

# 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

### PERMIT MODIFICATION APPROVAL

October 10, 2013

HG ENERGY, LLC 5260 DUPONT ROAD PARKERSBURG, WV 26101

Re: Permit Modification Approval for API Number 9502099 , Well #: E. T. PARKS 10 MOVE SURFACE TO EXISTING WELL SITE AND DRILL DIRECTIONALLY TO TARGET

## Oil and Gas Operator:

The Office of Oil and Gas has reviewed the attached permit modification for the above referenced permit. The attached modification has been approved and well work may begin. Please be reminded that the oil and gas inspector is to be notified twenty-four (24) hours before permitted well work is commenced.

Please call James Martin at 304-926-0499, extension 1654 if you have any questions.

Sincerely,

Gene Smith

Regulatory/Compliance Manager

Office of Oil and Gas

WW-3B 10/07



1) Date Se			eptember	16, 2	013
2) Operator's Wel	Well No. E.T. Pa			No. 1	0 - Revised
3) API Well No.	47	-	095		2099
•	State		County		Permit
4) UIC Permit No	٠.	τ	JIC2R095	01AP	

STATE OF WEST VIRGINIA
NOTICE OF LIQUID INJECTION OR WASTE DISPOSAL WELL WORK PERMIT APPLICATION

) WE	ELL TYPE:	Liquid	Injection _	<u> </u>		Gas Injection	(not store	.ge)	Waste	Disposal		طارية .
) LO	CATION:	Elevation	888'			Wat	ershed	McInty				9.16
	District		McElroy		Cou	nty Tyler			Quadrangle	Cen	terpoint	7.5'
WE	ELL OPERATOR:	HG Energ	y, LLC		4944979	48 8) DE	SIGNATE	D AGENT:	M	ike Kirsch	1	
		5260 Dup	ont Road							260 Dupor		
		Parkersbu	arg, WV 20	3101					Pa	arkersbur	g, WV 2	6101
OI	L & GAS INSPECTO	R TO BE	NOTIFIEI	D:		10) D	RILLING	CONTRAC				
		Joe Taylo							To be Determ	ined Upon .	Approval	of Permit
	Address	1478 Clay						Address				
		Ripley, W				<del></del> _					••	
) PR	OPOSED WELL W	ORK:	Drill	080	X d Format	Drill Deeper		Redrill New Form		Stimulate	X Convert	
						in Well (specify)		: New Furm			COUVEL	
. a.		. <b></b>		Gordor	_	Dept		3,077	Ft. (Top) to		3 085	Ft. (Botton
•	cological target form	-				•					0,000	- " (2000).
) Es	timated depth of cor	apleted we						D, 8050' TM				_
) Ap	proximate water str	ata depths	:	Fresh		150	_Ft.		Salt_	950		Ft.
) Ap	proximate coal sean	depths:			615		Ft.					
i) Is	coal being mined in	the area?	_		Y	es	X	No No				
			-									
7) Vi	rgin reservoir pressi	re in targe	t formatio	n:		1,	,250	psig.	Source		Estima	ted
-	rgin reservoir press stimated reservoir fr			n:			,250 .650	psig. psig.	Source_		Estima	ted
8) Es	stimated reservoir fr	acture pres	sure:		)NS·	2,	,650	psig.	_			
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WW-3A 10/07

A



1) Date:		Septembe	r 16, 20	13
2) Operator's We	ll No.	E.T. Park	s No. 10	- Revised
3) API Well No.	47	095		2099
-	State	County	Confidence of the Confidence o	Permit
4) UIC Permit N	o.	UIC2R09	501AP	

