

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

March 31, 2015

WELL WORK PERMIT

Secondary Recovery Well

This permit, API Well Number: 47-8704763, 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.

Operator's Well No: A.J. EPLING 119

Farm Name: FISHER, RICHARD & RONALD

James Martin

API Well Number: 47-8704763

Permit Type: Secondary Recovery Well

Date Issued: 03/31/2015

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:	01/12/20	15					
2) Operato		No. AJ Epling 119					
3) API We	ell No.:	47	-	Roane	-	s	
and a single of the		State		County	-	-	Permit
4) UIC Per	mit No.	11100	DOOT	0440			

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

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7) WELL OPER						8) DESIGNA	ATED AGI	ENT		
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) OIL & GAS II	VSPECTO	OR TO BE	NOTE:	DI ED		10) DDT 10				
Vame Ed Ga		of 10 bl	NOTIFI	LED		10) DRILLIN Name To				
Address P.O.	Box 821					Address	be Determi	ned upon App	proval of Permit	
Spend	er, WV 252	276								
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WV Department of Environmental Protection

CK*289300

FORM WW-3 (A) 1/12



1)	Date:	January 1	2, 2015	5				
2)	Operator	r's Well	No.	A.J. Ep	ling 119			
3)	API We	11 No.:	47	-		-		
			State		County	_	Permit	
4)	UIC Perr	nit No.	UIC2F	R08704	AP			

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 (a) Name Address	rner(S) To Be Served Richard Fisher 4513 Clay Road Spencer, WV 25276	(a) Coal Operator Name Address	
(b) Name Address	The state of the s	(b) Coal Owner(S) With D Name Address	eclaration Of Record
(c) Name Address		Name Address	
6) Inspector Address Telephone	Ed Gainer 7 P. O. Box 821 Spencer, WV 25276 304-389-7582	Name Address	aration Of Record
(1) The Appl parties in (2) The plat ((3) The Cons plan for e	PERSONS NAMED ABOVE: You show ication For A Liquid Injection or Waste Dis- volved in the drilling or other work; surveyor's map) showing the well location on truction and Reclamation Plan on Form WW- rosion and sediment control and for reclamation proposed for the first injection or waste d	Form WW-6; and -9 (unless the well work is con for the site and access roa	n Form WW-3(B), which sets out the only to plug a well), which sets out the
APPLICATION	N YOU HAVE RECEIVED THESE DOCU N WHICH ARE SUMMARIZED IN THE "I ATION [(FORM WW-3(B)] DESIGNATED ALL.	NSTRUCTIONS" ON THE	E REVERSE SIDE OF THE COPY OF
Notice and Ap West Virginia Application an and Reclamation	at under Chapter 22-6 of the West Virginia Co- plication and accompanying documents for a Department of Environmental Protection, w d depicted on the attached Form WW-6. Cop on Plan have been mailed by registered or cer in certain circumstances) on or before the day	Well Work Permit with the with respect to a well at the pies of this Notice, the App tified mail or delivered by l	the Chief of the Office of Oil and Gas, the location described on the attached lication, the plat, and the Construction thand to the person(s) named above (or
	The person signing this documen	t shall make the following	g certification:
am familiar wit attachments an immediately re	penalty of law that I have personally examine the the information submitted in this document d that, based on my inquiry of those individual sponsible for obtaining the information, I belied is true, accurate and complete. I am aware the	and all Address ls eve that By:	HG Energy, LLC 5260 Dupont Road Parkersburg, WV 26101 Diane White Agent
the possibility	n is true, accurate and complete. I am aware the penalties for submitting false information, in the office of the and imprisonment.	of Oil and Gas.	Diane White

FEB 0 6 2015

WV Department of Environmental Protection Office of Oil and Gas
Office of Oil and Gas
FEB 0 6 2015
FEB 0 WV Department of
WV Department of
Environmental Protection

5453 0000 4074 7014 Street, Apt. No.; or PO Box No. Sent To Restricted Delivery Fee (Endorsement Required) Return Receipt Fee (Endorsement Required) City, State, ZIP+4 PS Form 3800, August 2006 For delivery information visit our website at www.usps.coma U.S. Postal Service...
CERTIFIED MAIL... RECEIPT Total Postage & Fees (Domestic Mail Only; No Insurance Coverage Provided) Certified Fee Postage 4513 Spencer, WV 25276 Richard Fisher et al. co 3.30 270 7.61 1.61 Clay Road JAN 12 2015 See Reverse for Instructions Postmark Here AJE 119

HG ENERGY, LLC 03-11 304-422-6565 5260 DUPONT RD	2893	3
PARKERSBURG, WV 26101 WV D.E.P.	DATE1—13-2015 \$ 650.00	02
ndred Fifty Dollars and 00/100	DOLLARS ①	Security Features Details on fisch.
roples (a) BOO.374.8123 PROPER BUIlding Success. it A J Epling No. 119	Be I Belle	MP 04/0





WW-2B1 (5-12)

Well No. A. J. Epling 119

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 Sturm Environmental

Sampling Contractor

Sturm Environmental

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 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.

