

### 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

September 03, 2013

### WELL WORK PLUGGING PERMIT Plugging

This permit, API Well Number: 47-4301735, 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.

Upon completion of the plugging well work, the above named operator will reclaim the site according to the provisions of WV Code 22-6-30. The above named operator will also file, as required in WV Code 22-6-23, an affidavit on form WR-38 by two experienced persons in the operator's employment and the Oil and Gas inspector that the work authorized under this permit was performed and a description given. Failure to abide by all statutory and regulatory provisions governing all duties and operations here under may result in suspensions or revocation of this permit and in addition may result in civil and/or criminal penalities being imposed upon the operator.

This permit will expire in two (2) years from date of issue. If there are any questions, please free to contact me at (304) 926-0499 ext. 1654.

James Martin
Chief

Operator's Well No: 1

Farm Name: W.VA. DEP'T. OF NATURAL RESC

API Well Number: 47-4301735

Permit Type: Plugging Date Issued: 09/03/2013 WW-4B Rev. 2/01 1) Date: July 9, 2013
2) Operator's Well Number
Horse Creek Tract "C" No. 1
3) API Well No: 47 = 043 = 1735
State County Permit

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

### APPLICATION FOR A PERMIT TO PLUG AND ABANDON

4) WE	ELL TYPE:		X Gas	Liquid Inje		Waste Disp			
			', Production		ind Storage	) Deep	Shalle	ow X	
5) LO	CATION:	Elevation: District:	981' Duval	Watershed County:			uadrangle (	Garrett's Bend 7.5'	358
6) WE	ELL OPERA	TOR: HG Ener	gy, LLC		TA 841 7 DOWN	TED AGENT	Michael G	. Kirsch	
	Address		pont Road urg, WV 26101		-	Address	5260 Dupo	ont Road rg, WV 26101	
8) OII	& GAS INS	SPECTOR TO I			9) PLUGGIN	 IG CONTRACT		ig, W V 20101	
Nar		Ralph Triplett			Name	Petty Well S			
Add	dress	5539 McClell Branchland, V			Address			_	
		Dianemand, V	V V 23300		- 4				
10) WO	ORK ORDER	t: The work or	der for the manne	r of plugging this	well is as follows	nK			
	CASI	NG	TD	- 2,529'		U	/		
	8 5/8" 36		Div	a No. 4 2.460	2 260	R 00'-1300' 00'-1000'	) 113		
-	4 1/2" 2,5	35'	2.00	g No. 1 2,460 & pull 4 1/2" cas	0' - 2,360' ing @ 2,100'	R	1151		
-			Plu	g No. 2 2,100	0' - 1,900'	2001	211.		
					0' - 1,000' 14 0' - 1,300' 11	00 - 1500			
			Plu	g No. 5 420	0' - 320'	10.5			
			Plu	g No. 6 100'	- surface				
			91						
Operation	onal Notes:								
Erect Mo	onument with								
		een all cement Class A. Requ		t, & expanding c	ement through	all coal seams			
Cement	tops will be	tagged.				an ood oodiiio			
				& tubing as poss	sible				
casing i	recovery is	based on prev	ious experience						
				OFFICE USE	ONLY				
				PLUGGING P	ERMIT				
Permit Nu	ımber							19	
						Date			
This a second			. d att a county to a set a co	abassas bed and be well	Lanca de Caración			-10	
				shown below is evidentained herein and o		n granted to plug i			
the pertine	ent legal requi	rements subject t				n granted to plug i			d
the pertine	ent legal requi oil and Gas Ins	rements subject t pector 24 hours t				n granted to plug i			led
the pertine	ent legal requi fil and Gas Ins The perm	rements subject t pector 24 hours t				n granted to plug i			led
the pertine District O	ent legal requi il and Gas Ins The perm and cond	rements subject to pector 24 hours to ditted work is as d				n granted to plug i		a ceiv	leq
the pertine	ent legal requi il and Gas Ins The perm and cond	rements subject to pector 24 hours to ditted work is as d				n granted to plug i		a ceiv	2 2013
the pertine District O	ent legal requi il and Gas Ins The perm and cond pires	rements subject to pector 24 hours to litted work is as di itions on the reve				n granted to plug i		a ceiv	5 5013
the pertine District O	ent legal requi il and Gas Ins The perm and cond	rements subject to pector 24 hours to ditted work is as d				n granted to plug i		a ceiv	S Solg
the pertine District O	ent legal requi il and Gas Ins The perm and cond pires	rements subject to pector 24 hours to litted work is as di itions on the reve				n granted to plug i		a ceiv	Sed on a
he pertine District O	ent legal requi il and Gas Ins The perm and cond pires	rements subject to pector 24 hours to litted work is as di itions on the reve				n granted to plug i		a ceiv	led
the pertinct O  District O  Permit exp	ent legal requi il and Gas Ins The perm and cond pires	rements subject to pector 24 hours be ditted work is as di itions on the reve		ntained herein and on as commenced. ice and Application, unless plugging is c		n granted to plug i		the CEIN	Sed Sold

