

west virginia department of environmental protection

Office of Oil and Gas 601 57th Street, S.E. Charleston, WV 25304 (304) 926-0450 fax: (304) 926-0452

Austin Caperton, Cabinet Secretary www.dep.wv.gov

Tuesday, August 21, 2018

WELL WORK PERMIT

Vertical / New Drill - Secondary Recovery

HG ENERGY, LLC 5260 DUPONT ROAD

PARKERSBURG, WV 26101

Re: Permit approval for EJ MAY 149 47-043-03584-00-00

This well work permit 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 any additional specific 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 of 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.

Per 35 CSR 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) 926-0450.

James A. Martin

Chief

Operator's Well Number: EJ MAY 149

Farm Name: JOHN & TAMMIE COOPER ET

U.S. WELL NUMBER: 47-043-03584-00-00

Vertical New Drill - Secondary Recovery

Date Issued: 8/21/2018

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.

FORM WW-3 (B) 1/12



1)	Date:	07/19/201	8						
2)	Operator	's Well N	Vo.	E. J.	May No. 149				
3)	API Well	l No.:	47	-		-	s		
			State	-	County	-		Permit	
4)	UIC Pern	nit No.	UIC2F	R04302	AP				

STATE OF WEST VIRGINIA

NOTICE OF	F LIQUID INJEC	TION OR WAST	E DISPOSAL W	ELL WORK PI	ERMIT APPLICATION
FOR THE	DEPARTMENT	OF ENVIRONM	ENTAL PROTE	CTION, OFFIC	CE OF OIL AND GAS

5) WELL TYPE:		id Injection: 804	on 🗸	/		ction (not stora	age)	/	Waste Disposal
6) LOCATION:		t: Duval				ounty Lincoln	raight Fork	Onodro	ngle Griffithsville 7.5'
7) WELL OPERA			1.0			8) DESIGNA	ATED ACT		
	_	260 Dupont				6) DESIGNA	Addre		upont Road
Add	_						Addre	-	
0) OT 0 C4CD		arkersburg,		mp.		10) DDH I D	TO CONTIN	-	burg, WV 26101
9) OIL & GAS IN		K 10 Bi	SNOTE	ED		10) DRILLIN			-1 -5 0 "
	L. Smith						Be Determine	d Upon Approv	al of Permit
	ig Tyler Roa					Address			
Cross L	anes, WV 2	5313				-			
11) PROPOSED WELL WORK Drill / Drill deeper / Redrill / Stimulate / Plug off old formation / Perforate new formation									
12) GEOLOGIC	ΓARGET	FORMA	TION Be	erea		Depth		_ Feet (top	
13) Estimated Dep								Feet	
14) Approximate				esh 1	80	_ Feet	Salt _	1000	Feet
15) Approximate			380'						
16) Is coal being i					_ No .		_		
17) Virgin reservo					psig	g Source	Estimated		
18) Estimated rese					TO 10 Y			72	psig (BHFP)
19) MAXIMUM I									
							CLUDING	ADDITIVE	ES Fresh water, produced water,
bactericides and oth						oil recovery.			
21) FILTERS (IF 22) SPECIFICAT						OTTER COR	D OCTONI C	ONTEDOT	
22) SPECIFICAT	ONS FO	R CAIH	ODIC PR	COLECT	UMAND	OTHER COR	KOSION C	ONIKOL	
23) CASING AND	TUBING I	PROGRAM	M	************					
CASING OR		SP	ECIFICATI	ONS		FOOTAGE IN	TERVALS	CEMENT	PACKERS
TUBING TYPE	Size	Grade	Weight	New	Used	For Drilling	Left In	FILL-UP	
			per ft.	1.51			Well	OR SACKS	
								(CU. FT.)	BECEIVED
Conductor								04	RindsEIVED
Fresh Water	7"	LS	17#	. x		430'	430'	CAS IIIC	e of Oil and Gas
Coal									Sizes
Intermediate									AUG 1 0 2075
Production	4 1/2"	J-55	10.5#	x		2790'	2790'	150 sks	Depths set
Tubing	2 3/8"	J-55	4.6#	x		2540'	2540'	-WV	Danartage 440'
Liners									Pennardingent of
								CUVILO	nmental Protection
						-			
24) 1 PPT 10 13 III	C OPPP	mp ra p	TOTTMO					<u> </u>	
24) APPLICANT'						EJ May			
A STATE OF THE STA	/ le	ase x	/	other co	ntract	/ dated	02/07/1983		of record in the
Lincoln								D 1	D
		C	ounty Cle	rk's off	ice in Lea	ase		Book 35	Page _154