Surface Owners Identified for Sampling / Analysis:

HECEIVED Richard Fisher

Office of Oil and Gas Clay Road

Office of Oil and Gas Spencer WV 25276

FEB 0.6-2015. Brenda Chadwell

4580 Clay Road

4794 Clay Road

WV Department of encer WV 25276 **Environmental Protection**

Spencer WV 25276

Spencer WV 25276

SEE TOPO MAP.

WW-9 Rev. 5/10

	Page 435	of	
API Number 47 -	·	•	
Operator's Well N	O. AJ Epling 119)	

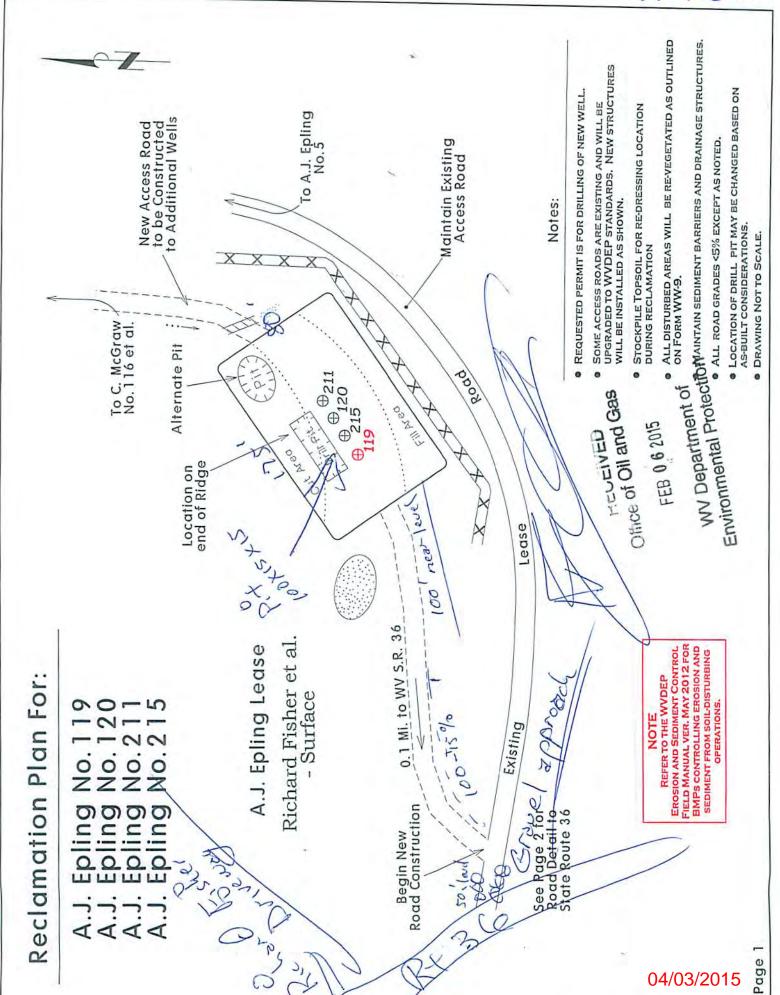
STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION OFFICE OF OIL AND GAS

