

#### 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

Austin Caperton, Cabinet Secretary www.dep.wv.gov

Tuesday, July 10, 2018 WELL WORK PERMIT Vertical / Re-Work

HG ENERGY, LLC 5260 DUPONT ROAD

PARKERSBURG, WV 26101

Permit approval for SB KINKEAD 109 Re: 47-087-04753-00-00

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

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

Per 35 CSR 4-5.2.g this permit will expire in two (2) years from the issue date unless permitted well work is commenced. If there are any questions, please feel free to contact me at (304) 926-0450.

James A. Martin

Chief

Operator's Well Number: SB KINKEAD 109 Farm Name: MAY, TIMOTHY D.

U.S. WELL NUMBER: 47-087-04753-00-00

Vertical Re-Work

Date Issued: 7/10/2018

### **PERMIT CONDITIONS**

West Virginia Code §22-6-11 allows the Office of Oil and Gas to place specific conditions upon this permit. Permit conditions have the same effect as law. <u>Failure to adhere to the specified permit conditions may result in enforcement action.</u>

#### **CONDITIONS**

- 1. 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 §22-6-20, 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 fifty (50) feet below the bottom of the void or install less than twenty (20) feet of casing below the bottom of the void.
- 2. Pursuant to 35 CSR 4-19.1.a, at the request of the surface owner all water wells or springs within 1000 feet of the proposed well that are actually utilized for human consumption, domestic animals or other general use shall be sampled and analyzed.
- 3. Pursuant to 35 CSR 4-19.1.c, if the operator is unable to sample and analyze any water well or spring with one thousand (1,000) feet of the permitted well location, the Office of Oil and Gas requires the operator to sample, at a minimum, one water well or spring located between one thousand (1,000) feet and two thousand (2,000) feet of the permitted well location.
- 4. All pits must be lined with a minimum of 20 mil thickness synthetic liner.
- 5. In the event of an accident or explosion causing loss of life or serious personal injury in or about the well or while working on the well, the well operator or its contractor shall give notice, stating the particulars of the accident or explosion, to the oil and gas inspector and the Chief within twenty-four (24) hours.
- 6. During the surface casing and cementing process, in the event cement does not return to the surface, or any other casing string that is permitted to circulate cement to the surface and does not return to the surface, the oil and gas inspector shall be notified within twenty-four (24) hours
- 7. Well work activities shall not constitute a hazard to the safety of persons.
- 8. Operator shall provide the Office of Oil & Gas notification of the date that drilling commenced on this well. Such notice shall be provided by sending an email to DEPOOGNotify@wv.gov within 30 days of commencement of drilling.

FORM WW-3 (B) 1/12



1)	Date:	06/07/201	8				3 O
2)	Operator	's Well 1	No.	SB	Kinkead 109		
3)	API Wel	ll No.:	47 -		087	-	04753
			State	-	County	_	Permit
4) UIC Permit No. 2R087				704AF			

### STATE OF WEST VIRGINIA

### NOTICE OF LIQUID INJECTION OR WASTE DISPOSAL WELL WORK PERMIT APPLICATION FOR THE DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS

5) WELL			d Injectio	n 🗸	/		tion (not stora		_ / w	aste Disposal			
6) LOCAT		Elevation						ısh Run	O	-1-			
<b>6</b> ) <b>W</b> ( <b>1</b> ) <b>1</b>			Smithfie			Coi	Inty Roane	TED ACE		gle Looneyville 7.5'			
7) WELL							8) DESIGNA						
	Addre		60 Dupont I					Addres					
0) 077 0	a La Dia	-	arkersburg, \		TD		10\\DDTTD	TO CONTEN		urg, WV 26101			
9) OIL & 0			K 10 BE	NOTIFI	ED		10) DRILLIN		ACTOR				
Name	Joe Taylo						Name NA						
Address	1478 Clay						Address						
	Ripley, W	V 2521 I					Q		****				
11) PROP	OSED W	ELL W				/ Drill d nation change in v	/ Perfo	/ Recorate new for Reperforate Big	rmation	/ Stimulate			
12) GEOL	OGIC TA	ARGET	FORMA	TION Big	g Injun	-	Depth	2148 (TVD)	Feet (top)	) to 2165 (TVD) Feet (bottom)			
						pth of exist	ing well): 263	30 ( MD ) 2312 (	TVD) Feet				
14) Approx			•		esh none	-	Feet	Salt _		Feet			
15) Approx				NA									
16) Is coal	being mi	ned in the	he area?	Yes		_ No							
17) Virgin	reservoir	pressur	e in targe	t formation	on 1250	psig	Source	Estimated					
18) Estima	ited reser	voir frac	ture pres	sure 265	50					psig (BHFP)			
							olume per hou			ole pressure 2400			
20) DETA	ILED ID	ENTIFI	CATION	OF MAT	ΓERIAL	S TO BE I	NJECTED, IN	CLUDING	ADDITIVE	S Fresh water, Produced water,			
bactericide	es, and othe	r chemicals	s as needed	to maintain v	water quali	ty and improve	oil recovery						
21) FILTE	RS (IF A	NY) c	artridge filte	rs									
22) SPECI	FICATIO	ONS FO	R CATH	ODIC PR	COTECT	TION AND	OTHER COR	ROSION C	CONTROL	***************************************			
23) CASING	G AND T	UBING F	ROGRAM	<u> </u>						25051150			
CASING	OR		SP	ECIFICATI	ONS		FOOTAGE IN	TERVALS	CEMENT	Office of Six ERS Gas			
TUBING 7	ГҮРЕ	Size	Grade	Weight	New	Used	For Drilling	Left In	FILL -UP	14.64			
				per ft.				Well	OR SACKS (CU. FT.)	JUN 1 5 2018			
Conductor		11 5/8"	LS	NA		Х	30'	30'		Kindsy Department of			
Fresh Water	r	7"	LS	17	Х		508'	508'	CTS	Environmental Protection			
Coal										Sizes			
Intermediate	e									2 3/8" x 4"			
Production		4 1/2"	J-55	10.5	Х		2583.3'	2583.3'	375 cu ft	Depths set			
Tubing		2 3/8"	J-55	4.7	Х		2297	2297		2297			
Liners										Perforations			
										Top Bottom			
										2398 2408			
					L	L							
(5)						uired from	S B & M C Kink						
by dee	d	_ / le	ease x		other co			09/20/1906		of record in the			
Roane			C	ounty Cle	erk's off	ice in Lea	se	<u> </u>	Book 10	Page 204			
								4		ites o			

FORM WW-3 (B) 1/12



1)	Date:	06/07/201	8				3 O
2)	Operator	's Well 1	No.	SB	Kinkead 109		
3)	API Wel	ll No.:	47 -		087	-	04753
			State	-	County	_	Permit
4) UIC Permit No. 2R087				704AF			

### STATE OF WEST VIRGINIA

### NOTICE OF LIQUID INJECTION OR WASTE DISPOSAL WELL WORK PERMIT APPLICATION FOR THE DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS

5) WELL			d Injectio	n 🗸	/		tion (not stora		_ / w	aste Disposal			
6) LOCAT		Elevation						ısh Run	O	-1-			
<b>6</b> ) <b>W</b> ( <b>1</b> ) <b>1</b>			Smithfie			Coi	Inty Roane	TED ACE		gle Looneyville 7.5'			
7) WELL							8) DESIGNA						
	Addre		60 Dupont I					Addres					
0) 077 0	a La Dia	-	arkersburg, \		TD		10\\DDTTD	TO CONTEN		urg, WV 26101			
9) OIL & 0			K 10 BE	NOTIFI	ED		10) DRILLIN		ACTOR				
Name	Joe Taylo						Name NA						
Address	1478 Clay						Address						
	Ripley, W	V 2521 I					Q		****				
11) PROP	OSED W	ELL W				/ Drill d nation change in v	/ Perfo	/ Recorate new for Reperforate Big	rmation	/ Stimulate			
12) GEOL	OGIC TA	ARGET	FORMA	TION Big	g Injun	-	Depth	2148 (TVD)	Feet (top)	) to 2165 (TVD) Feet (bottom)			
						pth of exist	ing well): 263	30 ( MD ) 2312 (	TVD) Feet				
14) Approx			•		esh none	-	Feet	Salt _		Feet			
15) Approx				NA									
16) Is coal	being mi	ned in the	he area?	Yes		_ No							
17) Virgin	reservoir	pressur	e in targe	t formation	on 1250	psig	Source	Estimated					
18) Estima	ited reser	voir frac	ture pres	sure 265	50					psig (BHFP)			
							olume per hou			ole pressure 2400			
20) DETA	ILED ID	ENTIFI	CATION	OF MAT	ΓERIAL	S TO BE I	NJECTED, IN	CLUDING	ADDITIVE	S Fresh water, Produced water,			
bactericide	es, and othe	r chemicals	s as needed	to maintain v	water quali	ty and improve	oil recovery						
21) FILTE	RS (IF A	NY) c	artridge filte	rs									
22) SPECI	FICATIO	ONS FO	R CATH	ODIC PR	COTECT	TION AND	OTHER COR	ROSION C	CONTROL	***************************************			
23) CASING	G AND T	UBING F	ROGRAM	<u> </u>						25051150			
CASING	OR		SP	ECIFICATI	ONS		FOOTAGE IN	TERVALS	CEMENT	Office of Six ERS Gas			
TUBING 7	ГҮРЕ	Size	Grade	Weight	New	Used	For Drilling	Left In	FILL -UP	14.64			
				per ft.				Well	OR SACKS (CU. FT.)	JUN 1 5 2018			
Conductor		11 5/8"	LS	NA		Х	30'	30'		Kindsy Department of			
Fresh Water	r	7"	LS	17	Х		508'	508'	CTS	Environmental Protection			
Coal										Sizes			
Intermediate	e									2 3/8" x 4"			
Production		4 1/2"	J-55	10.5	Х		2583.3'	2583.3'	375 cu ft	Depths set			
Tubing		2 3/8"	J-55	4.7	Х		2297	2297		2297			
Liners										Perforations			
										Top Bottom			
										2398 2408			
					L	L							
(5)						uired from	S B & M C Kink						
by dee	d	_ / le	ease x		other co			09/20/1906		of record in the			
Roane			C	ounty Cle	erk's off	ice in Lea	se	<u> </u>	Book 10	Page 204			
								4		ites o			

Page 1 of 4

WR-35 Rev. 8/23/13

# State of West Virginia Department of Environmental Protection - Office of Oil and Gas Well Operator's Report of Well Work

API 47 087 04753	County ROAM	NE	District SMITHF	IELD	
Quad LOONEYVILLE 7.5'		IKEAD, S.B.	Field/Pool Name		
Farm name MAY, TIMOTHY D.			Well Number _10		
Operator (as registered with the OC	G) H.G. ENERGY I	LC .			
Address 5260 DuPONT ROAD		ARKERSBURG	State WV	Zip_2	26101
As Drilled location NAD 83/UTI Top hole	M Attach an as-dri Northing 4,285,442 M	lled plat, profile view,	and deviation survey Easting 475,633 M		
Landing Point of Curve	Northing	***	asting		
Bottom Hole	Northing 4,285,245 M	E	asting 475,464 M		
Elevation (ft) 1,110' GI				rt □Interim	
Permit Type  Deviated	Horizontal   Horiz	ontal 6A 🛛 Vertical	Depth Type	□ Deep	Shallow
Type of Operation   Convert	Deepen 🖺 Drill	□ Plug Back □ Re	drilling 🗆 Rework	□ Stimulat	e
Well Type □ Brine Disposal □ CI	BM □ Gas □ Oil 善 S	econdary Recovery	Solution Mining	Storage □ Ot	her
Type of Completion  Single	Multiple Fluids Proc	duced 🗆 Brine 🗆 🗆 Ga	s □ NGL   Oil	□ Other	
Drilled with □ Cable ■ Rotary	-				
Production hole Air Mud  Mud Type(s) and Additive(s)  N/A	□ Fresh Water		e hole	id Bresh w	
Date permit issued11/17/14	Date drilling con	nmenced1/28/15	5 Date drilling	g ceased	2/1/15
Date completion activities began	0.000145		ctivities ceased		RECEIVED Office of Oil and Gas
Verbal plugging (Y/N) N	Date permission grant	-			Office of Oil and Gas
. 33 0 ( )					JUN 1 5 2018
Please note: Operator is required to	submit a plugging appli	cation within 5 days of	verbal permission to	plug F	WV Department of Environmental Protect
Freshwater depth(s) ft	None	Open mine(s) (Y/N)	depths	None	
Salt water depth(s) ft	1730'	Void(s) encountered	(Y/N) depths	None	
Coal depth(s) ft	lone		red (Y/N) depths	None	<del></del> <del>9</del>
Is coal being mined in area (Y/N)	N	,,			
- · · /				Review	ed by:

WR-35

Page 2 of 4

Rev. 8/23/13								<b>-</b>				
API 47- 087	04753	Farm n	ame_MAY, TI	MOTHY D.		_Well numbe	<sub>er_</sub> 109					
CASING STRINGS	Hole Size	Casing Size	Depth	New or Used	Grade wt/ft	Basket Depth(s)		ement circulate (Y/N) vide details below*				
Conductor	12 1/4"	11 5/8"	30'	Used	LS			Sand In				
Surface	8 3/4"	7"	508'	New	LS	64		Υ				
Coal												
Intermediate 1												
Intermediate 2				`								
Intermediate 3												
Production	6 1/4"	4 1/2"	2583.3'	New	J-55			Υ				
Tubing												
Packer type and depth set												
CEMENT DATA	Class/Type of Cement	ks to surface on 7* sur Numbe of Sack	r Slurr	y Y	ield Vo	olume	Cement Top (MD)	WOC (hrs)				
Conductor												
Surface	Reg Neat	130	15.6	3 1	.18 1:	53.4	Surface	8				
Coal	<u> </u>											
Intermediate 1												
Intermediate 2												
Intermediate 3						İ						
Production	50:50 Pozmix	115/125	13.2/14	1.2 1.64	/1.27 189	9/186	Surface	8				
Tubing												
Drillers TD (ft) Deepest format Plug back proc	ion penetrated	Big Injun		Loggers TI Plug back t								
Kick off depth (		图 caliper 图 neutron	自 density 自 resistivity		d/directional ray	induction		c				
Well cored   DESCRIBE TH 20 Centralizers every 88 fro		Convention  ZER PLACEME  zer placed mid string on 7*				_	ed El Yes (	No RECEIVED Toe of Oil and Gas				
							- 0	77 / 5 20.				
							Fn. W	2018				
WAS WELL CO	OMPLETED AS	S SHOT HOLE	□ Yes 💆	No DE	TAILS		LIVITOR	Department of mental Protection				
WAS WELL CO	OMPLETED OI	PEN HOLE?	□Yes ∄ No	DETA	ILS			_				
VERE TRACEI	RS USED _ Y	es 🖺 No	TYPE OF TR	ACER(S) US	SED							

WR-35 Rev. 8/23/13 Page 3 of 4

API 47-087 _ 04753	Farm name MAY, TIMOTHY D.	Well number 109	

#### PERFORATION RECORD

Stage No.	Perforation date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formation(s)
1	3/23/15	2398'	2408'	40	Big Injun
			•		
			,		
		_			
	•				

Please insert additional pages as applicable.

### STIMULATION INFORMATION PER STAGE

Complete a separate record for each stimulation stage.

Stage No.	Stimulations Date	Ave Pump Rate (BPM)	Ave Treatment Pressure (PSI)	Max Breakdown Pressure (PSI)	ISIP (PSI)	Amount of Proppant (lbs)	Amount of Water (bbls)	Amount of Nitrogen/other (units)
1	3/26/15	5	2300	2320	3153	2,500	122	
					_			
		-			,			
			•		<del>-</del> ,-			RECEIVED Office of Oil and Gas
								JUN 1 5 2018
								W Department
							Env	WV Department of ironmental Protection
				<u> </u>	·			

Please insert additional pages as applicable.