Permit

FORM WW-3 (A) 1/12



1)	Date:	July 19, 20	18				
2)	2) Operator's Well No.			E. J. May No. 149			
3)	API W	ell No.:	47	-	43	-	03584

4) UIC Permit No. UIC2R04302AP

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,

5) Surface Ow	vner(S) To Be Served	7) (a) Coal	Operator				
(a) Name	Michael & Pam Cooper	Name	NA				
Address	46 Torque Drive	Address					
	Yawkey, WV 25573	 -					
(b) Name	Johnny & Tammie Cooper	7) (b) Coal	Owner(S) With D	Declaration Of Record			
Address	P. O. Box 175	Name	NA				
	Griffithsville, WV 25521	Address					
(a) Nama	David Adkins	Name					
(c) Name Address	5115 Straight Fork	- Address	-				
Address	Griffithsville, WV 25521	- Address	-				
() Insurantan		- 7) (a) Cool	Laggas with Dool	aration Of Record			
6) Inspector	Jeffery L. Smith	- /) (c) Coal Name		aration of Record			
Address	5369 Big Tyler Road		NA				
m 1 1	Cross Lanes, WV 25313	_ Address					
Telephone	681-313-6743	_	-				
THE REASON APPLICATION THE APPLICA ACTION AT A Take notice the Notice and Ap West Virginia Application an	at under Chapter 22-6 of the West Virgini polication and accompanying documents to Department of Environmental Protection described depicted on the attached Form WW-6.	OCUMENTS E "INSTRUCTED TO YOU a Code, the unifor a Well Worn, with respect to the content of th	IS THAT YOU THONS" ON THE HOWEVER YOu The third the test of a well at the second of the test of test of the test o	Office of Oil and Gas perator proposes to file or has filed this are Chief of the Office of Oil and Gas, are location described on the attached lication, the plat, and the Construction			
	The person signing this docu						
ne ve			Well Operator	-			
	r penalty of law that I have personally exa-						
		am familiar with the information submitted in this document and all Address 5260 Dupont Road					
attachments an							
:	d that, based on my inquiry of those indiv	iduals	D	Parkersburg, WV 26101			
	nd that, based on my inquiry of those indiversions are the comparison of the control of the cont	iduals believe that	By:	Parkersburg, WV 26101 Diane White			
the information	d that, based on my inquiry of those indiv	iduals believe that are that there	By: Its:	Parkersburg, WV 26101			

SURFACE OWNER WAIVER

	•	COM ACE CHILLY WAITER	
County	Lincoln	Operator	HG Energy, LLC
		Operator well number	EJ May 149
	INSTRUCTIONS	TO SURFACE OWNERS NAMED ON PAG	€E WW2-A / 3A
(Note: If the name appear you may be to work permits	surface tract is owned by r red on the Sheriff's tax tick the only owner who will act are valid for 24 months. If er immediately if you know v NOTE: YO	ge WW-2A / 3A is applying for a permit fromore than three persons, then these materiset on the land or because you actually occupied the service that it is a continuous control of the service that it is a control of the service	ials were served on you because your cupy the surface tract. In either case, er 22 of the West Virginia Code. Well tract, please forward these materials to or and the Office of Oil and Gas.
•	of Oil and Gas of Environmental Protection		
601 57 th St. S			
Charleston, V			
(304) 926-04			to the control on the form the date the
		mments. The law requires these materials	
		FIFTEEN (15) DAYS after the filing date to I by the Chief's office by the time stated about	
ne mea m he	ison of leceived in the iligi	i by the Onici a Onice by the time stated abt	JVG. I Du Illay Gall the Office of Office to

