

#### west virginia department of environmental protection

Office of Oil and Gas 601 57th Street SE Charleston, WV 25304 (304) 926-0450 (304) 926-0452 fax Earl Ray Tomblin, Governor Randy C. Huffman, Cabinet Secretary www.dep.wv.gov

June 17, 2013

#### WELL WORK PERMIT

#### Secondary Recovery Well

This permit, API Well Number: 47-4303458, issued to HG ENERGY, LLC, 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 all 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 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.

In addition to the applicable requirements of this permit, and the statutes and rules governing oil and gas activity in WV, this permit may contain specific conditions which must be followed. Permit conditions are attached to this cover letter.

Per 35CSR-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 feet free to contact me at (304) 926-0499 ext. 1654.

James Martin Chief

Operator's Well No: J.A. FOWLER NO. 110 Farm Name: MCCLURE, ANDY J. & REBECCA API Well Number: 47-4303458 Permit Type: Secondary Recovery Well Date Issued: 06/17/2013

Promoting a healthy environment.

06/21/2013

# **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</u> permit conditions may result in enforcement action.

## CONDITIONS

- 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 within 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 20 mil thickness synthetic liner.
- 5. No land application of pit fluids.

4303458

WW-3B
10/07



1) Date		ł				
2) Operator's Well	No.	Vo. J. A. Fowler No. 110				
3) API Well No.	47	-	043		10000	
	State		County		Permit	
4) UIC Permit No.		τ	ЛC2R0430	1AP		

#### 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 TYPE:	Liquid	Injection	X	Gas Inje	ection (not	stora	ge)	Wast	e Disposal		
6)	LOCATION:	Elevation	1013'			Watersh	ed	Porte	Fork			
	Distric	et	Duval	Count	У	Lincoln	-		Quadrangle	e Grif	fithsvil	e 7.5'
7)	WELL OPERATOR:	HG Energ	y, LLC	494497948	3 1	8) DESIGI	NATE	AGENT		Mike Kirsc	h	
		5260 Dup	ont Road		-				-	5260 Dupor	nt Road	
		Parkersbu	arg, WV 2610	01.	_					Parkersbur	and the second second second	6101
9)	OIL & GAS INSPECT	OR TO BE I	NOTIFIED:			10) DRILI	ING (	CONTRA	CTOR:			
	Nam	e Ralph Trij	plett					Nam				
	Addres	s 5539 McC						Addres	s			
		Branchlar	nd, WV 25506	6	2						_	
11)	PROPOSED WELL W	ORK:	Drill 2	x	Drill De	eeper		Redri	1	Stimulate	X	
			Plug Of	ff Old Formation	n	Per	forate	New Form	nation		Convert	
			Other Phy	vsical Change in	Well (spe	ecify)						-
12)	Geological target form	nation	Bei	rea	1	Depth		2,620	Ft. (Top) to		2,641	Ft. (Bottom)
13)	Estimated depth of co	mpleted wel	l (or actual d	lepth of existing	well)	274	1'			Ft.	-	
14)	Approximate water st	rata depths:	Fre	esh	400	Ft.			Salt	1,10	5	Ft.
15)	Approximate coal sear	n depths:	_	450		Ft.						
16)	Is coal being mined in	the area?	-	Yes		-	х	No				*
17)	Virgin reservoir press	ure in target	formation:			1,250	1	psig.	Source		Estima	ted
18)	Estimated reservoir fr	acture press	sure:			2,650		psig.				
19)	MAXIMUM PROPOSI	ED INJECT	ION OPERA	TIONS: Vo	lume per	hour 2	5 BBL		Bottom Hole	Pressure	2	,400 psi
20)	DETAILED IDENTIFY and other chemicals as							DITIVES	Fresh wa	ter, produc	ed wate	r, bactericide
21)	FILTERS (IF ANY)	(	Cartridge filt	ers and/or coal l	bed filters	3						
22)	SPECIFICATION FOR	R CATHODI	C PROTECI	TION AND OTH	IER COR	ROSION	CONT	ROL				
23)	CASING AND TUBIN	G PROGRA	M									
CAS	ING OR	SPECIFI	ICATIONS		FOOTAC	E INTER	VALS		CEMENT	FILLUP	P	ACKERS

