

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

August 27, 2013

WELL WORK PERMIT

Secondary Recovery Well

This permit, API Well Number: 47-3305761, 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 feel free to contact me at (304) 926-0499 ext. 1654.

James Martin

Chief

Operator's Well No: J.M. FULTZ #142

Farm Name: MYERS, EDGAR LEE JR.

API Well Number: 47-3305761

Permit Type: Secondary Recovery Well

Date Issued: 08/27/2013

Promoting a healthy environment.

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 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 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.

WW-3B 10/07



1) Date		N	May 21, 20	013	
2) Operator's Well	No.	J	. M. Fulta	z No. 142	
3) API Well No.	47		033		
	State		County		Permit
4) UIC Permit No.		Ţ	ЛC2R033	01AP	

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

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Ft. (Bottom)
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2 2 2 2 3

WW-3A 10/07



1) Date:		May 21, 20	013		
2) Operator's We	ll No.	J. M. Fult	z No. 14	12	
3) API Well No.	47	033	•		
	State	County		Permit	
4) UIC Permit N	0.	UIC2R033	301AP		

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

Check#2222
Check
\$ 650,00

Surface Owner	(s) To Be Served		7 (a) Coal Operato	r	
(a) Name	Earl & Belva Junkins		Name	NA	
Address	RR 5, Box 1226		Address		
	Salem, WV 26426	/			
(b) Name	Edgar Lee Myers	V	7 (b) Coal Owner	(s) With Declaration Of Record	
Address	RR 4, Box 532		Name	NA	
	Salem, WV 26426	1	Address		
(c) Name	Brian V. Huffman	V			
Address	RR 4, Box 530		Name		
_	Salem, WV 26426		Address		
-	Salem, WV 26426		B 4 1 2 1		
3) Inspector	Sam Ward		7(c) Coal Lessee	With Declaration Of Record	/
Address	P. O. Box 2327			Wolf Run Mining Co.	
_	Buckhannon, WV 26201			2708 Cranberry Square	
Telephone	389-7583			Morgantown, WV 26505	
				2 1 1 0 11 1 1	

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 familiar with the information submitted in this document 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
Address
HG Energy, LLC

5260 Dupont Road Received
Parkersburg, WWi26101 Oil & Co

By: Diane C. White Accountant Accountant

Signature

Diane CWhite

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

Form WW-9 Rev. 10/94

	Page	3	of	3
API N	umber 47-	033		
Operator's Well No.	J. M. F	ultz N	o. 142	

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	gy, LLC		0:	OP Code 494497948		
Watershed	Branch of	Lick Run		Quadrangle	Salem 7.5'		
Elevation	1342'	County	Harrison	District	Tenmile	9	
Description of a	nticipated Pit Waste:	Fluids enco	ountered in drilling shall	ow well.			
Do you anticipa	te more than 5,000 bbl	s of water to co	mplete the proposed well w	orl Yes	No X		
Will a synthetic	liner be used in pit?	Yes	If so, what mil.?	10 Mil. 20	MIL.		
Proposed Dispo	sal Method For Treated	l Pit Wastes:				CDW)	
_	X Land Appli					SPa 5123	
_			IC Permit Number) 31	
-		API Number	Farm WW 0 for diamonal los	ation)	
-	Other	Explain	Form WW-9 for disposal loc	ation))	
D.:::			water eilbesed etc. Ai	r, Fresh Water			
	n anticipated for this w f oilbased, what type?			r, Fresh water		-	
Additives to be		Soap, KCI				-	
	sposal method? Leave		removed offsite, etc.				
- I	f left in pit and plan to	solidify, what	medium will be used? Ceme	ent, lime, sawdust N	lative soil, cement, li	me	
- I	andfill or offsite name.	/permit number	:?				
I of this application for obtaining th	form and all attachme e information, I believe	Plaw that I have nts thereto and that the inform	e personally examined and that, based on my inquiry nation is true, accurate and the possibility of fine or imp	of those individuals in complete. I am awar risonment.	nmediately responsible	е	
Company Offic	cial Signature	-	Diane CL	Shite		Received	
Company Offic	cial (Typed Name)		Diane C. White	and the same	Offic	e of Oil & Gas	
Company Offic	cial Title		Accountant	100			
						NY 2 7 2013	
					(0.1		
Subscribed an	d sworn before me th	is 20	day of Mai	2012			
10,100,000,000		1 1 5					
	Tinas	I Pot		1	Notary Public	- 4	
	. 1	מ כו לת	CZV				
My commission	n expires / 12	102/0	U S		ICIAL SEAL	-	
Form WW-9			100	17-1	ARY PUBLIC WEST VIRGINIA		
				TINA	L. PETHTEL nergy, LLC		
			1//	52601	Dupont Road:		
3					West Virginia 26101 Expires Nov. 12, 2018		

Legend

Property Boundary	AAAA	Diversion	11111111111				
Road.	==================================	Spring	○>				
Existing Fence	X	Wet Spot	*				
_	_//_	Drain Pipe					
Planned Fence		Waterway	\Leftrightarrow \Leftrightarrow \Leftrightarrow				
Stream	\ \-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\	Cross Drain	711111111111				
Open Ditch		Filter Strip	XXXXXXXXXX				
Rock	9000 0000	Pit: Cut Walls	Cum				
	NT						
North	N	Pit: Compacted Fill Walls					
Buildings			77777				
Water Wells	(W)	Area of Land Application					
Drill Site	+	of Pit Waste					
		•					
100	Area	I					
Proposed Revegetation Treatn	nent: Acres Disturbed Approx.	1.0 Ac. Pre	evegetation pH				
	Area	II 1.0 Ac.					
•	Approx.	1.0 Ac.					
Lime 2 Tons/Acre or Correct to pH 6.5							
Fertilizer (10-20-20 or Equivalent) 500 Lbs./Acre (500 lbs. Minimum)							
Mulch	Straw 2 Tons/Act	re					
	SEED MIX	TURES					
A	Y (Y anadism)		Area II (Road)				
	Lbs/Ac.	Seed Type	Lbs/Ac.				
Seed Type Tali Fescue	40	Tall Fescue	40				
Ladino Clover	5	Ladino Clover	5				
Attach: Drawing(s) of road, location,	pit and proposed area for land application	ı					
Photocopied section of involved 7.5' topographic sheet.							
Plan approved by: Selectional							
Comments: Pre-send + Mules. Upgrade Ed Sac necessary PerWVDEP Ed S Manuel							
Title: At	14 Gas Juspector		Date: 5/23 /2013				
plantine in	kan kanadalah dian kanan dianggan kanan kana	()	No				
Field Reviewed?	Only Town Take		410				
	TO BE SENTENCE OF THE SENTENCE						





