDMENT TO MEMORANDUM OF		
				DOMINION TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	FARMOUT AGREEMENT	1621	1295
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT (68%)	1637	1081



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 N-3H

Freemans Creek District, Lewis County

West Virginia

Office of Oil and Gas

FEB 2 2 2021

WV Department of Environmental Protection

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.

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

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

API No. 47-

	ce Certification: 01/27/2021	API No. 4		
			s Well No. Evans	
		Well Pad	Name: Evans W	ell Pad
Notice has l	oeen given:			and the second section
		§ 22-6A, the Operator has provided the re	quired parties w	ith the Notice Forms listed
	tract of land as follows:	-	27,772.0	
State:	West Virginia	UTM NAD 83 Easting:	541937.6	
County:	Lewis	Nortning:	4329720.8	OD 400
District:	Freemans Creek	Public Road Access:	Mare Run Road / 0	CK 109
Quadrangle:	Big-Isaac WV 7.5's Canden	Generally used farm name:	Evans	
Watershed:	Middle West Fork Creek			
information r of giving the requirements Virginia Cod	equired by subsections (b) and (c), so surface owner notice of entry to su of subsection (b), section sixteen of	bed in subdivisions (1), (2) and (4), sub ection sixteen of this article; (ii) that the re- urvey pursuant to subsection (a), section of this article were waived in writing by tender proof of and certify to the secretary at.	equirement was ten of this artic the surface ow	deemed satisfied as a result le six-a; or (iii) the notice ner; and Pursuant to West
	West Virginia Code § 22-6A, the Operator has properly served the require	perator has attached proof to this Notice C	Certification	
	ECK ALL THAT APPLY	a parties with the following:		OOG OFFICE USE ONLY
*PLEASE CH.	ECK ALL THAT APPLY	NOTICE NOT REQUIRED BECA SEISMIC ACTIVITY WAS CONDUCTION		
*PLEASE CH	ECK ALL THAT APPLY FICE OF SEISMIC ACTIVITY or	■ NOTICE NOT REQUIRED BECA	CTED	ONLY RECEIVED/
*PLEASE CH. 1. NO	ECK ALL THAT APPLY FICE OF SEISMIC ACTIVITY or FICE OF ENTRY FOR PLAT SURV	■ NOTICE NOT REQUIRED BECA SEISMIC ACTIVITY WAS CONDUC	ONDUCTED USE	ONLY RECEIVED/ NOT REQUIRED
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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

By: Diane White Durne White

Its: Agent

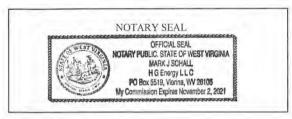
Telephone: 304-420-1119

Address: 5260 Dupont Road

Parkersburg, WV 26101

Facsimile: 304-863-3172

dwhite@hgenergyllc.com



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

Notary Public

My Commission Expires 11/2/

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 depprivacyofficer@wv.gov.

RECEIVED Office of Oil and Gas

FEB 2 2 2021

WV Department of Environmental Protection WW-6A (9-13)