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	5	~			

TUBING TYPE	Size	Grade	Weight	New	Used	For Drilling	Left in V	Vell OR SACKS (CU. FT.	
Conductor									Kinds
Fresh Water	7"	L.S.	17#	X		550'	550'	Cement to Surface	Tension
Coal								and the second second	Sizes
Intermediate	L								2.375" x 4.5"
Production	4 1/2"	J-55	10.5#	Х		2741'	2741'	150 sacks	Depths Set
Tubing	2 3/8"	J-55	4.6#	Х		2450'	2450'		2350'
Liners							1		Perforations
									Top Bottom
								Fiece	Ved
24) APPLICANT	S OPERA	TING RIG	HTS were	acqui	ed from	Free	hold Company	Office of C	ii & Gas
by Deed		Lease	Х	Ot	her Cont	tract	Dated	February 12, 1973	of record in the
		Lincoln		Count	y Clerk's	Office in		Book 35 at Page	225

06/21/2013

430345

WW-3A	
10/07	



) Date	e:		April 23, 2	2013	
2) Ope	rator's We	11 No.	J. A. Fowl	er No. 1	10
B) API	Well No.	47	043	•	
		State	County	1.007	Permit
I) UIC	Permit N	о.	UIC2R043	BO1AP	

#### 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)	Surface Owner	(s) To Be Served	1	7 (a)	Coal Operator	c.	
	(a) Name	Andy & Rebecca McClure	V		Name	NA	-
	Address	109 Coon Whistle Hollow			Address		
		Yawkey, WV 25573					
	(b) Name			7 (b)	Coal Owner(s	s) With Declaration Of Record	
	Address				Name	NA	
					Address		24
	(c) Name						
	Address				Name		
					Address		_
~		Dalah Mulalatt		-	0.11	"1 D. 1	
6)	Inspector	Ralph Triplett		7(c)	Coal Lessee w	/ith Declaration Of Record	
	Address	5539 McClellan Hwy				NA	_
		Branchland, WV 25506					
	Telephone	389-0350					

TO THE PERSON(S) NAMED ABOVE: You should have received this form and the following documents:

- (1) The Application for a Liquid Injection or Waste Disposal Well Work Permit on Form WW-3(B), which sets out the parties involved in the drilling or other work;
- (2) The plat (surveyor's map) showing the well location on Form WW-6; and
- (3) The Construction and Reclamation Plan on Form WW-9 (unless the well work is only to plug a well), which sets out the plan for erosion and sediment control and for reclamation for the site and access road.

The date proposed for the first injection or waste disposal is To be determined

THE REASON YOU RECEIVED THESE DOCUMENTS IS THAT YOU HAVE RIGHTS REGARDING THE APPLICATION WHICH ARE SUMMARIZED IN THE "INSTRUCTIONS" ON FORM WW-3(A) DESIGNATED TO YOU. HOWEVER YOU ARE NOT REQUIRED TO TAKE ANY ACTION AT ALL.

Take notice that under Chapter 22-6 of the West Virginia Code, the undersigned well operator proposes to file or has filed this Notice and Application and accompanying documents for a Well Work Permit with the Chief of the Office of Oil and Gas, West Virginia Department of Environmental Protection, with respect to a well at the location described on the attached Application and depicted on the attached Form WW-6, Copies of this Notice, the Application, the plat, and the Construction and Reclamation Plan have been mailed by registered or certified mail or delivered by hand to the person(s) named above (or by publication in certain circumstances) on or before the day of the mailing or delivery to the Chief.

The person signing this document shall make the following certification:

"I certify under penalty of law that I have personally examined and am	Well Operator	HG Energy, LLC
familiar with the information submitted in this document and all attachments	Address	5260 Dupont Road
and that, based on my inquiry of those individuals immediately responsible		Parkersburg, WV 26101
for obtaining the information, I believe that the information is true, accurate		Participation and second second
and complete. I am aware that there are significant penalties for submitting	By:	Diane C. White
false information, including the possibility of fine and imprisonment."	Its:	Accountant
		Office of Off & Gas
	Signature	Diane Cubite

Oil and Gas Privacy Notice

The Office of Oil and Gas processes your personal information, such as name, address and phone number, as a part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the 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 of your personal information, please contact DEP's Chief Privacy Officer at: depprivacyofficer@wv.gov

m	U.S. Postal Service CERTIFIED MAIL (Domestic Mail Only; No Insu	
9063	For delivery information visit our	website at www.usps.com <sub>®</sub>
г-	OFFICI	AL USE
בקבם מסטו, אבלי	Postage \$ 1, 5. Certified Fee 3, 10 Return Receipt Fee 2, 55 Restricted Delivery Fee (Endorsement Required) Total Postage & Fees \$ 2.17	Postmark Here
2012	or PO Box No. 109 Coor	Rebecca McClure Whistle Hollow WV Z5573 See Reverse for Instructions

N

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Received Office of Oil & Gas

MAY - 8 2013

4303458

WW-2B1

Well No. J. A. Fowler No. 110

### West Virginia Department of Environmental Protection Office of Oil and Gas

#### NOTICE TO SURFACE OWNERS

The well operator named below is preparing to file for a permit from the state to drill a new well. Before a well work permit can be filed with the Chief of the Office of Oil and Gas, the well operator is required to have given notice of the right to request water well or spring analytical testing. This notice shall be given to the owners or occupants of land which have a water well or spring being utilized for human consumption, domestic animals, or other general use and which is located within 1000 feet of the proposed well site.