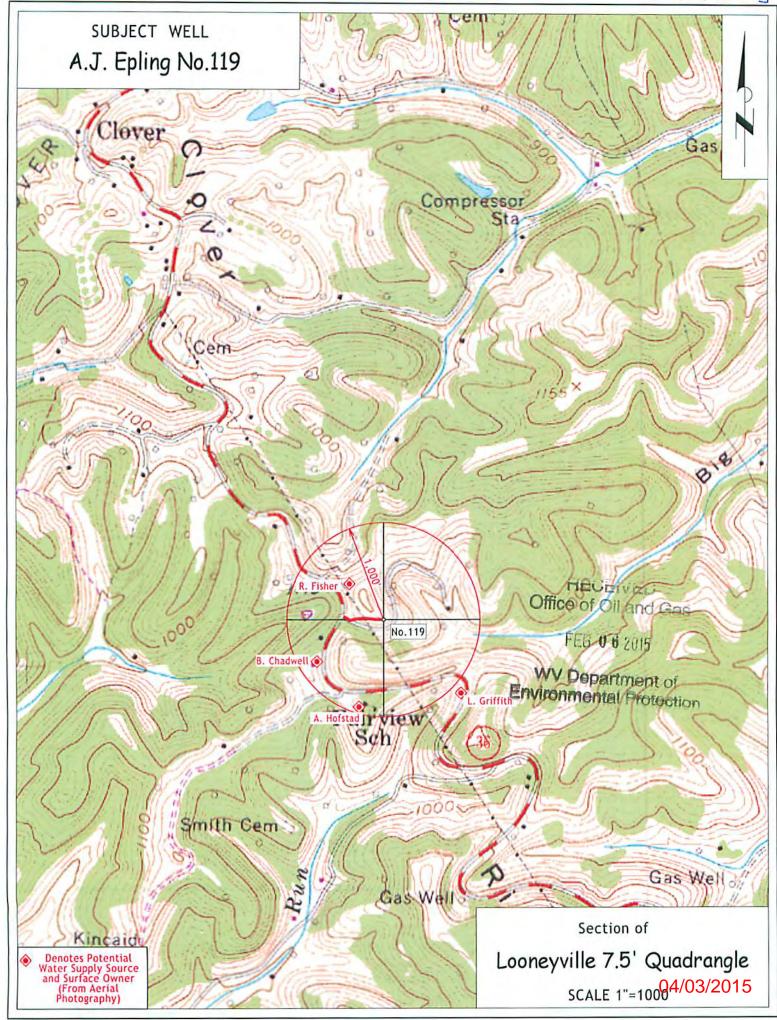
CONSTRUCTION AND RECLAMATION PLAN AND SITE REGISTRATION APPLICATION FORM GENERAL PERMIT FOR OIL AND GAS PIT WASTE DISCHARGE