DE

API NO. 47-		
OPERATOR W	ELL NO.	Evans 1213 N2H -S8H
Well Pad Name:	Evans 121	3

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

Notic	e Time Require	ment: notice shall be provi	ded no l	later than the filing date of permit application.	
Date	of Notice: 02/11/2	Date Permit Applicat	tion File	ed: 02/21/2021	
Notic	e of:				
V	PERMIT FOR A WELL WORK	71.70		OF APPROVAL FOR THE ON OF AN IMPOUNDMENT OR PIT	
Deliv	ery method pur	suant to West Virginia Co	de § 22	2-6A-10(b)	
	PERSONAL SERVICE	☐ REGISTERED MAIL		METHOD OF DELIVERY THAT REQUIRES A RECEIPT OR SIGNATURE CONFIRMATION	
sedim the su oil an descr opera more well v import have provi propos subser recom- provi Code	nent control plan rurface of the tract of dgas leasehold be dibed in the erosion tor or lessee, in the coal seams; (4) The work, if the surface undment or pit as a water well, spring de water for consumed well work act of the sheriff resion of this article R. § 35-8-5.7.a	equired by section seven of the which the well is or is proving developed by the proposing and sediment control plans are event the tract of land on which we want to be used for the place. The place of the superior of the superior water supply source location in the place of th	his article posed to be deed well ubmitted which the reface tracement whis article attended with the article and the deed with the attended with the seen holded atter shall be deed to shall be	receipt or signature confirmation, copies of the application, the le, and the well plat to each of the following persons: (1) The copies be located; (2) The owners of record of the surface tract or transverse, if the surface tract is to be used for roads or other land of depression to subsection (c), section seven of this article; (3) The well proposed to be drilled is located [sic] is known to be under the tracts overlying the oil and gas leasehold being developed to, construction, enlargement, alteration, repair, removal or abasele; (5) Any surface owner or water purveyor who is known to thin one thousand five hundred feet of the center of the well parals; and (6) The operator of any natural gas storage field within than three tenants in common or other co-owners of interests deapplicant may serve the documents required upon the person of section eight, article one, chapter eleven-a of this code. (2) Nower is not notice to a landowner, unless the lien holder is the land also provided the Well Site Safety Plan ("WSSP") to the surfact testing as provided in section 15 of this rule.	owners of record of eacts overlying the disturbance as the coal owner, derlain by one or do by the proposed nodonment of any the applicant to do which is used to me which the escribed in the twithstanding any downer. W. Va.
☑ A ₁	pplication Notice	e ☑ WSSP Notice ☑ E&	S Plan	Notice Well Plat Notice is hereby provided to:	
	RFACE OWNER			COAL OWNER OR LESSEE	
Name	·	es Evans (pad, road, water)	-	Name: NA	
Audi	ess: 1064 38th Stree Parkersburg, W		-	Address;	
Name		v 20104	-	COAL OPERATOR	
			-	Name: NA	RECEIVED
2.tddi	C55.		-	Address:	Office of Oil are in the
ПSU	RFACE OWNER	R(s) (Road and/or Other Dis	turbanc	e)	
Name				☐ SURFACE OWNER OF WATER WELL	FEB 2 2 2021
	ess:			AND/OR WATER PURVEYOR(s)	WV Department of Environmental Project
Name				Name: Address:	Environmental Prever
				. m. 633.	
□SU	RFACE OWNER	(s) (Impoundments or Pits)		OPERATOR OF ANY NATURAL GAS STOR. Name: Dominion Energy Transmission - Atln: Ronald Waldren Address: 925 White Oaks Blvd	AGE FIELD
Add	acc.		3	Bridgeport, WV 26330	
· ruul				*Please attach additional forms if necessary	

WW-6A (8-13) API NO. 47 4 1 0 5 7 1 8

OPERATOR WELL NO. Evens 1213 N2H-S8H

Well Pad Name: Evens 1213

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.www.dep

Well Location Restrictions

FEB 2 2 2021

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

WW-6A (8-13)

API NO. 47-041 - 05719

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 comments as to the location or construction of the applicant's proposed well work to the Secretary at:

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

RECEIVED
Office of Oil and Gas

FEB 2 2 2021

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

WW-6A (8-13) API NO. 47- 041 - 05719

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.

Office of Oil and Gas

FEB 2 2 2021

WV Department of Environmental Protection WW-6A (8-13)

API NO. 47-41 - 05119
OPERATOR WELL NO. Evans 1213 N2H-S8H
Well Pad Name: Evans 1213

Notice is hereby given by:

Well Operator: HG Energy II Appalachia, LLC

Telephone: 304-420-1119

Email: dwhite@hgenergyllc.com

Address: 5260 Dupont Road

Parkersburg, WV 26101

Facsimile: 304-863-2172

Oil and Gas Privacy Notice:

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



Subscribed and sworn before me this 11th day of February, 2021

Covered Beauty Notary Public

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Office of Oil and Gas

FEB 2 2 2021

W Department of Environmental Protection

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		METHOD	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 1-1750-85	4	4	10-21-20 2241	EK
Cl-	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
		W. C.					
					la manual		

*Client Provided

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

Estimated Reported value exceeded calibration range. E

Reported value is an estimate because concentration is less than reporting limit. 1

PND Precision not determined.