be sure of the date. Check with your postmaster to ensure adequate delivery time or to arrange special expedited handling. If you have been contacted by the well operator and you have signed a "voluntary statement of no objection" to the planned work described in these materials, then the permit may be issued at any time.

Comments must be in writing. Your comments must include your name, address and telephone number, the well operator's name and well number and the approximate location of the proposed well site including district and county

from the application. You may add other documents, such as sketches, maps or photographs to support your comments.

The Chief has the power to deny or condition a well work permit based on comments on the following grounds:

- 1) The proposed well work will constitute a hazard to the safety of persons.
- 2) The soil erosion and sediment control plan is not adequate or effective;
- 3) Damage would occur to publicly owned lands or resources;
- 4) The proposed well work fails to protect fresh water sources or supplies;
- 5) The applicant has committed a substantial violation of a previous permit or a substantial violation of one or more of the rules promulgated under Chapter 22, and has failed to abate or seek review of the violation...".

If you want a copy of the permit as it is issued or a copy of the order denying the permit, you should request a copy from the Chief.

<u>List of Water Testing Laboratories.</u> The Office maintains a list of water testing laboratories which you can hire to test your water to establish water quality prior to and after drilling. Contact the Chief to obtain a copy.

VOLUNTARY STATEMENT OF NO OBJECTION

I hereby state that I have read the instructions to surface owners and that I have received copies of a Notice and Application for a Well Work Permit on Form WW2-A / 3A, and attachments consisting of pages of the Light ED including a work order on Form WW-2B / 3A, a survey plat, and a soil and erosion plan, all for proposed were warrow and as described therein.

I further state that I have no objection to the planned work described in these materials, and I have no objection to a permit being issued on those materials.

FOR EXECUTION BY A NATURAL PERSON Panela Goppl Machael Coops	ON Date	7-2648	FO Company Name	R EXECUTION WAD 6 Environmer	ntal Protection
Michael & Pamela Cooper	•		By Its		Date
Print Name-	,			Signature	Date

WW-2A / 3A Surface Waiver

		SURFACE OWN	ER WAIVEF	₹		
County	Lincoln	Operato Operato	or or well nun		HG Energy, LLC EJ May 149	<u> </u>
	INSTRUCTIONS TO S	SURFACE OWNE	RS NAMED	ON PAGE W	/W2-A / 3A	
(Note: If the su name appeared you may be the work permits ar	ell operator named on page Wiface tract is owned by more to do not the Sheriff's tax ticket on e only owner who will actually e valid for 24 months. If you do mmediately if you know who it NOTE: YOU AR WHERE TO FILE COM	than three person the land or beca receive these ma do not own any int is. Also, please r E NOT REQUIRE	is, then thes use you act terials.) See erest in the shotify the we	e materials wually occupy e Chapter 22 surface tract, ll operator an	vere served on you the surface tract. of the West Virgin please forward the d the Office of Oil a ENT.	because your In either case, ia Code. Well se materials to
601 57th St. SE Charleston, WV (304) 926-0450 Time Limits an operator files hi be filed in perso be sure of the handling. If you the planned wor Comme well operator's r from the applica The Ch 1) The 2) The 3) Dar 4) The 5) The mor if you request a copy List of to test your wate I hereby Application for a work order on F as described the I further a permit being is	d methods for filing comments of Application. You have FIFTI on or received in the mail by the date. Check with your post in have been contacted by the vick described in these materials that must be in writing. You may add other document on any and other document on any and other document on any and occur to publicly of proposed well work will constitute any and the committed as the proposed well work fails to proposed	EEN (15) DAYS as the Chief's office by the Chief's office by the Chief's office by the Chief's office by the Chief's office and the Chief's office and the Chief's office and the Chapter 22, as the Chapter 24, as the Chapter 34, and a soil and the Chapter 34, and the Ch	after the filing y the time sign adequate or you have sign at include you ation of the ketches, mark permit base he safety of dequate or e sources; sources or sources or a copy of tains a list of a copy of tains a list of the company or k describe the company Name	g date to file y tated above. delivery time gned a "volured at any time our name, adoproposed welps or photograted on comm persons. If ective; supplies; ous permit of to abate or so the order of water testing the Chief to SJECTION and that I have a consisting of all for proposed in these manual properties.	your comments. C You may call the C or to arrange spentary statement of received telephor Il site including distraphs to support your control of the control	comments must chief's office to ecial expedited to objection" to the number, the rict and county ur comments. In grounds: ation of one or violation". t, you should the you can hire the number and can hire the number and the nu
Sig	nature		By Its			Date
Johnny & Ta	mmie Cooper		113			
Prir	nt Name		·	Signature		Date

SURFACE OWNER WAIVER

County	Lincoln	Operator	HG E	nergy, LLC
		Operator well nur	nber <u>E.J. N</u>	/lay 149
	INSTRUCTIONS 1	O SURFACE OWNERS NAMED	ON PAGE WW2-A	<u>'3A</u>
(Note: If the sur name appeared you may be the work permits are	face tract is owned by make the sheriff's tax ticked only owner who will actual evalid for 24 months. If you know when we note: YOU.	e WW-2A / 3A is applying for a pore than three persons, then theset on the land or because you actually receive these materials.) Serou do not own any interest in the ho it is. Also, please notify the well ARE NOT REQUIRED TO FILE COMMENTS AND OBTAIN ADDITED.	se materials were se tually occupy the sure Chapter 22 of the surface tract, please all operator and the CANY COMMENT.	rved on you because your face tract. In either case, West Virginia Code. Well forward these materials to Office of Oil and Gas.
Chief, Office of C Department of E 601 57 th St. SE Charleston, WV (304) 926-0450	Environmental Protection			
rime Limits and operator files his be filed in perso be sure of the handling. If you the planned wor Comme well operator's refrom the applica The Chillian The 2) The	s Application. You have In or received in the mail date. Check with your have been contacted by k described in these materials must be in writing. The mane and well number and tion. You may add other ef has the power to deny proposed well work will consoli erosion and sediments.	nments. The law requires these in FIFTEEN (15) DAYS after the filing by the Chief's office by the time is postmaster to ensure adequate the well operator and you have serials, then the permit may be issued a comment of the documents, such as sketches, may or condition a well work permit be constitute a hazard to the safety of the control plan is not adequate or eacly owned lands or resources;	g date to file your co tated above. You m delivery time or to igned a "voluntary stated at any time. our name, address a proposed well site in aps or photographs to sed on comments or f persons.	amments. Comments must ay call the Chief's office to arrange special expedited atement of no objection" to and telephone number, the acluding district and county a support your comments.
4) The 5) The more If you v	proposed well work fails applicant has committed of the rules promulgated want a copy of the perr	to protect fresh water sources or sold a substantial violation of a previounder Chapter 22, and has faile nit as it is issued or a copy or	ious permit or a sub d to abate or seek re	view of the violation".
to test your wate I hereby Application for a	Vater Testing Laborator or to establish water qualit VOLU state that I have read the Well Work Permit on For	ries. The Office maintains a list of y prior to and after drilling. Contain JNTARY STATEMENT OF NO Office instructions to surface owners arm WW2-A / 3A, and attachments y plat, and a soil and erosion plan	nct the Chief to obtain BJECTION and that I have receive some consisting of the greet of the consisting of the greet of th	a copy. Catholic Dof a Notice and Strong Care Country of the Care
	•			
I further	state that I have no object sued on those materials.	tion to the planned work describe	d in these materials,	and it have no objection to
,	ON BY A NATURAL PERS	SON FO		epartment of ।ରମ୍ପୟPProtection TC.
) 41	of Oal bid	Date 7-26-16 Company		
Sig	nature	By		
David Adkir	ns	Its		Date
Prin	t Name		Signature	Date

WW.	-2B1
(5-1	2)

Well No.	Austin Griffith No. 164
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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.

Certified Laboratory Name Sampling Contractor		Sturm Environmental
		Sturm Environmental
Well Operator	HG Energy, LLC	o
Address	5260 Dupont Re	oad
	Parkersburg, W	V
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 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.

* All water sources shown on the topo Office of OH and Gas been recently tested.

AUG I 0 2018

> WV Department of Environmental Protection

Well No.

EJ May 149 Rev

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.

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.

Surface Owners Identified With Water Sources to be Sampled and Tested:

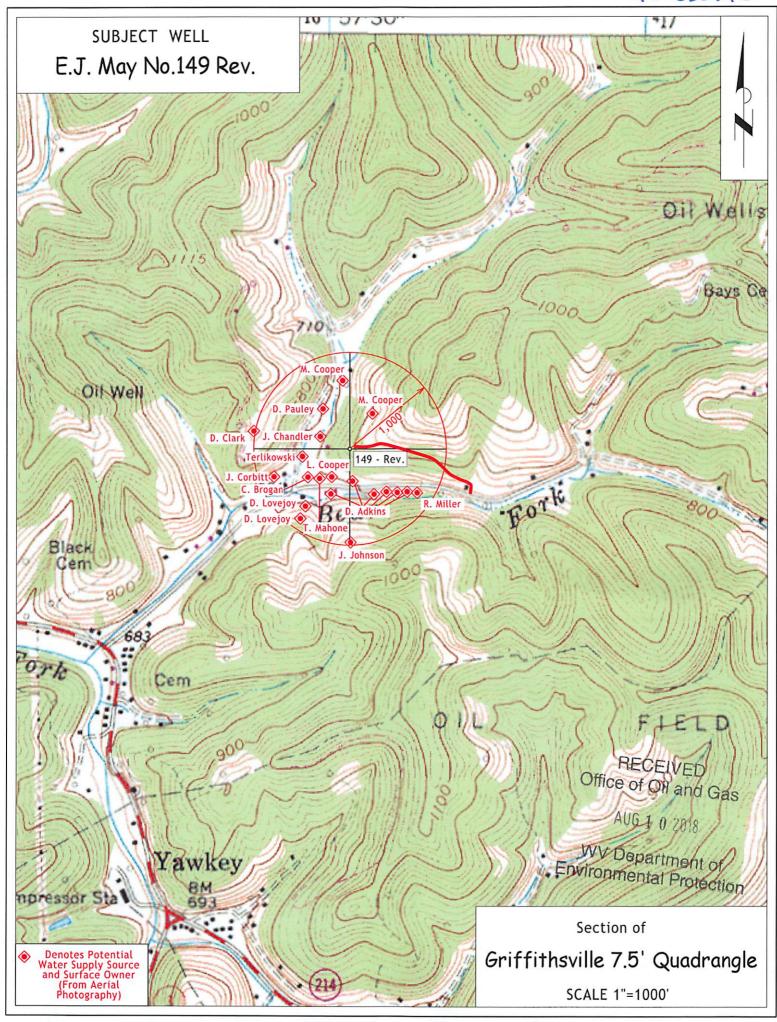
- * Michael Cooper P. O. Box 32 Yawkey, WV 25573
- * Tammy Mahone 6 Anchor Drive Yawkey, WV 25573
- * David Pauley
 P. O. Box 198
 Griffithsville, WV 25521