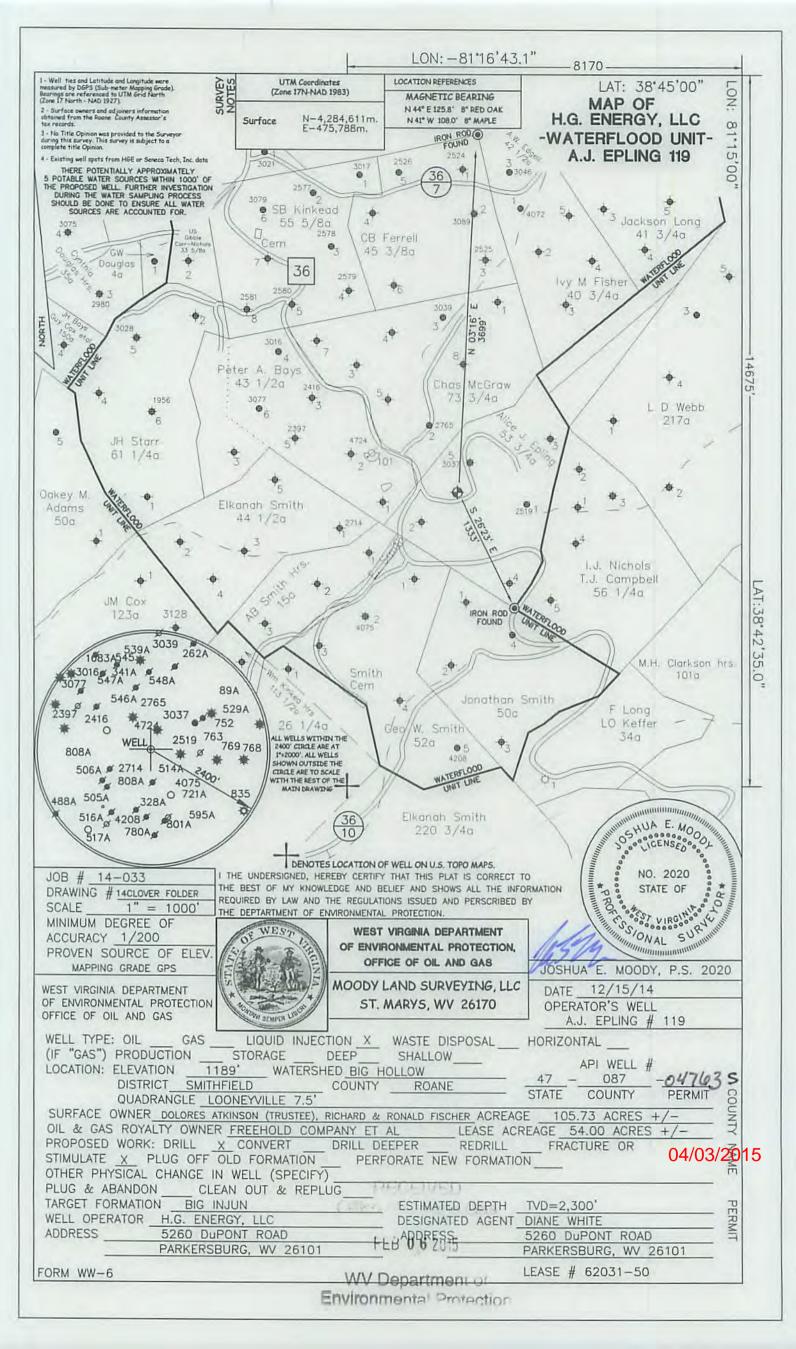
'	JENERAL PERMIT FOR OIL AND G	AS PIT WASTE DISCHARGE
Operator Name_ HG Energy, L	LC	OP Code <u>494497948</u>
Watershed Rush Run	Qua	adrangle Looneyville 7.5'
Elevation 1189'	County Roane	District Smithfield
Description of anticipated Pit V	Vaste: Fluids encountered while drilling	g shallow well
Do you anticipate using more t	han 5,000 bbls of water to complete the	proposed well work? Yes No _X
Will a synthetic liner be used in	n the pit? Yes	hat mil.? 20 mil
	d Application erground Injection (UIC Permit Numb	
Drilling medium anticipated for a large of the large of t	r this well? Air, freshwater, oil based, oe? Synthetic, petroleum, etc. NA Soap, KCI	etc. Air, Fresh Water
-If left in pit and plan		ctc. Leave in pit Ccment, lime, sawdust Native soil, cement, lime
on August 1, 2005, by the Offic provisions of the permit are er law or regulation can lead to er I certify under penalt application form and all attac obtaining the information, I be	ce of Oil and Gas of the West Virginia I forceable by law. Violations of any to forcement action. y of law that I have personally examinate the contract of t	ons of the GENERAL WATER POLLUTION PERMIT issued Department of Environmental Protection. I understand that the erm or condition of the general permit and/or other applicable and am familiar with the information submitted on this may inquiry of those individuals immediately responsible for curate, and complete. I am aware that there are significant fine or imprisonment.
Company Official Signature	Diane White	Office of Oil and Gas
Company Official (Typed Nan	ne) Diane White	;
Company Official Title Agent		FEB 0 6 2015
company Official Title		WV Department of
Subscribed and sworn before m	te this 12th day of January	Environmental Protection 20_15
My commission expires	4.4, 8016	Public OFFICIAL SEAL NOTARY PUBLIC STATE OF WEST VERGINIA S. DIANNE DULANEY P. O. Box 5519 Vienns, West Virginia 26105 My Commission Expires Oct. (12016) 3/2(