Sample results rejected because of gross deficiencies in QC or method performance. Re-sampling and or re-analysis is pressary oil and Gas. R

Recovery not determined. RND

U Compound was analyzed for, but not detected.

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

This result is not supported by our certification ID. T

Does not meet 40 CFR 136/141 compliance. A

Does not meet 47 CSR 32 compliance. C

Narrative:

Environmental Protection

FEB 2 2 2021

WV Department of

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

Sturm Environmental Services

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	METHOD	METHOD DETECTION LIMIT	MINIMUM REPORTING LIMIT	DATE/TIME ANALYZED	ANALYST
FIELD pH	7.5	units				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 1-1750-85	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 nd 5540C	.02	.04	10-21-20 2126	SW
11500							

*Client Provided

Narrative:

**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.

E Estimated Reported value exceeded calibration range.

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

PND Precision not determined.

RECEIVED
Sample results rejected because of gross deficiencies in QC or method performance. Re-sampling and or re-analysis sheet sample and Gas

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.

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.

Approved

Dough 4 Buto

WV Department of Environmental Protoction

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

PARAM	PARAMETER TEST RESULTS		UNITS	метнор	METHOD DETECTION LIMIT	MINIMUM REPORTING LIMIT	DATE/TIME ANALYZED	ANALYST
FIELD p	H	7.1	units	,			10-20-20 1250	LG
FIELD T	EMP	16.2	°C				10-20-20 1250	LG
FIELD C	OND	449	μmhos				10-20-20 1250	LG
pH	0	7.1	units	SM 22 nd 4500 H B	.1	210.	10-21-20 1117	HN
Fe		U	mg/L	EPA 200.7 Rev 4.4-1994	.05	.25	10-22-20 1523	DB
TDS		252	mg/L	USGS 1-1750-85	4	4	10-21-20 2241	EK
Cl-		14.1	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

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

E Estimated Reported value exceeded calibration range.

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

PND Precision not determined.

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

U Compound was analyzed for, but not detected.

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

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:

FEB 2 2 2021

WV Department of Environmental Protection

Approved Dough 4 Bondo

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

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

6552 FAX: 304-744-7866 MAILING ADDRESSES ARE LISTED BELOW

REPORT TO: Client Name: 1	IG EN	FRGY								В	ILL T	ro:	Clie	nt N	anie:										311		II and	PGT OF 2	Pro I
Address:																											- 100	60	environmental F
City/State/Zip:												(Office of C	FEB	um n
Contact Person:																											150	1 5	20
Telephone Number:											Te					_					FAX								E
Email Address:														Add								-					•		
Sampler Name: (Print) I											F			ord		_													
Sampler Signature:	اسميها	~		Z							TUR	N AI	ROU	ND T	IME:		St	andar	d								1 DAY	2 DAY	3 DAY
Project Name.			0														RI	USH (p	we-sche	eduled; surch	rges may ap	ply) Ple	ase Ch	eck O	ne				T
Special Reporting:	_	Email f	Results			Fax Res	ults										_			te Needed									
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Sample ID / Description	START DATE	START TIME	END DATE	END TIME	DATE	TIME	Ice	OTHER	HCI NBOH	H ₂ SO ₄ Plastic	H ₂ SO ₄ Glass	HNO,	Groundwater	Drinking Water	Sludge	Other (specify):	Meduli			FREQUENCY	and the state of t		# or bottles		Flow (gpm, cts, mgd) circle one	Field Conductivity	Field DO	Field Chlorine (mg/L or ug/L.) circia one	Field Temp (F* or C*) circle one
Evans (w-1)				n.	10/20/20	230 pm	x				ĬĮ.						x						7.4			485			15.8
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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 25363