### PENNZOIL COMPANY

### NEW WELL REPORT

LEASE NO. 46163	00		41	5 6 6 - Acres	WORKING DISTRIC	South			
Horse Creek	Tract	пСп	Carlos Ca	FARM	WELL NO. 1	_ N		i	
Duval			DISTR TOWN	ICT OR Li	ncoln	Cour	NTY E	it. Alb	ans Quai
LOCATION MADE	October	r 11		19.76	DRILLING COMME	NCED_NOV	ember 4		, 1976
DRILLING EQUIPME	NT IISED	CK SR	PUDDER OTARY		·DRILLING COMPLE	Nov	rember 8		76
and the second second second second							*****	***************************************	, 19
DRILLING EQUIPMENT FURNISHED BY	NT F. V	VA Drill	ing Co		TOTAL 2529 DEPTH		SANI	Bere	a
ELEVATION: FLOOR	·	982.	15		DRILLING CONTRA	CTOR_FW	IA Drill:	ing Co	
ELEVATION: GROUN	ID.	974.	.15		WORK ORDER NO.	:	4		
		•	1	FORMATIC	N RECORD		•		
KIND	тор	воттом	STEEL LINE MEAS.	TEST	кімр	ТОР	BOTTOM	STEEL LINE MEAS.	TEST
Substructure Rock, Shaley	0	8 80							
Sand	80	224		·					ļ
Sandy Shale	224	371				-	-		-
Shale	371	482			<del> </del>		-		
Sandy Shale	482	702	47				-		
Shale	702	812							
Sand .	812	913							
Shale	913	997							
Sand	997	102 5							1
Shale	1025	1084							
Salt Sand	1084	1410							
Shale	1410	1430			<u> </u>		1.1		
Salt Sand	1430	1664							
Shale ·	1664	1897				-			
S <sub>a</sub> nd Little Lime	1697 1750	1750		1	,				-
Pencil Cve	1783	1786	,	ļ					
Big Lime	1786	1978	-		-	1	-		
McCrady Shale	1978	1998				-	-		
Big Injun 1993	1998	2028			- · · · · · · · · · · · · · · · · · · ·	-			
Shale	2028	2120				0	1		
Wier	2120	2186	-			10			-
Shale	2186	2450			. 0		2		
Coffee Shale	2450	2471.			C	1 1		Side	
Berea	2471	2492			00	1	1000	-	
Shale	2492	2529			1	Q.	No Colo		
				No.		1	idon		/=1121
Total Depth		2529	PBD	2502		Office	Marter de la companya		
Logged by Basir	Surve	ys 11-8	-76	0 2534	1	The Co.			
2.3					-	"			
774									
						130 243			
	1	-							
					<u> </u>	-		06	/06/2013
							1	- 00	
	2000		, , ,						
							<del>       </del>	; · · · · · · · · · · · · · · · · · · ·	
			Total Control						
									1
-		<u></u>			VER)	1	<u> </u>		1