### 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	7 (a) Coal Operator	
(a) Name Mary Jean McCoy	Name	NA
Address 5 Camelot MHP	Address	
Fairmont, WV 26554	2011-0-10 miles	
(b) Name	7 (b) Coal Owner(s) W	Vith Declaration Of Record
Address	Name	NA
	Address	
(c) Name		
Address	Name	The state of the s
	Address	
	-	
6) Inspector Joe Taylor	7(c) Coal Lessee With	Declaration Of Record
Address 1478 Claylick Road		NA
Ripley, WV 25271		
Telephone 304-380-7469		
TO THE PERSON(S) NAMED ABOVE: You should have	received this form	n and the following documents:
(1) The Application for a Liquid Injection or Waste Disposal Wo		
sets out the parties involved in the drilling or other work;	en work remit on	101m 11 11 -0(B), 11 men
(2) The plat (surveyor's map) showing the well location on Form	n WW-6: and	
(3) The Construction and Reclamation Plan on Form WW-9 (ur.	less the well work	is only to plug a well),
which sets out the plan for erosion and sediment control an	d for reclamation fo	or the site and access road.
The date proposed for the first injection or waste disposal is		GARDING MUD ADDITION
THE REASON YOU RECEIVED THESE DOCUMENTS IS THAT YOU	HAVE RIGHTS RE	ED TO YOU HOWEVER YOU
WHICH ARE SUMMARIZED IN THE "INSTRUCTIONS" ON FORM V	W-3(A) DESIGNATI	ED TO TOO. HOWEVER TOO
ARE NOT REQUIRED TO TAKE ANY ACTION AT ALL.		
Take notice that under Chapter 22-6 of the $\underline{\text{West Virginia Code}}$ , the undersigned	well operator proposes	to file or has filed this Notice and
Application and accompanying documents for a Well Work Permit with the Chie	f 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 a	has mailed by registered or
WW-6. Copies of this Notice, the Application, the plat, and the Construction and certified mail or delivered by hand to the person(s) named above (or by publications).	on in cartain circumstar	nces) on or before the day of the
mailing or delivery to the Chief.	on in certain encumerar	accept on or person and any or and
maning of delivery to the other		
The person signing this document shall make the	following certification	ii.
	Table Services	
"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 Parkersburg, WV 26101
and that, based on my inquiry of those individuals immediately responsible		Farkersburg, WV 20101
for obtaining the information, I believe that the information is true, accurate 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
,		
		a. a. N.
	Signature	Diane C White
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:

deprivacyofficer@wv.gov





			•
WW-2A Surface Waiver			
	SURFACE OWNER WAIVER		
County Tyler	Operator	HG Energ	ام سد
	Operator well numb	er <u>ET Park</u>	s' 10
INSTRUCTIONS T	O SURFACE OWNERS NAMED	<u>OŅ PAGE WW2-A</u>	
WHERE TO FILE CO	three persons, then these materized or because you actually occup these materials.) See Chapter out own any interest in the surface	als were served on you be by the surface tract. In eith : 22 of the West Virginia ( e tract, please forward thes alor and the Office of Oil a NY COMMENT.	cause your name ler case, you may Code. Well work e materials to the
Chief, Office of Oil and Gas Department of Environmental Protection 601 57th St. SE			
Charleston, WV 25304			
Time Limits and methods for filling comm operator files his Application. You have FIF be filed in person or received in the meil by be sure of the date. Check with your por handling. If you have been contacted by the planned work described in these materia. Comments must be in writime. Ywell operator's name and well number and throm the application. You may add other do.  The Chief has the power to dany or 1) The proposed well work will con 2) The soil erosion and sediment c.  Damage would occur to publicly 4) The proposed well work falls to 5) The applicant has committed a more of the rules promutgated of the you want a copy of the permit request a copy from the Chief.  List of Water Testing Laboratorie to test wourwater to establish water quality.	TEEN (15) DAYS after the filling the Chief's office by the time state of the Chief's office by the time state of the Chief's office by the time state of the chief's office and you have signals, then the permit may be issued als, then the permit may be issued our comments must include your he approximate location of the prometer, such as sketches, maps condition a well work permit hase stifute a hazard to the safety of prontrol plan is not adequate or efferowned lands or resources; protect fresh or resources; substantial violation of a previounder Chapter 22, and has failed that it is issued or a copy of the control of the maintains a list of the control of the planned work described to the planned work described the company	and to his your continents, seed above. You may cell if livery time or to a rrange seed a "voluntary statement et any time. I rame, address and telepoposed well site including of on comments on the folkersons. Proposed well site including of on comments on the folkersons. Proposed well and the folkersons of the folkersons of the order denying the pewater testing laboratories whe order denying the pewater testing laboratories when the folker to obtain a copy. IECTION I that I have received copiliting of pages 1 through proposed well work on mediated and the seed above.	the Chief's office to a pecial expedited of no objection" to thone number, the district and county your comments. wing grounds:  I wicklift of one or the violation of one or the violation"  I milt, you should which you can hire the see of a Notice and including a work your account of the county of the work your accounts.
May Jan McCoy	Date <u>09/23/203</u> Name		
Mary Jon 118 mi	its	• •	Date
Part Name			,
Print Name		Signature	Date
		•	