PHONE: 304-744-9864 FAX: 304-744-7866 2 2021

MAILING ADDRESSES ARE LISTED BELOW BILL TO: Client Name: FEB REPORT TO: Client Name: HG ENERGY Address: Address: City/State/Zio: City/State/Zip: Contact Person: Contact Person: FAX Telephone Number: Telephone Number: Email Address: Email Address: Purchase Order #: Sampler Name: (Print) LARRY GARLITZ 1 DAY 2 DAY 3 DAY TURN AROUND TIME: Standard Sampler Signature: RUSH (pre-scheduled; surcharges may apply) Please Check One Project Name Date Needed Email Results Fax Results Special Reporting: GRAB SAMPLE PRESERVATIVE MATRIX ANALYZE FOR: COMPOSITE SAMPLE teld Conductivity FREQUENCY Bottles feld Chlorins(in Field Temp (F START DATE END DATE END TIME Fleld pH START 30 Sample ID / Description 16.2 3 7.1 1250 pm 10/20/20 Haught (w) aboratory Comments: Comments Temperature Upon Receipt: Records retained for 5 years Bottles Preserved? Date Time Time Date 10/20/2020 1070.20 Time Date Date Received by. Relinquished by

Operator Well No. Evans 1213 N2H - S8H

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

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

Notice Time I Date of Notic		rovided at least TEN (10) days prior to filing a Date Permit Application Filed: 02/20/2021	permit application.
Delivery metl	hod pursuant to West Virgini	Code § 22-6A-16(b)	
☐ HAND	■ CERTIFIED M	ΔΠ	
		EIPT REQUESTED	
DELIVE	KY KETUKN KEC	EIFT REQUESTED	
receipt reques drilling a hori of this subsect subsection ma	ted or hand delivery, give the s zontal well: <i>Provided</i> , That no tion as of the date the notice way be waived in writing by the s	ast ten days prior to filing a permit application, urface owner notice of its intent to enter upon the tice given pursuant to subsection (a), section to subsection to the surface owner: <i>Provided, howerface</i> owner. The notice, if required, shall inclinic mail address of the operator and the operator	he surface owner's land for the purpose of en of this article satisfies the requirements wever. That the notice requirements of this lude the name, address, telephone number,
	eby provided to the SURF	ACE OWNER(s):	
T TOTALLO.	zanne & James Evans	Name:	
	64 38th Street	Address:	
Pa	arkersburg, WV 26104	_	
the surface ow State: County: District:	mer's land for the purpose of d West Virginia Lewis Freemans Creek	b), notice is hereby given that the undersigned illing a horizontal well on the tract of land as for the control of the tract of land as for the control of	bllows: 541933,0 4329720,8 Mare Run Road/CR 10/9
Quadrangle: Watershed:	Middle West Fork Creek	Generally used farm name:	Evans
Pursuant to V facsimile num related to hori	ber and electronic mail addre izontal drilling may be obtaine	6(b), this notice shall include the name, address of the operator and the operator's authorized from the Secretary, at the WV Department of 25304 (304-926-0450) or by visiting www.de	ed representative. Additional information of Environmental Protection headquarters,
Notice is her	eby given by:		
	: HG Energy II Appalachia, LLC	Authorized Representative:	Diane White Diane White
Address:	5260 Dupont Road	Address:	5260 Dupont Road
	Parkersburg, WV 26101		Parkersburg, WV 26101
Telephone:	304-420-1119	Telephone:	304-420-1119
Email:	dwhite@hgenergyllc.com	Email:	dwhite@hgenergyllc.com
Facsimile:	304-863-3172	Facsimile:	304-863-3172

Oil and Gas Privacy Notice:

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

470410,5749 Operator Well No. Evans 1213 NSA - SSA 49

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

Valinam	othod nupsusut to 1	Vest Virginia Cada	8 22 64 16(a)		
Denvery me	ethod pursuant to	West Virginia Code	g 22-0A-10(C)		
CERT	IFIED MAIL		HAND		
RETU	JRN RECEIPT REQ	UESTED	DELIVERY		
return receip the planned required to b drilling of a damages to t d) The notic of notice. Notice is he	ot requested or hand operation. The no per provided by subset horizontal well; and the surface affected ces required by this preby provided to the provided to the provided to the provided to the operation.	delivery, give the su- tice required by this ection (b), section ten d (3) A proposed su- by oil and gas operat section shall be given the SURFACE OWN	rface owner whose land subsection shall inclused this article to a surface use and compen- tions to the extent the days to the surface owner.	I will be used for de: (1) A copy ace owner whose sation agreement amages are com	cation, an operator shall, by certified main or the drilling of a horizontal well notice of of this code section; (2) The information se land will be used in conjunction with the nt containing an offer of compensation for pensable under article six-b of this chapter sted in the records of the sheriff at the time
		ds of the sheriff at th			
wille.	izanne & James Evans	1	Name:		
	64 38th Street	V.	Addres	S:	
Notice is he	rkersburg, WV 26104 reby given: West Virginia Code				well operator has developed a planned
Notice is he Pursuant to Superation of State:	rkersburg, WV 26104 reby given: West Virginia Code		e of drilling a horizonta	If well on the tra Easting: Northing:	
Notice is he Pursuant to vipperation or State: County: District:	reby given: West Virginia Code the surface owner West Virginia Lewis Freemans Creek	s land for the purpos	e of drilling a horizonta UTM NAD 8 Public Road	If well on the tra Easting: Northing: Access:	act of land as follows: 541933.0
Notice is he Pursuant to	reby given: West Virginia Code the surface owner West Virginia Lewis Freemans Creek	s land for the purpose	e of drilling a horizonta UTM NAD 8 Public Road	If well on the tra Easting: Northing:	act of land as follows: 541933.0 4329720.8
Notice is he Pursuant to Superation of State: County: District: Quadrangle: Watershed: This Notice Pursuant to Superation of the provide of the provide of the provident of the pursuant of the pursuant of the pursuant to superate affect of the pursuant to the provident of the pursuant to the pursuant t	reby given: West Virginia Code In the surface owner West Virginia Lewis Freemans Creek Big Isaac WV 7.5' Middle West Fork Creek Shall Include: West Virginia Code ded by W. Va. Coo vell; and (3) A proported by oil and gas related to horizonta s, located at 601 5'	\$ 22-6A-16(c), this de § 22-6A-10(b) to a operations to the extal drilling may be obtained.	Public Road Generally us notice shall include: (1 a surface owner whose compensation agreement the damages are cotained from the Secre	Easting: Northing: Access: ed farm name: A copy of this e land will be int containing an ompensable unctary, at the WV	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
Notice is he Pursuant to Speration or State: County: District: Quadrangle: Watershed: This Notice Pursuant to So be provide or provide affect afformation neadquarters gas/pages/de	reby given: West Virginia Code In the surface owner West Virginia Lewis Freemans Creek Big Isaac WV 7.5' Middle West Fork Creek Shall Include: West Virginia Code ded by W. Va. Cod vell; and (3) A propo	\$ 22-6A-16(c), this de § 22-6A-10(b) to a operations to the extal drilling may be obtained.	Public Road Generally us notice shall include: (1 a surface owner whose compensation agreement the damages are cotained from the Secretarleston, WV 25304	A copy of this e land will be not containing an ompensable unctary, 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
Par Notice is he Pursuant to Speration of State: County: District: Quadrangle: Watershed: This Notice Pursuant to Speration of the provide norizontal was surface affect information meadquarters gas/pages/de	reby given: West Virginia Code In the surface owner West Virginia Lewis Freemans Creek Big Isaac WV 7.5' Middle West Fork Creek Shall Include: West Virginia Code ded by W. Va. Cod vell; and (3) A proported by oil and gas related to horizonta s, located at 601 5' efault.aspx.	\$ 22-6A-16(c), this de § 22-6A-10(b) to a operations to the extal drilling may be obtained.	Public Road Generally us notice shall include: (1 a surface owner whose compensation agreement the damages are cotained from the Secre	A copy of this e land will be int containing arompensable unctary, 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-
Notice is he Pursuant to Superation of State: County: District: Quadrangle: Watershed: This Notice Pursuant to Subseption of Subseption of State: County: District: Quadrangle: Watershed: This Notice Pursuant to Subseption of S	reby given: West Virginia Code In the surface owner West Virginia Lewis Freemans Creek Big Isaac WV 7.5' Middle West Fork Creek Shall Include: West Virginia Code ded by W. Va. Cod vell; and (3) A propo	\$ 22-6A-16(c), this is a seed surface use and operations to the extal drilling may be obtained. Street, SE, Charachia, LLC	Public Road Generally us notice shall include: (1 a surface owner whose compensation agreement the damages are cotained from the Secretarleston, WV 25304	A copy of this e land will be not containing an ompensable unctary, 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 Gas

FEB 2 2 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

October 2, 2020

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 N-3H 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.