### NEW WELL REPORT - CONTINUED

INITIAL TORPEDO RECORD		1	PUT IN		2011	G RECOI			-
ate of Shot	SIZE	TPA	NSFER NO.	FEET	INCH	TRANSF	PULLED		1
441.784.494.444.444.4	8 5/8				_	IRANSP	ER NO.	FEET	INC
me of Torpedo Co.			•	368	50		-	-	-
	4 1/2			2535	18	ļ			-
o. of Quarts		-		-	_	-			_
ngth of Shell									
ameter of Shell			-						
ngth of Anchor									
on of Shot									
ottom of Shot							1000		
et of Fluid in Hole When Shot									
sults:			4-7-1		1				+
						1			-
		-		11	-	-		-	-
	-	-		-	-	-		-	-
	_	IL		1		U		11	1
			P	ACKER	RF	CORD			
INITIAL PRODUCTION FIRST 24 HOURS	KI	ND	1	SIZE	7.	DEPTH SET	1		-
	-							DATE SET	
Open Flow /10ths Water inInch	Steel Sh			-5/8	-	374	-	11-5-7	
/10ths Merc. inInch	Guide Sh	10e	4	1/2		2526 .	RKB	11-8-7	6
VolumeCu. Ft.									
Rock Pressurehrs.									
Dilbbls., First 24 hrs.									
· VANDALONIA			- The state of the		7			- Constant	
ACIDIZATION OR FRACTURING RECORD				C	ASIN	G CEME	TED		
- College Coll			-71700000000000000000000000000000000000			A Chilleng 14 to			
DATE WELL ACIDIZED 11-26-76		-	8 5/8		374	- RK	R 11-5	-76	
TT 77.5		-		225 sk	Ne.	FT. RK at Ceme floce	nt. 3%	cc 7/8	DA
TABLE OF SOME ATTENDED		-	BAGS U	SED		floce	le	CC 1/C	·II
List below materials used in Acidizing or Fracturing, i.e., Sand, Cr Water, Kerosene, Mothballs, Acid, etc., giving gallons, barrels and		ie,							
water, Acrosede, Modibans, Acid, etc., giving ganons, barrers and	pounds.)		4 1/2	SIZE 2	526	ud Flus	B 11-8	-76	_DA
***************************************		_							50
- Anny language and a second an		_	BAGS U	sedPozm	ix 2	% cc 1/	8# flo	cele	
				SIZE_		Fr			_D#
								7756000	
			BAGS U	SED			70-14		-
				_SIZE	٠,	FT			_D
1, 21, 11, 11, 11, 11, 11, 11, 11, 11, 1									
00.000 71.000/10.0		_	BAGS U	SED		-	The same		-
25,000 Lbs 20/40 Sand		_							
589 Bbl Crude Oil		_							
500 Gal Acid		_		-					
* Charles III - Committee - Co		-				-			
:3250		_							
3250  BREAKDOWN PRESSURE MAX 3500 Min 2300	1.0								
PUMPING PRESSURE MAX 3500 Min 2300	,							*****	
AVERAGE PUMPING RATE/MINUTE 30.8 BPM			TOP DE	TH OF C	EMENT	SHOWN	BY TEM	PERATUR	E Lo
PUMPING TIME.	· · · ·	_							
RESULT AFTER   GAS	GU.	т.							-
OIL		.s.				9			
ROCK PRESSURE AFTER TREATMENT	L	ss.				0			
The state of the s					7	<b></b>			
EMARKS:					0	2			
				0	)	5010		TOU	
						200	A 1	(C)	
						1	00000		
			***************************************	Ay.	21.	1,	Ind stal pro		
	•			(Var.	KIL	100	and Gas ore		_
	•		445 - 1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-	(Va.	KIL	TOO OH	and Cate Pic		
				(V)	KIL	Office of Child	Infrantal Pro		
				\(\frac{1}{2}\)	M	Office of Child	Indiana Pro		
				\\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	W.	Office of Charles	and Case Arc		
				\ <u>\</u>	Mr.	Office of the first	rd Cas pro		
				\ <u>\</u>	Mr.	Office of the of	and minerial.		12
				\(\frac{1}{2}\)	N.	Dedt. J. Edit	and minerial.	<del>06/20</del>	13
	•			\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	w.	Office of the state of the stat	and minerial.		13
	The state of the s				N,	Office d Offi	and minerial.		13
	APPRO	VED 7	1.7) 2		W.	Office of Office of Transfer	and minerial.		13