Well No. E.T. Parks No. 10 - Revised

# 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.

Melba Jean Templeton Fred L. & Dottie Glover Clyde Roy & Shanna R. Glover Stephen Paul Glover Fred Loren Glover, Jr. Timothy R. Riley Allen D. Stackpole	1574 Pleasant Ridge Road HC 62, Box 53 HC 62, Box 53 HC 62, Box 54 HC 62, Box 50 HC 62, Box 47 HC 62, Box 46	Sistersville, WV 26175 Alvy, WV 26322 Alvy, WV 26322 Alvy, WV 26322 Alvy, WV 26322 Jacksonburg, WV 26377 Jacksonburg, WV 26377
Allen D. Stackpole  Kenneth L. & Genieva T. Glover	HC 62, Box 46 HC 62, Box 45	Jacksonburg, WV 26377  Jacksonburg, WV 26377

Form WW-9 Rev. 10/94

	Page	3	of	3
AP	I Number 47-	095	-	2099
Operator's Well No.	E.T. Parks	No. 10	) - Revi	sed

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

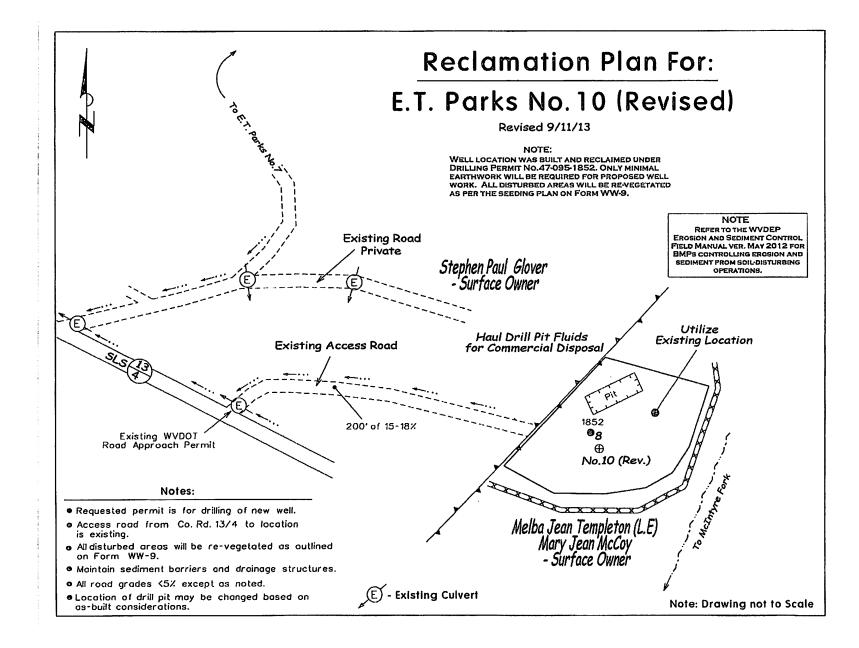
CONSTRUCTION AND RECLAMATION PLAN AND SITE REGISTRATION APPLICATION FORM GENERAL PERMIT FOR OIL AND GAS PIT WASTE DISCHARGE