Very Truly Yours,

Gary K. Clayton, P.E.

Regional Maintenance Engineer Central Office O&G Coordinator

Cc: Diane White

HG Energy, LLC.

CH, OM, D-7

File

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FEB 2 2 2021

Environm 05/07/2021

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
110 Share Shir 103		7647-14-5
		12125-02-9
		64742-47-8
D 181 11	DA: 1	C0412 F4 4
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	
PROGEL - 4.5	64742-96-7	
BIO CLEAR 2000	Mixture	25322-68-3
DIO GEE/III 2000	Winter	10222-01-2
SCALE CLEAR SI 112	107-21-1	
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
DDOCEL 4	0000 33 6	
PROGEL - 4	9000-30-0	

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WV Department of Environmental Protection



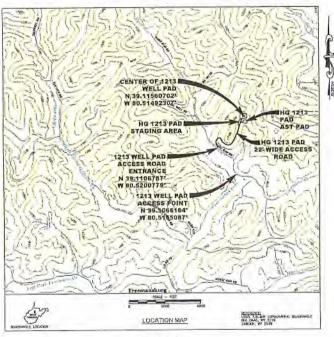
CONSTRUCTION IMPROVEMENT PLANS WITH EROSION AND SEDIMENT CONTROLS HG 1213 WELL PAD

	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

CONSTRUCTION SEQUENCE

- 1. 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 delineate sensitive areas, fiparian forest buffer boundaries, the limits of clearing, and trees that are to be conserved within the project site, and shall install appropriate barriers where equipment may not be parked, staged, operated or located for any purpose.
- 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 routes, and areas designated for equipment or other use at the site including parking, stockpiles.
- Sediment Barriers Install perimeter BMPs after the construction site is accessed, keeping associated clearing and grubbing limited to only that amount required for installing perimeter BMPs.
- Land Clearing and Grading Implement clearing and grading only after all downslope E&S BMPs have been constructed and stabilized.
- 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.
- 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 be required.
- Upon completion of pad grading, compact the pad to grade and begin placement of pad soil cement.
- 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 borrow and spoil areas, and remove all temporary BMPs and stabilize any disturbances associated with the removal of the BMP.

FREEMANS CREEK DISTRICT LEWIS COUNTY WEST VIRGINIA



PREPARED FOR
HG ENERGY II APPALACHIA, LLC

5250 DUPONT ROAD PARKERSBURG, WEST VIRGINIA 26101 (304) 420-1100

PREPARED BY

PENN ENVIRONMENTAL & REMEDIATION, INC.

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

Final Development - Grav	el Option				
			D.t.	FE	Stockalle
213 Well Pad			8,320	7,670	650
1213 Well Pad Apoess Real	1		5.320	1.540	3,780
1213 YWE Pad AST Fad			350	440	-90
1213 Wid Pad Sagny Ass			570	420	150
Totals	_		14,560	10,070	4,490
Eqt. Swell Factor		(20%)	T		898
Fotal Site Balance:	The History				5,330
Stripped Topsoi (Limits of	Earthwark)				5,782
Est, Swell Factor		(20%)			1,156
Est. Topsol Stockple Volu	ne (Lease C	n			6,038
Minimum Total Stockpile C	арициу Весл	ned (Cr)			12,328
Notes: 1, Macerial tratages for est. 2. Topsof est, volume tres 3, Meheid balance and ag and rang not be represed 4. Estimates de real reflect.	ed on 6 inche gragate qual native of ect	r average cos tas ual quanti	eclopits, ecl on estir Ses,	nows:	
Estimated Gravet Quartifie	8		_		
	AST Pad ACT Pad Activity Foods	Singing Area Fad	1212 Null Pad	AGT Paul	ATOT
(0) Soil Demont (Placed 54)	B,420	3,320	10,700	4 125	20,50
2 Deph of 1/2 Drosby Bjr (firm)	608	240	773	298	1,019

ID SOCIETY INDICATES	0,420	9,360	10,100	1 4 163	40,000
Oph of Li' Dashe Birdine).	608	240	773	295	1,919
Estimated Pad Access Bood #* Filter Sock Length (UF)					
Estimated Well Pad It" Filter Sock Laught (LF)					1310
TOTAL Extracted 8" Compast Fiber Sock Langth (LF)					2044
Estimated Part Recess Road Limit of Disturbance (Acres)			8.10		
Estimated 1219 (vol. AST & Stuging Pauls Limit of Depurtures (Acres)				6.25	
TOTAL Entiropied Limit of Disturbance (Acres)					14.36
Well Pad Peak Pre-Condu	etten Elev	sion (Fit)			1233.00
Well Area Subsuse Elevat	on (fee of	Soil Corrie	4 Suntan	er (Fit	1227,30
Wed Aren Surface Elevatio	a (Fig.				1232,57

WELL #	LAT.	LONG.
N-1H	N 39.115635	W 80.515002
N-2H	N 39.115635	W 80.514949
N-3H	N 39.115834	W 80.514896
N-4H	N 39,115534	W 80.514844
S-5H	N 39.115566	W 80.515003
5-6H	N 39.115565	W 80.514950
S-7H	N 39.115566	W 80,514897
S-8H	N 39.115565	W 80,514844

WELL ELEVATIONS 1227.

	LATITUDE	LONGITUDE
1213 WELL PAD ACCESS POINT	N 39.1066184°	W 80.5165087
1213 WELL PAD ACCESS ROAD ENTRANCE	N 39.1106767	W 80.5200779

RECORD OWNER	RECORD LOT #	RECORD AREA OF LOT	AREA WITHIN LOD
SUZANNE LYNN & JAMES M. EVANS	21-03-0060-0004-0000	308.1376	14,340
MARE BUN ROAD D.R. 10/9	N/A	N/A	0,025
TOTAL LIMIT OF C	ISTURBANCE		14.365 A

HE DIMMEN IS EMPROUTED, THIS DRIVEN IS A TRACE SECRET AND THAT DEPENDED IN THE SECRET FOR HET FERDONIN, DOES, MISSION THE SHARED RECEIVED CONFIRM OF FIRM DIMENSIONAL CONTRICTION, AND HER OF ADDRESSES IN SHAPE AND HER AND LEGAL CASE OF THE RECOVERY OF HERO MATERS FIRM RECOVERED IN SHAPE AND CONTRICT A CAUSE ITSI LEGAL ACTION, THIS MARRIE MATER HE RECOVERED IN THE RESTORANCE AND CONTRICT A CAUSE ITSI LEGAL ACTION, THIS MARRIE MATER HEROSTORANCE OF THE COMMENT.

| 1 | 2020-09-29 | REVISED PER CUENT COMMENTS | 2 | 2020-11-20 | REVISED PER CUENT COMMENTS |

Office of Oil and U.



TITLE SHEET

HG 1213 PAD FREEMANS CREEK DISTRICT LEWIS COUNTY, WEST VIRGINIA

HG ENERGY II APPALACHIA, LLC PARKERSBURG, WEST VIRGINIA

CHECKED CAC 69/03/
F DRAWN SWH 09/03/
48 PROJECT No. 4000-PAOD
TORAWN NUMBER
PAOD8130-001

SHEET 1



WEST VIRGINIA

YOU DIG!

Dial 811 or 800,245,4848

UTY LINES ARE NOT SHOWN ON THE PLANS. THE CONTRACTOR SHALL RE BYOK LOCATING, MAINTAINING, AND REPLACING AS NECESSARY TO EMBURE CONTINUAL SERVICE.

CT FILES\AGGG-PAGOS130 HG 1213\DRAWINGS\PAGDB130 TITLE SHEET.DY

WV Department at Environmental Protection

LEGETYL