Permit

WW-4A Revised 6-07

1)	Date:	July 9, 20	13			
2)	Operator's W	ell Number				
	Horse	Creek Tract	"C"	No. 1		
3)	API Well No	: 47		043	10	1735

County

State

# STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS NOTICE OF APPLICATION TO PLUG AND ABANDON A WELL

	mer(s) to be served:	5)	(a) Coal Op	
(a) Name	WV Department of Natural Resou	rces	Name	NA
Address	State Capital Bldg 3, Room 643		Address	
	Charleston, WV 25305			
(b) Name			(b) Coal C	wner(s) with Declaration
Address			Name	NA
	-	3	Address	
(c) Name		3		
Address			Name	
			Address	
				NA
Inspector	Ralph Triplett		(c) Coal L	essee with Declaration
Address	5539 McClellan Hwy		Name	
	Branchland, WV 25506	-	Address	
Telephone	304-389-0350			NA
то тн	The Application to Plug and Abando in the work, and describes the well a  2) The plat (surveyor's map) showing the	on a Well or nd its locat	n Form WW-4	B, which sets out the parties involved ugging work order; and
	<ol> <li>The Application to Plug and Abando in the work, and describes the well a</li> <li>The plat (surveyor's map) showing the</li> </ol>	on a Well or nd its locat ne well loca	n Form WW-4 ion and the plation on Form	B, which sets out the parties involved agging work order; and WW-6
The rea	<ol> <li>The Application to Plug and Abando in the work, and describes the well a</li> <li>The plat (surveyor's map) showing the son you have received these documents is that</li> </ol>	on a Well or nd its locat ne well loca t you have i	n Form WW-4 ion and the pl tion on Form rights regardir	B, which sets out the parties involved agging work order; and WW-6
The rea	<ol> <li>The Application to Plug and Abando in the work, and describes the well a</li> <li>The plat (surveyor's map) showing the</li> </ol>	on a Well or nd its locat ne well loca t you have i	n Form WW-4 ion and the pl tion on Form rights regardir	B, which sets out the parties involved agging work order; and WW-6
The rea	<ol> <li>The Application to Plug and Abando in the work, and describes the well a</li> <li>The plat (surveyor's map) showing the son you have received these documents is that</li> </ol>	on a Well or nd its locat ne well loca t you have n tre not requ	n Form WW-4 ion and the pl tion on Form rights regardir ired to take an	B, which sets out the parties involved agging work order; and WW-6 ag the application which are summarized y action at all.
The rea in the i	1) The Application to Plug and Abando in the work, and describes the well a 2) The plat (surveyor's map) showing the son you have received these documents is that intructions on the reverse side. However, you are stice that under Chapter 22-6 of the West Virgins Notice and Application and accompanying	on a Well or nd its locat ne well loca t you have n ure not requ ginia Code, documents	n Form WW-4 ion and the plotion on Form rights regardir ired to take and the undersign for a permit to	B, which sets out the parties involved agging work order; and WW-6  g the application which are summarized y action at all.  ed well operator proposes to file or has plug and abandon a well with the Chief
The rea in the i  Take no filed the of the C	1) The Application to Plug and Abando in the work, and describes the well a 2) The plat (surveyor's map) showing the son you have received these documents is that intructions on the reverse side. However, you are stice that under Chapter 22-6 of the West Virgis Notice and Application and accompanying office of Oil and Gas, West Virginia Department.	on a Well or nd its locat ne well loca t you have re ure not reques ginia Code, documents ent of Envir	n Form WW-4 ion and the plation on Form rights regardir ired to take and the undersign for a permit to commental Pro	B, which sets out the parties involved agging work order; and WW-6  g the application which are summarized y action at all.  ed well operator proposes to file or has o plug and abandon a well with the Chief tection, with respect to the well at the
The rea in the i  Take no filed th of the C location	1) The Application to Plug and Abando in the work, and describes the well a 2) The plat (surveyor's map) showing the son you have received these documents is that intructions on the reverse side. However, you are stice that under Chapter 22-6 of the West Virgins Notice and Application and accompanying	on a Well or nd its locat ne well loca t you have re ure not reque ginia Code, documents ent of Envir epicted on t	n Form WW-4 ion and the plation on Form rights regarding ired to take and the undersignt for a permit to conmental Pro-	B, which sets out the parties involved agging work order; and WW-6  g the application which are summarized y action at all.  ed well operator proposes to file or has o plug and abandon a well with the Chief tection, with respect to the well at the form WW-6. Copies of this Notice, the

7	Well Operator	HG Energy, LLC	
OFFICIAL SEAL NOTARY PUBLIC STATE OF WEST VIRGINIA TINA L. PETHTEL HG Energy, LLC 5260 Dupont Road	By: Its: Address	Accountant 5260 Dupont Road	ane C.White
Parkersburg, West Virginia 26101 My Commission Expires Nov. 12, 2018	Telephone	Parkersburg, WV 26101 (304) 420-1119	
Subscribed and sworn before me this	day of	Les 2013 Que	The Control of the Co
	Jing ZF	etta	Notes Lublic
My Commision Expires	1100 12,	2018	09/06/201

above (or by publication in certain circumstances) on or before the day of mailing or delivery to the Chief.

9/06/2013

Form WW-9 Rev. 10/94

Page	3	of	3
API Number 47-	043	• -	1735
Operator's Well No. Horse Creek Tr	act "C"	No. 1	

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

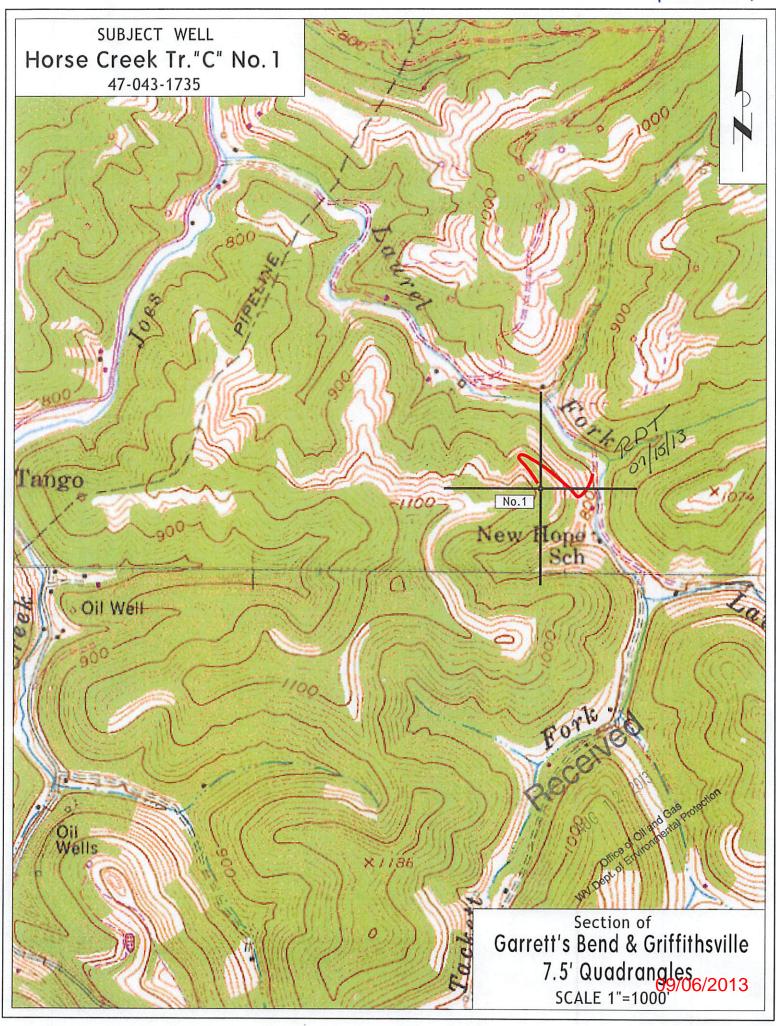
# CONSTRUCTION AND RECLAMATION PLAN AND SITE REGISTRATION APPLICATION FORM GENERAL PERMIT FOR OIL AND GAS PIT WASTE DISCHARGE

	HG Energy	<u> </u>					
Watershed	Joes Creek			Quadra	angle <u>G</u> a	rrett's Bend	l 7.5'
Elevation	981' .	County	Lincoln	Di	strict	Duval	
Description of a	ınticipated Pit Waste:	Fluids encour	ntered in plugging	subject well			
Do you anticipa	te more than 5,000 bbls	of water to com	plete the proposed w	ell wor Yes	1	No X	
Will a synthetic	liner be used in pit?	Yes	If so, what mil.?	20 mil			
Proposed Dispo	sal Method For Treated	Pit Wastes:	_			_	
	X Land Applic	ation					
_	Undergroun	d Injection (UIC	Permit Number				)
	Reuse (at Al		•				
_			orm WW-9 for dispose	al location)			,
	Other	(Explain					
-	n anticipated for this we		_	NA			
	foilbased, what type? S		eum, etc.				
Additives to be			amound offsite sta	<del></del>	NA		<del></del>
_	isposal method? Leave i f left in pit and plan to s		· -	Cement, lime, sa			
	andfill or offsite name/p	<del>-</del> -	NA .	Cement, nine, sa	waust		
	•						
ssued on Augu hat the provisi applicable law o	ertify that I understand st 1, 2005, by the Office ons of the permit are en or regulation can lead to ertify under penalty of l	of Oil and Gas o forceable by law enforcement ac	f the West Virginia I v. Violations of any te tion.	Department of Enverm or condition of	ironmental the general	Protection. I permit and/o	understand or other
issued on Augu that the provisi applicable law o I c this application for obtaining th	st 1, 2005, by the Office ons of the permit are en	of Oil and Gas of orceable by law enforcement ac aw that I have puts the thereto and the thet the information of the content o	of the West Virginia I To Violations of any te tion. Dersonally examined hat, based on my inq ation is true, accurat	Department of Enverm or condition of and am familiar wuriry of those indive and complete. I a	ironmental the general ith the info	Protection. I permit and/ormation subsection	understand or other atted on asible
issued on Augusthat the provisi applicable law of I c this application for obtaining the penalties for su	st 1, 2005, by the Office ons of the permit are enter regulation can lead to ertify under penalty of later and all attachmente information, I believe	of Oil and Gas of orceable by law enforcement ac aw that I have puts the thereto and the thet the information of the content o	of the West Virginia I To Violations of any te tion. Dersonally examined hat, based on my inq ation is true, accurat	Department of Enverm or condition of and am familiar was reliantly of those indiversity of those indiversity of those indiversity. I are imprisonment.	ironmental the general ith the infor iduals imme am aware th	Protection. I permit and/ormation subsection subsection subsection subsections at the section of the section subsection s	understand or other atted on maible significant
issued on Augusthat the provisi applicable law of I c this application for obtaining the penalties for su Company Offi	st 1, 2005, by the Office ons of the permit are enter regulation can lead to ertify under penalty of laform and all attachments information, I believe bmitting false information	of Oil and Gas of orceable by law enforcement ac aw that I have puts the thereto and the thet the information of the content o	of the West Virginia I v. Violations of any te tion. Dersonally examined hat, based on my inquation is true, accurate e possibility of fine o	Department of Enverm or condition of and am familiar was reliantly of those indiversity of those indiversity of those indiversity. I are imprisonment.	ironmental the general ith the infor iduals imme am aware th	Protection. I permit and/ormation subsection subsection subsection subsections at the section of the section subsection s	understand or other atted on maible significant
issued on Augusthat the provisi applicable law of I c this application for obtaining the penalties for su Company Offi Company Offi	st 1, 2005, by the Office- ons of the permit are en- or regulation can lead to ertify under penalty of later form and all attachment in einformation, I believe bmitting false informatical Signature cial (Typed Name)	of Oil and Gas of orceable by law enforcement ac aw that I have puts the thereto and the thet the information of the content o	of the West Virginia I to Violations of any te tion. Dersonally examined that, based on my inquation is true, accurate e possibility of fine o	Department of Enverm or condition of and am familiar was reliantly of those indiversity of those indiversity of those indiversity. I are imprisonment.	ironmental the general ith the infor iduals imme am aware th	Protection. I permit and/ormation subsection subsection subsection subsections at the section of the section subsection s	understand or other atted on maible significant
issued on Augusthat the provisi applicable law of I c this application for obtaining the penalties for su Company Offi	st 1, 2005, by the Office- ons of the permit are en- or regulation can lead to ertify under penalty of later form and all attachment in einformation, I believe bmitting false informatical Signature cial (Typed Name)	of Oil and Gas of orceable by law enforcement ac aw that I have puts the thereto and the thet the information of the content o	of the West Virginia I  c. Violations of any tetion.  Dersonally examined that, based on my inquision is true, accurate possibility of fine of the Company o	Department of Enverm or condition of and am familiar was reliantly of those indiversity of those indiversity of those indiversity. I are imprisonment.	ironmental the general ith the infor iduals imme am aware th	Protection. I permit and/ormation subsection subsection subsection subsections at the section of the section subsection s	understand or other atted on maible significant
issued on Augur that the provisi applicable law of I c this application for obtaining the penalties for su Company Offi Company Offi Company Offi	st 1, 2005, by the Office ons of the permit are enter regulation can lead to ertify under penalty of lateral form and all attachments information, I believe bimitting false informatical Signature cial (Typed Name) cial Title	of Oil and Gas of forceable by law enforcement ac aw that I have puts thereto and that the information, including the sister of the state of the sta	of the West Virginia I  c. Violations of any tetion.  Dersonally examined that, based on my inquision is true, accurate possibility of fine of the Countant Countant	Department of Enverm or condition of and am familiar was reliantly of those indiversity of those indiversity of those indiversity. I are imprisonment.	ironmental the general ith the inforiduals imme um aware th	Protection. I permit and/o	understand or other atted on maible significant
issued on Augur that the provisi applicable law of I c this application for obtaining the penalties for su Company Offi Company Offi Company Offi	st 1, 2005, by the Office ons of the permit are enter regulation can lead to ertify under penalty of lateral form and all attachments information, I believe bimitting false informatical Signature cial (Typed Name) cial Title	of Oil and Gas of forceable by law enforcement ac aw that I have puts thereto and that the information, including the sister of the state of the sta	of the West Virginia I  c. Violations of any tetion.  Dersonally examined that, based on my inquision is true, accurate possibility of fine of the Countant Countant	Department of Enverm or condition of and am familiar was surely of those indiversity of those indiversity of those indiversity of those indiversity.	ironmental the general ith the inforiduals imme um aware th	Protection. I permit and/ormation subsection subsection subsection subsections at the section of the section subsection s	understand or other atted on asible
issued on Augur that the provisi applicable law of I c this application for obtaining the penalties for su Company Offi Company Offi Company Offi	st 1, 2005, by the Office ons of the permit are enter regulation can lead to ertify under penalty of lateral form and all attachments information, I believe bimitting false informatical Signature cial (Typed Name) cial Title	of Oil and Gas of forceable by law enforcement ac aw that I have puts thereto and that the information, including the	of the West Virginia I  c. Violations of any tetion.  Dersonally examined that, based on my inquision is true, accurate possibility of fine of the Countant Countant	Department of Enverm or condition of and am familiar was surely of those indiversity of those indiversity of those indiversity of those indiversity.	ironmental the general ith the inforiduals immedian aware th	Protection. I permit and/o	understand or other steed on sible significant on articles of a control of the co

09/06/2013

### Legend

Property Boundary	A A A	Diversion	11111111111
Road		Spring	<del></del>
Existing Fence	xx	Wet Spot	<b>상</b>
Planned Fence	//_	Drain Pipe	
Stream		Waterway	·→ ←→ ←→
,		Cross Drain	71111111111
Open Ditch Rock	384803	Filter Strip	XXXXXXXXXX
ROCK	9200 000	Pit: Cut Walls	Current
. Atawih	N	7 N. Out Villa	
North		Pit: Compacted Fill Walls	7
Buildings		Fill Walls	ATTITUTE OF THE PARTY OF THE PA
Water Wells	(W)	Area of Land Application	
Drill Site	₩	of Pit Waste	( Carrier and Carr
		-	
		Area I	
Proposed Revegetation	i Treatment: Acres DisturbedApp	prox. 0.5 Ac.	Prevegetation pH
	Δn	Area II prox. 0.2 Ac.	
		e or Correct to pH	6.5
	Fertilizer (10-20-20 or Equivalent)  Mulch Straw 2 To	500 Lbs./Acons/Acre	re (500 lbs. Minimum)
	·		
	SEE	D MIXTURES	
	Area I (Location)		Area II (Road)
Seed Type	Lbs/Ac.	Seed T	
Tall Fescue  Ladino Clover	40 5	Tall Fes	
Launio Ciovei			
	·		:1160
Prop			
Attach:			2013
Drawing(s) of road, lo	cation, pit and proposed area for land app	lication	10 A 12 E
Photocopied section o	f involved 7.5' topographic sheet.		Received.
	Page Dot (A)		AUG AUG and Ges Protection Office of all and Ges Protection  WW Dept of Environmental Protection
Plan Approved by: Comments:	: Musper H. / rupieux	-	"M Deby o.
Comments:	Park to the second seco	4.00	, S.
Title:	strict Inspecter		Date: <u>07//5//3</u>
Field Reviewed?	Yes		No



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

## WELL LOCATION FORM: GPS

API: 47-	- 043 - 1735	WELL NO: No.1
FARM NAME:	Horse Creek Tract "C"	
RESPONSIBLE PARTY N	NAME: HG Energy, LLC	
COUNTY:	Lincoln	DISTRICT: Duval
QUADRANGLE:	Garrett's Bend 7.5'	
SURFACE OWNER:	W.Va. Dep't. of Natural Res	ources
ROYALTY OWNER:	HG Energy LLC et al.	
UTM GPS NORTHING:	4,234,227	
UTM GPS EASTING:	420,715	GPS ELEVATION: 299 m. 98 l FT.
oil & Gas will not accept of the second of t	med above has chosen to submit GPS ion plat for a plugging permit on the a GPS coordinates that do not meet the AD 1983, Zone:17 North, Coordinate we mean sea level (MSL) - meters. Datum - 3.05 meters etion Method:	above well. The Office of following requirements: Units: meters, Altitude:
Survey Grade G	PS Post Processed Differential Real-Time Differential	- ceiveu
Mapping Grade	GPS X Post Processed Differential Real-Time Differential	Received  AUG 12 2013  AUG 12 2013  Aug 2013 and Gas programs and prog
	pertify this data is correct to the best of formation required by law and the regresorial and Gas.  Timothy P. Roush	ulations issued and  WM Dept. of Emitor
Signature	Tillouty F. Roush	Professional Surveyor Title
July	3, 2013	
Date		