- Robert & Beth Miller
 142 Bear Fork Road
 Yawkey, WV 25673
- James & Rebecca Corbitt
 5710 MacCorckle Ave, SE
 Charleston, WV 25304
- David & Vicky Adkins
 5115 Straight Fork Road
 Griffithsville, WV 25521
- David Terlikowski
 P. O. Box 173
 Griffithsville, WV 25521
- Jonathan Johnson
 Bethel Drive
 Yawkey, WV 25573
- David Clark
 PO Box 149
 Griffithsville, WV 25521
- Dwight Lovejoy
 5 Bethel Drive
 Yawkey, WV 25573
- John Chandler
 62 Bear Fork Road
 Yawkey, WV 25573
- * Carolyn Brogan 4553 Midway Road Yawkey, WV 25573
- Lorene Cooper, Est, c/o Johnny Cooper
 PO Box 175
 Griffithsville, WV 25573

RECEIVED
Office of Oil and Gas

AUG 1 7 2018

WV Department of Environmental Protection



Environmental Protection

WW-9 (2/15)

API Number 47	
Operator's	Well No. E. J. May No. 149

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

FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name HG Energy, LLC OP Code UIC2R04302AP
Watershed (HUC 10) Straight Fork Quadrangle Griffithsville 7.5'
Do you anticipate using more than 5,000 bbls of water to complete the proposed well work? Yes No
Will a pit be used? Yes No
If so, please describe anticipated pit waste: Fluids encountered while drilling & water, Former, KCI
Will a synthetic liner be used in the pit? Yes No If so, what ml.? 20 ML
Proposed Disposal Method For Treated Pit Wastes:
Land Application
Underground Injection (UIC Permit Number) Reuse (at API Number)
Off Site Disposal (Supply form WW-9 for disposal location)
Other (Explain
Will closed loop system be used? If so, describe: No
Drilling medium anticipated for this well (vertical and horizontal)? Air, freshwater, oil based, etc. Air, Fresh Water
-If oil based, what type? Synthetic, petroleum, etc. NA
Additives to be used in drilling medium? Water, Soap, KCI
Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. Remove offsite
-If left in pit and plan to solidify what medium will be used? (cement, lime, sawdust) NA
-Landfill or offsite name/permit number?
Permittee shall provide written notice to the Office of Oil and Gas of any load of drill cuttings or associated waste rejected at any West Virginia solid waste facility. The notice shall be provided within 24 hours of rejection and the permittee shall also disclose where it was properly disposed.
I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on August 1, 2005, by the Office of Oil and Gas of the West Virginia Department of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations of any term or condition of the general permit and/or other applicable law or regulation can lead to enforcement action. I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments thereto 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 or imprisonment.
Company Official Signature Diane White OFFICIAL SEAL NOTARY PUBLIC
Company Official (Typed Name) Diane White
Company Official Title Agent Parkersburg West Virginia 26101 My Commission Expires Apr 26, 2020
Samatina
Subscribed and sworn before me this 19th day of July , 20 18 RECEIVED
Office of Oil and Gas
My commission expires 4/26/2020 AUG 17 2018
WV Department of

Form WW-9 Operator's Well No. E. J. May No. 149 HG Energy, LLC Proposed Revegetation Treatment: Acres Disturbed 1.12 Prevegetation pH 3 Tons/acre or to correct to pH 6.5 Fertilizer type 10-20-20 4. 500 lbs/acre Fertilizer amount Mulch_Straw 2 __Tons/acre **Seed Mixtures** Temporary Permanent Seed Type lbs/acre Seed Type lbs/acre Tall Fescue Tall Fescue 40 40 5 **Ladino Clover Ladino Clover** 5 **Sediment Control Will Be Maintained At All Times**

(__) No

Field Reviewed?