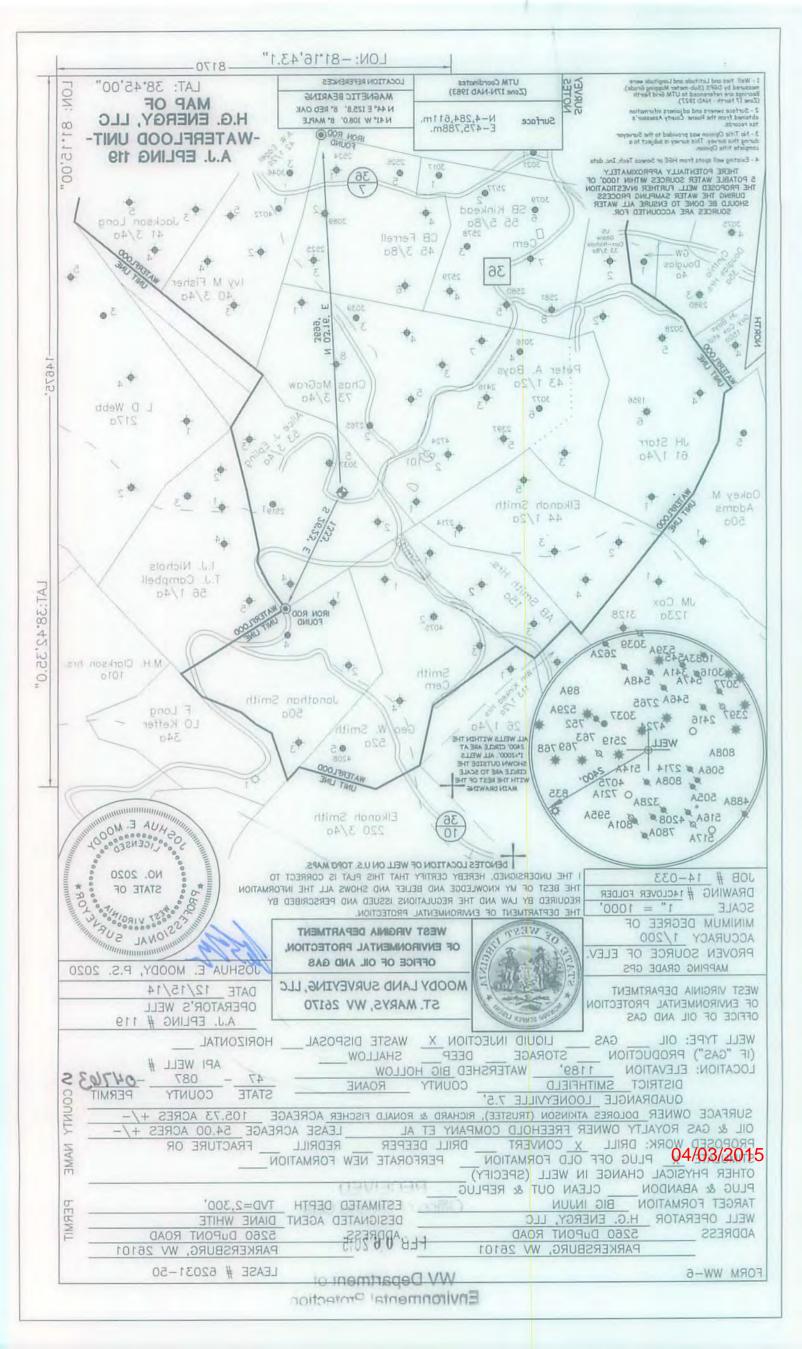
Operator's Well No. AJ Epling 119

			LECEND			
Property Boundary	-		Diversion (1.11)			
Rond = = = =	====	=	Spring O			
Existing Fence — X		_	Wet Spot			
Planned Fence / / /			Drain Pipe with size in inches			
Stream	77	· ·				
Open Ditch			Cross Drain			
Rock #8588	_		Artificial Filter Strip	***********		
North N			Pit: cut walls	C.		
Buildings			Pit: compacted fill wall	5 Julie		
Water wells			Area for Land Applica	Decer Co		
Drill site						
Proposed Revegetation Treat	tment: Acres Distur	rbed_ 0.8	acres Preveget	ation pH		
Lime	3 Tons/acre or to	o correct to pH	0 -			
Fertilizer (10-20-20	or equivalent)	500 ,,,/	(500 H			
Straw			nere (500 lbs minimum)			
Mulch_Otravv		2 Tons/ac	re			
		Seed	Mixtures			
Ar	ea I			Area II		
Seed Type	lbs/acre		Seed Type			
Tall Fescue	40		Tall Fescue	40		
Ladino Clover	5		Ladino Clover	5		
Sediment control to	o be in place	at all times	5.			
Attach: Drawing(s) of road, location,	pit and proposed are	ea for land applic	cation.			
Photocopied section of involve	ved 7.5' topographic	cheet		HECEIVED		
- more sepred neonen et myer	red 7.5 topograpme	SHEEL.	7	Office of Oil and Gas		
			1	E45 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		
Plan Approved by:				FEB 0 6 2015		
Comments:				WV Department of		
				Environmental Protection		
1			1.	1		
Title: Inspect	01		Date: 1 24	0/15		
Field Reviewed?	X Was) No	1		



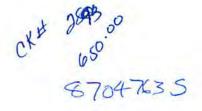








HG Energy, LLC 5260 Dupont Road Parkersburg, WV 26101 (304) 420-1100 - Office (304) 863-3172 - