

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

November 17, 2014

WELL WORK PERMIT

Secondary Recovery Well

This permit, API Well Number: 47-8704753, 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: SB KINKEAD 109

Farm Name: MAY, TIMOTHY D.

API Well Number: 47-8704753

Permit Type: Secondary Recovery Well

Date Issued: 11/17/2014

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 with 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.
- 8. Operator shall provide the Office of Oil & Gas notification of the date that drilling commenced on this well. Such notice shall be provided by sending an email to DEPOOGNotify@wv.gov within 30 days of commencement of drilling.

Received Office of Oil & Gas FORM WW-3 (B) OCT 3 1 201 1/12 STATE OF V NOTICE OF LIQUID INJECTION OR WASTE FOR THE DEPARTMENT OF ENVIRONMENT 5) WELL TYPE: Liquid Injection Elevation: 1110' 6) LOCATION: Smithfield District: 7) WELL OPERATOR: HG Energy, LLC 5260 Dupont Road Address Parkersburg, WV 26101 9) OIL & GAS INSPECTOR TO BE NOTIFIED Ed Gainer Name P.O. Box 821 Address Spencer WV 25276 Drill V 11) PROPOSED WELL WORK Plug off old formation Other physical chang

Liners

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ORM WW-3 (B)			1			Date: 10/21/2			
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144									
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Conductor									Kinds
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Coal	1								Sizes
Intermediate		11 8-2		1					2,375" x 4.5"
Production	4 1/2"	J-55	10.5#	X	1	2730'	2730'	200	Depths set
Tubing	2 3/8"	J-55	4.6#	X		2500'	2500		2400'
Liners	1	/							Perforations

Roane			County Cl	erk's office in		Lease	_	Book	10	Page	204
by deed		ease	x /	other contract	t	/ dated	09/20/1906		10		rd in the 204
24) APPLICANT	'S OPER.	ATING	RIGHTS v	vere acquired	from	S. B. and M.	.C. Kinkead				
			1 - 1			1					
iamot)									Тор	E	lottom
Liners									Perforat	ions	
Tubing	2 3/8"	J-55	4.6#	X		2500'	2500'			2400	
Production	4 1/2"	J-55	10.5#	X		2730'	2730	200	Deptins		

Faceiver/ Office of Oil & Gas 0CT 3 1 2014

8704753S

CK 2821

FORM WW-3 (A) 1/12



1) Date: Oct	ober 21, 20	14		
2) Operator's W	ell No.	S.B.	Kinkead 109	
3) API Well No.	State		County	Permit
4) UIC Permit No	o. UIC	2R087	04AP	

STATE OF WEST VIRGINIA NOTICE OF LIQUID INJECTION OF WASTE DISPOSAL WELL WORK PERMIT APPLICATION FOR THE DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS,

(a) Name	ner(S) To Be Served Reva Snodgrass	Name
Address	3740 Tranquility Drive	Address
	Melbourne, FL 32934	
(b) Name	Timothy D. May	7) (b) Coal Owner(S) With Declaration Of Record
Address	242 Edgle Fork Road	Name
	Spencer, WV 25276	Address
(c) Name		Name
Address	-	Address
, iddieso		
) Inspector	Ed Gainer	7) (c) Coal Lessee with Declaration Of Record
Address	PO Box 821	Name
	Spencer, WV 25276	Address
Telephone	304-389-7582	
TO THE I	lication For A Liquid Injection or Wa	ou should have received this form and the following documents aste Disposal Well Work Permit on Form WW-3(B), which sets out the
parties in 2) The plat (3) The Cons	surveyor's map) showing the well loca	ation on Form WW-6; and m WW-9 (unless the well work is only to plug a well), which sets out the clamation for the site and access road.

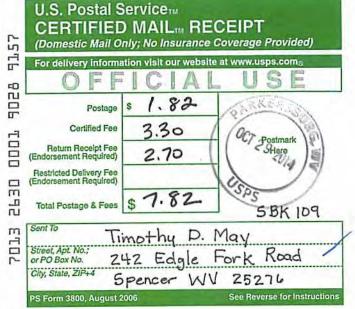
THE REASON YOU HAVE RECEIVED THESE DOCUMENTS IS THAT YOU HAVE RIGHTS REGARDING THE APPLICATION WHICH ARE SUMMARIZED IN THE "INSTRUCTIONS" ON THE REVERSE SIDE OF THE COPY OF THE APPLICATION [(FORM WW-3(B)] DESIGNATED TO YOU. HOWEVER YOU ARE NOT REQUIRED TO TAKE ACTION AT ALL.

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

Received Office of Oil & Gas

OCT 3 1 2014





87047535

Received Office of Oil & Gas

WW-2B1 (5-12)

OCT 3 1 2014

Well No. S. B. Kinkead 109

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.

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

Listed below is the laboratory chosen by operator to perform analysis, and contactor chosen to collect sample.

Sturm Environmental Lab Certified Laboratory Name Sturm Environmental Lab **Sampling Contractor**

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

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 underling which one you have selected to sample and analyze. If there are no water wells or springs within 1000 feet of the proposed site, the

Chief may require the operator to test wells up to 2000 feet from the proposed site.