WR-35 Rev. 8/23/13								Page <u>4</u> of <u>4</u>
	_ 04753	Farm	name MAY, T	IMOTHY I	D	Well num	nber_109	
PRODUCING	FORMATION	I(S)	DEPTHS					
Big Injun			2148'- 2165'	m m	22021 24251			
		<del></del>	2140-2100	_1\D	2383'- 2425'	MD		
		<del></del> .						
	<del></del> .	<del></del>						
Diago i and	1.122							
Please insert ad	iditional pages	as applicable.						
GAS TEST	□ Build up	□ Drawdown	□ Open Flow	ı	OIL TEST []	Flow 🗆 Pu	mp	
SHUT-IN PRE	SSURE Sur	face	psi Botte	om Hole	psi	DURATIO	N OF TEST _	hrs
OPEN FLOW	Gas	Oil	NGL		Water	GASMEA	SURED BY	
		fpd						□ Pilot
			•	_ '				
LITHOLOGY/	TOP	воттом	TOP	BOTTOM				
FORMATION	DEPTH IN FT	DEPTH IN FT				ROCK TYPE A	ND RECORD QUA	NTITYAND
	NAME TVD	TVD	MD	MD				L, GAS, H₂S, ETC)
Sand/Shale	0	1665	0	1724		<u> </u>		
Sand	1665	1671	1724	1730		· · · · · · · · · · · · · · · · · · ·		
Shale	1671	1677	1730	1738				·
Sand	1677	1790	1738	1878				
Shale	1790	1809	1878	1904				
Sand	1809	1972	1904	2139				
Little Lime	1972	1987	2139	2162				
Pencil Cave	1987	1998	2162	2176				
Big Lime	1998	2119	2176	2356				
Keener	2119	2148	2356	2383				
Big Injun	2148	2165	2383	2425	Dr	illed directiona	IS 41° W a distan	ce of 771'
Shale	2165	2312	2425	2630				
TD	2312		2630					
Please insert add	litional pages a	s applicable.						Office of Oil and
Drilling Contrac	tor Decker Drill	ling						Office of Oil and
Address 11565 S	tate Route 676		City	Vincent		State OH	Zip 45784	4 JUN 15 20
	Maatharfara							· 20
Logging Compar		International		<del></del>		100		Envir Denau
Address 777 Nort	n River Avenue		City	Weston		_State _WV	Zip 26452	2 Protei
Cementing Comp	<sub>pany</sub> Universal	Services						-
Address Hall Rd			City	Buckhannon		State WV	Zip 26201	I
					<del></del> -		P	<del></del>
Stimulating Com		ers Service Corp						
Address 109 Sout			City	Zanesville		_State OH	Zip <u>43701</u>	
Please insert add	itional pages as	s applicable.						
a	Roger Heldman				<b></b>	304_420_440	7	
Omniated has b								
Completed by <u>F</u> Signature	1) . Fl.	, dr	Tista On	erations Mana	Telepnone _	304-420-1107	4/2/15	

FORM WW-3 (A) 1/12



1) Date: June 7, 20	18				
2) Operator's Well	No.	SB Kir	nkead 109		
3) API Well No.:	47	-	087	-	04753
	State		County	-	Permit
1) I II C Permit No		007044	-		

### STATE OF WEST VIRGINIA NOTICE OF LIQUID INJECTION OF WASTE DISPOSAL WELL WORK PERMIT APPLICATION FOR THE DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS,

<ol><li>Surface Ow</li></ol>	ner(S) To Be Served	7) (a) Coal Operator						
(a) Name	Timothy D May	Name	NA					
Address	242 Edgle Fork Road	Address	3					
	Spencer, WV 25276							
(b) Name		•	l Owner(S) With I	Declaration Of Record	rd			
Address		Name	NA					
		Address						
(c) Name		Name						
Address		Address						
6) Inspector	Joe Taylor	. 7) (c) Coal	Lessee with Decl	aration Of Record				
Address	1478 Claylick Road	Name	NA					
	Ripley, WV 25271	Address	-					
Telephone	304-380-7469							
parties inv (2) The plat (s (3) The Const	ication For A Liquid Injection or Waste I volved in the drilling or other work; surveyor's map) showing the well location truction and Reclamation Plan on Form Wosion and sediment control and for reclamation and for reclamation and sediment control and for reclamation and sediment control and for reclamation and sediment control and for reclamatics.	on Form W W-9 (unless	W-6; and the well work is	only to plug a well),				
The date	proposed for the first injection or waste	e disposal is	S		20 18 .			
APPLICATION	YOU HAVE RECEIVED THESE DO WHICH ARE SUMMARIZED IN THE TION [(FORM WW-3(B)] DESIGNATE LL.	"INSTRUC	CTIONS" ON THE	E REVERSE SIDE	OF THE COPY OF			
Notice and App West Virginia Application and and Reclamation	t under Chapter 22-6 of the West Virginia plication and accompanying documents for Department of Environmental Protection, depicted on the attached Form WW-6. On Plan have been mailed by registered or on certain circumstances) on or before the day	r a Well Wo , with respe Copies of thi certified mai	ork Permit with the cet to a well at the is Notice, the App il or delivered by	the Chief of the Office the location describe lication, the plat, and thand to the person(s	ce of Oil and Gas, d on the attached d the Construction			
	The person signing this docume	ent shall m	ake the following	g certification:				
"T partific unda-	penalty of law that I have personally exami	ined and	Well Operator	HG Energy, LLC Er	WV Department of nvironmental Protection			
	h the information submitted in this docume		Address	5260 Dupont Road				
	I that, based on my inquiry of those individual			Parkersburg, WV 26101				
	sponsible for obtaining the information, I be		By:	Diane White				
the information	is true, accurate and complete. I am aware	that there	Its:	Agent				
	penalties for submitting false information, in fine and imprisonment.	ncluding	Signature:	Diane	White			

WW-9 (2/15)

API Number 47 - <sup>087</sup>	_ 04753
Operator's Well No.	SB Kinkead 109

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

FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN
Operator Name HG Energy, LLC OP Code 494497948
Watershed (HUC 10) Rush Run Quadrangle Looneyville 7.5'
Do you anticipate using more than 5,000 bbls of water to complete the proposed well work? Yes No
Will a pit be used? Yes No
If so, please describe anticipated pit waste:  No fluids are anticipated
Will a synthetic liner be used in the pit? Yes No If so, what ml.?
Proposed Disposal Method For Treated Pit Wastes:
Land Application Underground Injection (UIC Permit Number  Reuse (at API Number  Off Site Disposal (Supply form WW-9 for disposal location)  Other (Explain
Will closed loop system be used? If so, describe: NA
Drilling medium anticipated for this well (vertical and horizontal)? Air, freshwater, oil based, etc. Air, Fresh Water
-If oil based, what type? Synthetic, petroleum, etc. NA
Additives to be used in drilling medium? Water, Soap, KCI
Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. NA
-If left in pit and plan to solidify what medium will be used? (cement, lime, sawdust) NA
-Landfill or offsite name/permit number?
Permittee shall provide written notice to the Office of Oil and Gas of any load of drill cuttings or associated waste rejected at any West Virginia solid waste facility. The notice shall be provided within 24 hours of rejection and the permittee shall also disclose where it was properly disposed.
I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on August 1, 2005, by the Office of Oil and Gas of the West Virginia Department of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations of any term or condition of the general permit and/or other applicable law or regulation can lead to enforcement action.  I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments thereto and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that the penaltic and penaltics for submitting false information, including the possibility of fine or imprisonment.
Company Official Signature Diane White JUN 1 5 2018
Company Official (Typed Name) Diane White WV Department of Environmental Protection
Company Official Title Agent
Subscribed and sworn before me this 7th day of June , 20 18  OFFICIAL SEAL Notably Tarthicus LIC STATE OF WEST VIRGINIA  My commission expires 30, 2022 FANNIE M. GAUTHIER HG Energy, LLC 5280 Dupont Road Parkersburg, West Virginia 28101 Parkersburg, West Virginia 28101

Form WW-9			Operator's	Well No. SB Kinkead 109
HG Energy, LLC				
Proposed Revegetation Treatm	nent: Acres Disturbed	.5	Prevegetation j	рН
Lime 3	Tons/acre or to corre	ct to pH _	6.5	•
Fertilizer type 10-20	)-20			
Fertilizer amount	500	lbs/s	ıcre	
Mulch Straw	2	_Tons/acr	e	
		Seed I	<u> Aixtures</u>	
Temporary		Permanent		
Seed Type	lbs/acre	•	Seed Type	lbs/acre
Tall Fescue	40		Tall Fescue	40
Ladino Clover	5		Ladino Clover	5
provided)  Photocopied section of involve  Plan Approved by:	ed 7.5' topographic sheet.			
Comments:				
			· · · · · · · · · · · · · · · · · · ·	
	$\overline{}$			·
		2	$\rightarrow$	RECEIVED Office of Oil and Gas
	1970			JUN 1 5 2018
. •				WV Department of Environmental Protection
Title: 006-Inspe	eder		Date: 6-13-18	
Field Reviewed?	Yes (		) No	