With this form, the operator is giving you notice of your right to request analytical testing, The operator is required to sample and analyze the water wells or springs of all owners or occupants who request it. Therefore if you wish to have your water well or spring tested, contact the operator named below.

All sampling shall be completed prior to drilling. Within thirty (30) days of the receipt of such sample analyses the operator shall submit the results to the Chief of the Office of Oil and Gas and to the owners or occupants who may have requested them.

If no water well or spring is located within 1000 feet, the Chief may require the operator to sample and analyze water from a water well or spring within 2000 feet of the proposed well site.

Be advised, you have the right to sample and analyze any water supply at your own expense.

The laboratory used by the operator to analyze the samples will be approved by the Chief. The operator named below has decided to use the following laboratory to analyze the water samples:

X Contractor Name Sturm Environmental Services Well operator's private laboratory

Well Operator	HG Energy, LLC	_
Address	5260 Dupont Road	
	Parkersburg, WV 26101	
Telephone	304-420-1119	

FOR OPERATOR'S USE ONLY: Below, or on an attached page, list those persons which were given this notice. Place an asterisk beside the one(s) that contacted you and requested sampling and analyses. If there were no requests made, indicate by underlining which one you have selected to sample and analyze. If there are no water wells or springs within 1000 feet of the proposed site please indicate such.

> Received Office of Oil & Gas

Special Note:

Water sampling was completed through out the Griffithsville area for the UIC permit review late in 2012. Per Jamie Peterson, WVDEP, the timing of that large UIC sampling was sufficent for this Griffithsville project.

Form WW-9 Rev. 10/94

 Page
 3
 of
 3

 API Number 47 043

 Operator's Well No.
 J. A. Fowler No. 110

03458

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

## CONSTRUCTION AND RECLAMATION PLAN AND SITE REGISTRATION APPLICATION FORM GENERAL PERMIT FOR OIL AND GAS PIT WASTE DISCHARGE

Operator -	HG Energ	y, LLC					OP Code	49449794	48
Watershed _	Porter For	k			Qu	adrangle	Griff	ithsville 7.5'	385
Elevation	1013'	County	Lincoln	43		District		Duval	02
Description of	f anticipated Pit Waste:	Fluids encountered	d in drilling sl	hallow w	vell.	,	•		
Do you anticip	pate more than 5,000 bbls	of water to complete t	he proposed we	ll worl	Yes		No	X	
Will a synthet	tic liner be used in pit?	Yes If:	so, what mil.?	10	) Mil.	20	Mir.		
Proposed Disp	posal Method For Treated	Pit Wastes:							
	-X- Land Applic								
	Undergroun	d Injection (UIC Perm	it Number						1
-	Reuse (at A		-						<u> </u>
	Off Site Dis	posal (Supply Form W	W-9 for disposa	1 location	n)				/
_	Other	(Explain							)
Drilling mediu	um anticipated for this we	11? Air, fresh water, oi	l based, etc.	Air, Fi	resh V	Vater			
-	If oilbased, what type? S	ynthetic, petroleum, e	tc. N	JA					
Additives to be	e used? Water, So	ap, KCI			-				
Drill cuttings a	disposal method? Leave i	n pit, landfill, removed	l offsite, etc.						
-	If left in pit and plan to s Landfill or offsite name/p	olidify, what medium		ement, li	ime, sa	wdust	Native so	il, cement, lin	10

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

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

Company Official Signature	Diane C. White Diane C. White			
Company Official (Typed Name)				
Company Official Title	Accountant			
Subscribed and sworn before me this	23 day of Opril, 2013 Office of Oil & Gi	as		
	Mer 2120 Notary Public			
My commission expires	NOV 12, 2018 MAY - 8 2013	-		
Form WW-9	OFFICIAL SEAL	3		
	NOTARY PUBLIC STATE OF WEST VIRGINIA TINA L. PETHTEL HG Energy, LLC 5260 Dupont Road Parkersburg Word Virginia	06/21/2013		

My Commission Expires Nov: 12, 2018

		j	Legend		
Property Boundary			Diversion		111
Road	=======================================	:=	Spring		>
Existing Fence	—x—x—x—	!	Wet Spot	Ċ,	
Planned Fence	////·		Drain Pipe	12	>
Stream .		-7	Waterway	$\overleftarrow{\leftarrow} \rightarrow \overleftarrow{\leftarrow} \rightarrow$	$\leftrightarrow$
Open Ditch	~ ~	~	Cross Drain	<u></u>	
Rock	<i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i> <i>SS</i>		Filter Strip	XXXXXXXX	XXX
-	-0-		Pit: Cut Walls	Curry Charles	
North	N		Dia Gammanta d	min	
Buildings			Pit: Compacted Fill Walls		
Water Wells	Ŵ		Area of Land		$\geq$
Drill Site	$\oplus$		Application of Pit Waste		
					لىـــــ
N		Area I			
Proposed Revegetation Treatme	ent: Acres DisturbedA		.0 Ac. Pre	evegetation pH	
•		Area II	<b>.</b>		
	A	Approx. 1	.0 Ac.		
Lime		cre or Correc			
	er (10-20-20 or Equivalent) Straw 2	500 Tons/Acre	Lbs./Acre (500 l	lbs. Minimum)	
Mulch					
	SE	ED MIXTU	JRES		
Area	I (Location)		-	Area II (Road)	
Seed Type	Lbs/Ac.		Seed Type Tall Fescue	Lbs/A 40	.C.
Tall Fescue40Ladino Clover5			Ladino Clover	5	
e en seemen ( ) de la companya de la		· · · · · · · · · · · · · · · · · · ·			
		•			
Attach: Drawing(s) of road, location, p	it and proposed area for land app	plication			
Photocopied section of involve	d 7.5' topographic sheet.				
.0	a D M . Mr				
Plan approved by: <u>Pee</u>	of A Truplate		<u> </u>	Received	
Comments:		Office of Oil & Cas			
Title: District Inspector			Date: 7100 62, 20 MAI / 2013	/3	
Field Reviewed?			( )	MAT 7 8 2013 ' No	
LICIT IZCAICMERT					
		•			
		•			06/21/2
grana menena se de Salfonsa en en se		•ເອ			00,21,2

WW9-Back

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4303458 684 SUBJECT WELL Fork J.A. Fowler No.110 Bear Black Çem 000 800 BA 68 677 Fork Cem FLE 0 900 Yawkey 110 BM Compressor Sta 69 Griffith 900 Cem Parker Oil Well .700 Qil Wells Griffith Cem Well 800 312 Well 10000 IRELINE Oil Wells Section of Griffithsville 7.5' Quadrangle 100 SCALE 1"=10006/21/2013



4303458



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

CK# 2173 \$65000

April 23, 2013

Mr. James Peterson WVDEP Division of Oil & Gas 601 57<sup>th</sup> Street Charleston, West Virginia 25304

RE: J. A. Fowler No. 110 Duval District, Lincoln County West Virginia

Dear Mr. Peterson:

Enclosed are Forms WW-3A, WW-3B, WW-9, WW-3(B1), Mylar of plat, reclamation plan, topo map and copies of the certified mailing receipts for a permit to drill a liquid injection well. Also enclosed is our check in the amount of \$650.00 to cover the associated permit fees.

Very truly yours,

Diane C White

Diane C. White

Enclosures

Received Office of Oil & Gas

cc: Andy & Rebecca McClure - Certified Ralph Triplett – Inspector MAY - 8 2013

4303458



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

Roger Heldman General Manager, WV Operations

6/11/13

Jeff McLaughlin WV DEP Office of Oil & Gas 601 57<sup>th</sup> Street, SE Charleston, WV 25304-2345

Received Office of Oil & Get

JUN 11 2013

RE: Griffithsville Unit No. 1 pit fluid disposal

Dear Jeff,

As a follow up of our meeting of June 6<sup>th</sup> please consider this letter as reaffirmation of H G Energy's intent to dispose of fluids encountered while drilling the planned Berea wells in our Griffithsville Unit No. 1 offsite. A portion of the fluids will be reused in the drilling of subsequent wells and the remainder hauled to a UIC approved disposal well. H G Energy trusts that this method of fluid disposal will alleviate any concerns the WV DEP may have concerning the disposal of these fluids. The drill cutting would be disposed of on site.

If you should have any other questions or concerns please feel free to call.

Very truly yours,

Roger Heldman

Cc: Andy & Rebecca McClure 109 Coon Whistle Hollow Yawkey, WV 25573

06/21/2013

