

### 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

July 09, 2013

### WELL WORK PERMIT

#### **Vertical Well**

This permit, API Well Number: 47-3305777, 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 Martir

Chief

Operator's Well No: W.F. WILLIAMS NO. 239

Farm Name: HUFFMAN, BRIAN V.

API Well Number: 47-3305777

Permit Type: Vertical Well

Date Issued: 07/09/2013

### **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. Failure to adhere to the specified permit conditions may result in enforcement action.

#### **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 20 mil thickness synthetic liner.

Page	3	of	4

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

1)	Well Operat	tor: HO	Energy, LLC					
2)	Operator's V	Vell Number:	W. F. 	Williams <del>Iaplain</del> No. 23	39	3) Elevat	tion 1154'	
4)	Well Type:	(a) Oil	X or	Gas		<del></del>		<del></del>
		(b) If Gas:	Pro	duction	Underg	round Storage		
5)	Proposed Ta	erget Formati	on(s):	Fifth Sand				
6)	Proposed To	otal Depth:	2875' TVD 307	s' TMD ft.				<del></del>
7)	Approximate	e fresh water	strata depths:		60!	·		. •
8)	Approximate	e salt water d	epths:		1255'			-
9)	Approximate	e coal seam d	epths:		430'			_
10)	Does land co	ontain coal se	ams tributary	to active mine	e? Yes	s N	oX	_
11)	Proposed W	ell Work:	Drill and	stimulate produ	ction well in Fifth S	and, well to be drill	ed directionally S 57° E 39	05'
12)			<u>CA</u> :	SING AND T	UBING PROGRA	<u>AM</u>		
TYPE	<u> </u>	SP	ECIFICATION	NS	FOOTAGE	INTERVALS	CEMENT	_
		Size	Grade	Weight Per Ft.	For Drilling	Left in Well	Fill-up (Cu. Ft.)	< D
Condu	uctor							- SD - 5123
Fresh	Water	7"	LS	17#	505'	505'	Cement to surface	- 512
Coal								_
Intern	nediate							_
Produ	ction	4 1/2"	J-55	10.5#	3075'	3075'	150 Sacks CIS	<del>-</del>
Tubin,	g							
Liners	· .		·					
Packe	rs: Kind Sizes Depths s	et						- -
			For Office	ce of Oil and (	Gas Use Only			-
Fe	ee(s) Paid		Well Work P		<u>_</u>	lamation Fund	WPCP	
Pl	lat	WW-9	ww	/-2B	Bond		Received Office of Agent G	as
		•				(Type)		

JUN 1 9 2013

Page 1 of	4
Form WW2-A	
(10/10)	
5/ 555	Copy

1)	Date:	May 22, 20	1-1-			
2)	Operator's W	ell Number				
	W. F. Wi	lliams No. 23	9			
3)	API Well No	: 47	-	033	-	
		State		County		Permit

### STATE OF WEST VIRGINIA - BUREAU OF ENVIRONMENT DIVISION OF ENVIRONMENTAL PROTECTION OFFICE OF OIL AND GAS

		NOTICE AND APPLICA	TION F	OR A WE	LL WORK PER	MIT	
4)	Surface	owner(s) to be served:	5)	(a)	Coal Operator:		
4)	(a) Name	Edith Jean Myers	3)	Name	NT A		
	Address	RR 4, Box 534		Address			
	- Tudicss	Salem, WV 26426	•				
	(b) Name	Edgar Lee Myers		(b) Coa	Owner(s) with I	Declaration	
	Address	RR 4, Box 532		Name			
	Test (1981) (1981) (1981)	Salem, WV 26426		Address			
	(c) Name	Brian V. Huffman					
	Address	RR 4, Box 530	•* 	Name			
	_	Salem, WV 26426		Address			
	S. <del></del>		-				_
6)	Inspector	Sam Ward	_		Lessee with Dec		
	Address	P.O. Box 2327	-	Name	Wolf Run M		
		Buckhannon, WV 26201		Address		erry Square	<del></del>
	Telephone	(304) - 389-7583	-		Morgantow	n, WV 26505	
		TO THE PERSON(S) NAMED A	BOVE	TAKE N	OTICE THAT:		
		Included is the lease or leases or other	r continu	uing contr	act or contracts b	v which I hold	
		the right to extract oil and gas OR		umg comm	ict of contracts o	,	
	X	Included is the information required by		ter 22, Art	icle 6, Section 8(	d) of the Code	
		of West Virginia (see page 2)					
	Lerr	tify that as required under Chapter 22 o	f the We	est Virgini	a Code I have ser	rved copies	
	of th	is notice and application, a location pla	t, and ac	companyi	ng documents pa	ges 1 through 4	
		e above-named parties, by:					
	5.7	Personal Service (Affidavit attached)					
	X	Certified Mail (Postmarked postal rec	eipt atta	ched)			
		Publication (Notice of Publication atta	ched)				
			120.00	D 11 10	d T to the	towns and conditions	
	I hav	re read and understand Chapter 22-6 an	d 38 CS	SR 11-18, a	and I agree to the	terms and conditions	
of a	any permit	issued under this application. tify under penalty of law that I have per	conally	evamined	and am familiar	with the information submitte	d
on	l cer this applic	ation form and all attachments, and that	based o	on my inai	iry of those indiv	viduals immediately responsib	ole
for	obtaining	the information. I believe that the infor	mation i	s true, acc	urate, and compl	ete.	
101	I am	aware that there are significant penaltic	es for su	ıbmitting f	alse information,	including the possibility of	
fin	e and impr						
			Well C	Operator	HG Energy, LL	C	
			By:		Diane C W	hite	
			Its:		Accountant		
			Addres	0.0	5260 Dupo		
			Addres			g, WV 26101	<del></del>
			m 1 1				Received
			Teleph	ione	(304) 420-	1119	Office of Oil & Gas
Su	bscribed ar	nd sworn before me this 22 day of	m:	24 20	13		
		T. 7 0-1/02		)		Notary Public	JIIN 1 9 2013
7.6		n aurinos	10				JUN 1 9 2013
My	commisio	on expires / lov / ) to	IX		WILLIAM E C.	OFFICIAL SEAL	
					Kol . T. E.	NOTARY PUBLIC STATE OF WEST VIRGINIA	
					日本公司	TINA L PETHTEL	
						HG-Energy, LLC 5260 Dupont Road arkersburg, West Virginia 26101 Commission Expires Nov. 12, 2018	
					P	arkersburg, West Virginia 26101	
					My	Commission Expires Nov. 12, 2018	N. Committee of the Com

Operator's Well No. W. F. Williams No. 239	Operator's Well No.	W. F. Williams No. 239	
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## INFORMATION SUPPLIED UNDER WEST VIRGINIA CODE Chapter 22, Article 6, Section 8(d) 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:

Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book/Page
Josephine K. Myers	Pennzoil Products Company	1/8	1248/928

Merger and Conveyance dated July 3, 1963, from South Penn Oil Company to Penzoil Company, Kanawha County, Book 153, Page 35,

Assignment, Conveyance and Bill of Sale dated December 28, 1998, from Pennzoil Company to Pennz Energy Exploration and Production, Wetzel County, Book 12, Page 177.

Certificate of Merger filed with the WV Secretary of State, December 31, 1999, whereby Pennz Energy Exploration and Production, successor in interest to; to Penzoil Company, merged with Devon Energy Production Company, LP, Wetzel County, Book 12, Page 278.

Deed, Assignment and Bill of Sale dated June 1, 2000, from Devon Energy Production Company, LP to East Resources, Inc., recorded in Wetzel County, Book 370, Page 580.

Assignment, Conveyance and Bill of Sale, dated January 1, 2011, from East Resources, Inc., to HG Energy, LLC, Wetzel County, Book 118A, Page 253.

Upon information and belief, Operator's lease and/or other real property rights permit it to conduct drilling operations for the subject well in the location shown on the plat, including the use of access roads, pipelines and utilities.

### 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 ackowledges 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 US Fish and Wildlife Service County Floodplain Coordinator

Received Office of Oil & Gas

JUN 1 9 2013

Well Operator:	HG Energy, LLC	
By:	Diane C. White	Diane CWhite
Its:	Accountant	

FORM WW2-B1

W. F. Williams No. 239

### West Virginia Division 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:

Sturm Environmental Services
private laboratory
HG Energy, LLC
5260 Dupont Road
Parkersburg, WV 26101
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 indicates such.

Wayne & Beatrice England RR 5, Box 960 Salem, WV 26426

RR 4, Box 492 Salem, WV 26426

Ronald E. & Naomi J. Myers

Richard L. & Kerry E. Kesling RR 1, Box 24-D Wolf Summit, WV 26462

Michael E. Hostutler RR 4, Box 504 Salem, WV 26426 Frances J. Hostutler RR 4, Box 506 Salem, WV 26426 Received Office of Oil & Gas

JHT 1 3 2013

Form WW-9 Rev. 10/10

	Page	3	$\mathbf{of}$	3
API I	Number 47-	033		
Operator's Well No.	W. F. W	illiams	No. 239	

## 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 E	nergy, LLC					OP Code 49449	07948
Watershed -		ch of Lick Run				Quadrangle	Salem 7.5'	596
Elevation	1154'	Co	unty	Harrison	33	District	Ten Mile	09
	of anticipated Pit Wa	aste: Fluids encour	ntered in di	rilling shallow well.				N. O.
Do you antici		00 bbls of water to co		proposed well work?  If so, what mil.?	10	Yes ZOM	No X	
	posal Method For T	And the second second second second	100					
		Application						
	Under	ground Injection (U	C Permit N	Number			Alk	) (10)
		(at API Number						)
	Off Si		Form WW-9	for disposal location			rig .	)
Drilling med	ium anticipated for	this well? Air, fresh	water, oil l	pased, etc.	Air, F	resh Water		-
	- If oilbased, what t	ype? Synthetic, petr	oleum, etc.					
Additives to	AND THE RESIDENCE OF THE PARTY	Water, soap,			-			
		Leave in pit, landfill				e in Pit		- Carlotte
				ll be used? Cement, l	ime, sawd	ust	Native soil, cement,	lime
	- Landfill or offsite	name/permit numbe	r?	-				
applicable l this applicat	aw or regulation of I certify under pendion form and all attact the information, I leads to the information of th	can lead to enforce alty of law that I hav achments thereto and believe that the infor	ment acti e personall d that, base mation is t	y examined and am fa d on my inquiry of th rue, accurate and com lity of fine or impriso	amiliar wit ose individ plete. I ar nment.	th the informat duals immediat	ion submitted on ely responsible	
Company C	Official Signature		- ·	Diane Ch	Shite			Walley Be
Company C	Official (Typed Na	ame)		Diane C. White	е			
Company C	Official Title			Accountant				
Subscribed	and sworn before	me this	23	day of	Non	200	Notary Public	Received
My commis Form WW-	ssion expires9	nous :	2018	S	NOTA TATE OF	ICIAL SEAL ARY PUBLIC WEST VIRGI PETHTEL	NIA	Office of Oil & Gr

Form WW-9 Rev. 10/10

	Page	3	of	3
API	Number 47-	033	–	
Operator's Well No.	$\overline{T}$ . J. $\overline{Ch}$	aplain	No. 239	
	WI.F.	Willi	ams 2	39

### 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 Energy, LLC Branch of Lick Run				OP Code 494497948		
Watershed _				Quadrangle	Salem 7.5'	596	
Elevation	1154'	County	Harrison 3	3 District	Ten Mile	09	
Description of	f anticipated Pit Waste:	Fluids encountered in	drilling shallow well.		28.00	29275	
	pate more than 5,000 bbls	of water to complete th	e proposed well work?	Yes	No X		
	tic liner be used in pit?	Yes	If so, what mil.?	10 Mil. 20	MIL.		
Proposed Disp	posal Method For Treated X Land Applic						
-		d Injection (UIC Permit	Number			ent y a	
<del>-</del>	Reuse (at Al					)	
_	Off Site Disp	oosal (Supply Form WW	-9 for disposal location)				
	Other	(Explain				)	
	um anticipated for this w			Air, Fresh Water			
Additives to b	If oilbased, what type? S	Water, soap, KCl	·				
	disposal method? Leave		offsite etc	Leave in Pit			
		100 mm	ill be used? Cement, lime,		Native soil, cement, li	me	
	· Landfill or offsite name/		L. Stock - E		ziativo toti, tomono, ir		
			100000				
issued on Aug that the provi applicable la I	rust 1, 2005, by the Office sions of the permit are en aw or regulation can lea certify under penalty of l	of Oil and Gas of the We forceable by law. Violati ad to enforcement act aw that I have personal	ly examined and am famili	Environmental Pro on of the general per ar with the informa	tection. I understand mit and/or other tion submitted on	4	
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Road		Spring	Q	~			
Existing Fence	xx	Wet Spot	. **				
Planned Fence	—/——/—	Drain Pipe		<del>&gt;</del>			
Stream		Waterway	$\longleftrightarrow$ $\longleftrightarrow$	<b>→</b> ← →			
Open Ditch	>	Cross Drain	2777777				
Rock	800 S	· Filter Strip	XXXXXX	XXXX			
		Pit: Cut Walls					
North	N		, Julier	,			
: . Buildings		Pit: Compacted Fill Walls		<b>}</b>			
Water Wells	<u> </u>	Area of Land		30 l			
Drill Site		Application					
Dim one	<u> </u>	of Pit Waste					
	m	Area I prox. 1.0 Ac.	Prevegetation pH				
Proposed Revegetation	Treatment: Acres Disturbed Ap	Area II					
	An	prox. 0.1 Ac.					
	· · · · · · · · · · · · · · · · · · ·	1					
		e or Correct to pH	6.5				
	Fertilizer (10-20-20 or Equivalent)	<del></del>	ere (500 lbs. Minimum)				
	Mulch Straw 2 T	ons/Acre		•			
	SEE	D MIXTURES					
	A T (7 continu)		Area II (Road)	•			
Seed Type	Area I (Location) Lbs/Ac.	Seed T		Lbs/Ac.			
Tall Fescue	40	Tall Fe		40			
Ladino Clover	. 5	. Ladino	Clover	<u> </u>			
.1							
Attach:	ocation, pit and proposed area for land app	lication	•				
Photocopied section of	of involved 7.5' topographic sheet.						
		De sood+M	ulch. Upgrade Ets (	as necessary per			
	< 1000 m			• •			
Plan approved by: Dep Ets manual.  Date: 5/23/2013							
Tille	:Thoras Inspector.		Date:	2013			
Field Reviewed	? Yes		No				
•				07/10/20			

Legend

. Property Boundary

Diversion ////////