Water Sources Identified for Sampling and Analysis:

- · Timothy D. May · Holly Cottrell · Willie King · Reva Snodgrass

WW-2B1 Page 2

WATER SUPPLIES TO BE TESTED S. B. KINKEAD NO.109

Timothy D. May 242 Edgle Fork Road Spencer, WV 25276

Holly Cottrell 89 Edgle Fork Spencer, WV 25276

Willie King
P.O. Box 645
Spencer, WV 25276

Reva Snodgrass 3740 Tranquility Drive Melbourne, FL 32934

> WV Department of Environmental Protection

> > 1 1 100

Office of Oil and Gas

Office of Oil & Gas

WW-9 Rev. 5/10

OCT 3 1 2014

Pa	ige_	204	of	
API Number 47		-		
Operator's Well No.	S.B.	Kinkand 1	09	

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

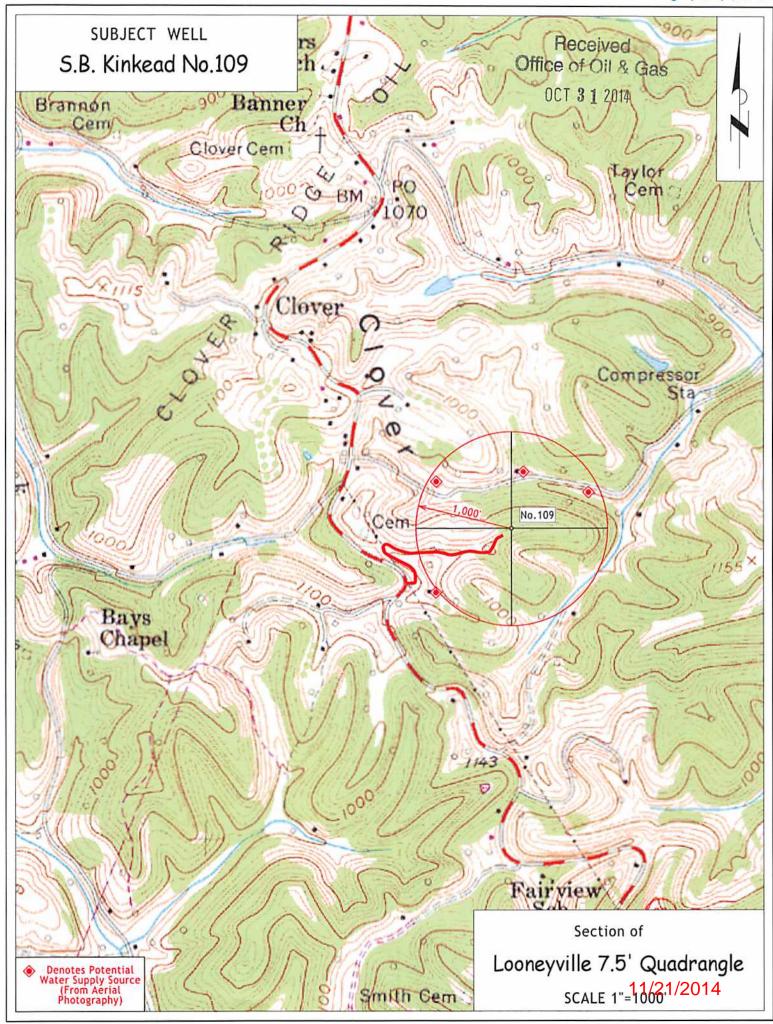
perator Na	ame_ HG Energy, LLC		OP Code494497948	
	Rush Creek of Henrys Fork	Ouadrang	le Looneyville 7.5'	
atershed_			District_Smithfield	
		County_Roane		
eccrintion	of anticipated Pit Waste:	Fluids encountered while drilling subje	ect well	
o vou ent	icinate using more than 5,000) bbls of water to complete the propo	osed well work? Yes No	0
/ill a synt	hetic liner be used in the pit?	Yes	il.?20 mil	
roposed I	Disposal Method For Treated	Pit Wastes:		
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	Off Site Disp	oosal (Supply form WW-9 for dispos	sal location)	
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rilling m	edium anticipated for this we	Il? Air, freshwater, oil based, etc	Air, Fresh Water	
_1	Foil based, what type? Synt	hetic, petroleum, etc		
	to be used? Water, soap, Ko d loop system be used? No			
Vill close	a loop system be used :	in pit, landfill, removed offsite, etc	Leave in pit	34
				me
	I andfill or offsite name/pern	nit number?		
				A.S. D.S. ET
on Augus provision law or reg applicatio obtaining penalties	t 1, 2005, by the Office of Ois of the permit are enforceat gulation can lead to enforcem a certify under penalty of la on form and all attachments the information, I believe for submitting false informat	ole by law. Violations of any term of ent action. w that I have personally examined at the information is true, accuration, including the possibility of fine	f the GENERAL WATER POLLUTION rtment of Environmental Protection. I un or condition of the general permit and/or and am familiar with the information sequiry of those individuals immediately te, and complete. I am aware that the or imprisonment.	other appli submitted or responsible
Company	Official Signature D	iane White		
	y Official (Typed Name) Di			
Company	y Official Title Agent			
Culescalle	ed and sworn before me this	21 day of October	, 20_14	
Subscrib	Imax	Bethto	NALABATUSTATE OF	SEAL UBLIC ST VIRGINIA
		1 - 7 - 121		THTEL v. LLC it Road

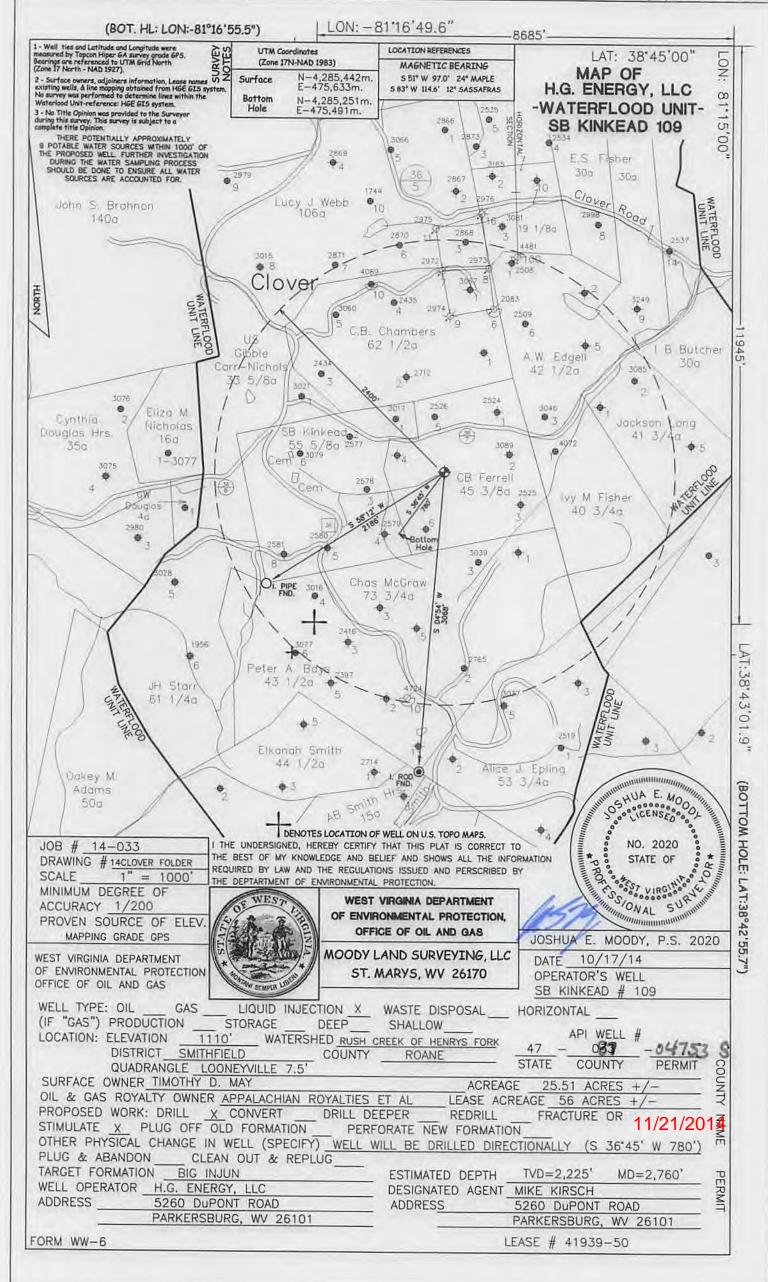
Form WW-9

Received Office of Oil & Gas

Operator's Well No. S. B. Kinkead 109

OCT 3			
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Planned Fence//_	/ Drai	n Pipe with size in inches	
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Drill site		(====	
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Lime Tons/acr	re or to correct to pH6.		
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Straw	2 Tons/acre		
Mulch			
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Area I		Are	
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Attach: Drawing(s) of road, location,pit and prop	osed area for land application		5
Ladino Clover 5	osed area for land application		5
Attach: Drawing(s) of road, location,pit and prop	osed area for land application		5
Attach: Drawing(s) of road, location,pit and properties of involved 7.5' topo	osed area for land application		5
Attach: Drawing(s) of road, location,pit and proportion of involved 7.5' topo Plan Approved by:	osed area for land application	on.	5 14 place 27
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HG Energy, LLC 5260 Dupont Road Parkersburg, WV 26101 (304) 420-1100 - Office (304) 863-3172 - Fax

October 21, 2014

Mr. Jeff McLaughlin WVDEP Division of Oil & Gas 601 57th Street Charleston, West Virginia 25304 Received Office of Oil & Gas 0CT 3 1 2014

RE: S. B. Kinkead No. 109

Smithfield District, Roane County

West Virginia

Diane White

Dear Mr. McLaughlin:

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 the above referenced 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

Enclosures

cc:

Timothy D. May - Certified Reva Snodgrass - Certified Ed Gainer – Inspector