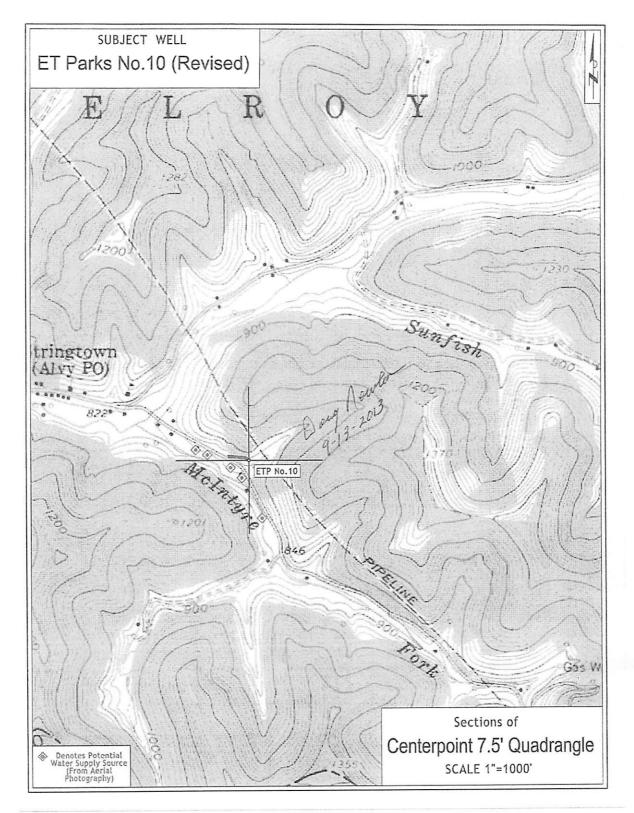
Operator	HG Energ	y, LLC		0	P Code 49449	7948
Watershed	McIntyre	Fork	-	Quadrangle	Centerpoint 7.5	
Elevation	888'	County	Tyler	District	McElroy	
Description (	of anticipated Pit Waste:	Fluids encoun	tered in drilling an	d stimulating existin	g well.	
Do you antic	ipate more than 5,000 bbls	of water to comple	te the proposed well	work Yes	No X	7 NO
Will a synth	etic liner be used in pit?	Yes	If so, what mil.?	20 Mil.		
Proposed Di	sposal Method For Treated	Pit Wastes:			<del></del>	ar
-	Land Appli	cation			ě	1
	Undergrou	nd Injection (UIC I	Permit Number			. )
	Reuse (at A	API Number				)
	Off Site Di	sposal (Supply For	n WW-9 for disposal	location)		
	Other	(Explain				<u> </u>
Drilling med	lium anticipated for this w	ell? Air, fresh wate	· -	Air		
	- If oilbased, what type?	Synthetic, petroleu	m, etc. N	A		<del></del>
Additives to	be used? NA					
Orill cutting	s disposal method? Leave	in pit, landfill, rem	oved offsite, etc.	Leave in pit		
that the pro- applicable la this applicat	ugust 1, 2005, by the Office visions of the permit are en aw or regulation can lead to I certify under penalty of tion form and all attachmen g the information, I believe	nforceable by law. Voice and that I have pents that I have pents thereto and that	Violations of any term on. rsonally examined ar t, based on my inqui	or condition of the gen d am familiar with the y of those individuals in	eral permit and/or ot information submitte nmediately responsib	d on de
penalties for	r submitting false informat	ion, including the p	ossibility of fine or i	nprisonment.		
Company (	Official Signature		Diane Cl	Shite		
Company (	Official (Typed Name)		Diane C. White			
Company (	Official Title		Accountant			
Subscribed	i and sworn before me t	his Ita	day of	HILL CI TON GOOD OF THE CONTROL OF T		
My commi						
	ssion expires	1000	1-12.2		TINAL. P HGEner	

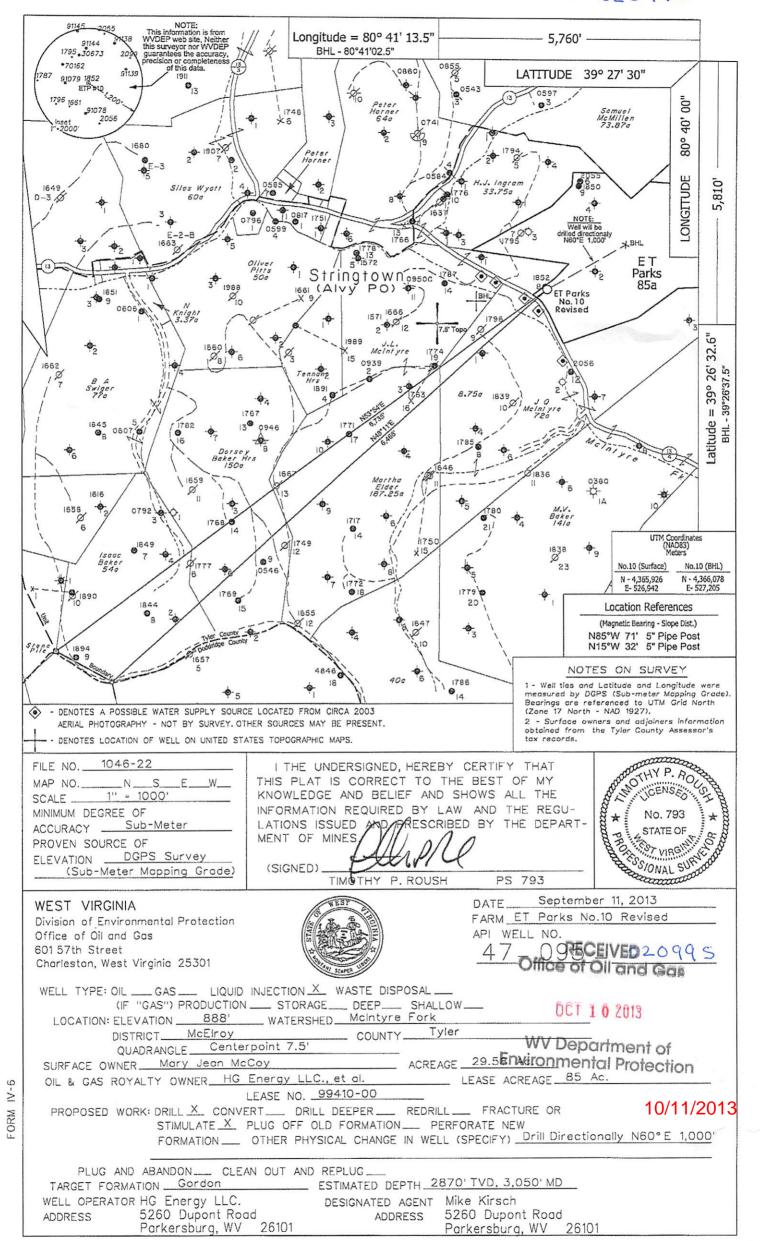
# WW9-Back

# Legend

Property Boundary	AAAA	Diversion	
Road	=========	Spring	<u>→</u>
Existing Fence	xx	Wet Spot	
Planned Fence	//	Drain Pipe	
Stream		Waterway	$\leftarrow$
Open Ditch	>	Cross Drain	711111111111
Rock	50000000000000000000000000000000000000	Filter Strip	XXXXXXXXX
	000	Pit: Cut Walls	
North	N		
Buildings		Pit: Compacted Fill Walls	$\leftarrow$ $\rightarrow$ $\mid$
Water Wells	(W)		
		Area of Land Application	
Drill Site		of Pit Waste	
			A STATE OF THE STA
	Area	I	*
Proposed Revegetation Treatm			vegetation pH
	Area	II	
	Approx.	0.6 Ac.	
a 43	2 Tons/Acre or Co	rrect to pH 6.5	
Lime	The state of the s		the Minimum)
	zer (10-20-20 or Equivalent) 500 Straw 2 Tons/Acr		ios. Minimum)
Mulch	Straw Z Tons/Act		
	SEED MIX	TURES	
1	T (7 + )		Area II (Road)
	Lbs/Ac.	Seed Type	Lbs/Ac.
Seed Type Tall Fescue	40	Tall Fescue	40
Ladino Clover	5	Ladino Clover	. 5
		_	
•		6	
Attach:			
Drawing(s) of road, location,	pit and proposed area for land application	1	
Photocopied section of involv	ved 7.5 topographic sheet.		
	1 1 2		
Plan approved by:	Jougho / seula-		
Comments:	Resisco from approv	red Permit	
94			1
Title:	Fil & Mas unspecto	- iz	Date: 9-16-2013
		, 1	No
Field Reviewed?	Yes	(-)	NO









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

DAILL DIACETIONNEY

September 16, 2013

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

RE:

Request to Revise E. T. Parks No. 10 - (API 47-095-2099)

McElroy District, Tyler County

West Virginia

Dear Mr. McLaughlin:

Enclosed are Forms WW-3A, WW-3A(1), WW-3B, WW-9, WW-3(B1), mylar of plat, reclamation plan, topo map and copies of the certified mailing receipts for a request to revise a permit to drill a liquid injection well.

Upon review, should you have questions please call me at 304-420-1119 or email me at <a href="mailto:dwhite@hgenergyllc.com">dwhite@hgenergyllc.com</a>.

Very truly yours,

Diane CWhite

Diane C. White

Enclosures

cc:

Melba Jean Templeton – Certified Joe Taylor – Inspector

David Cowan - Inspector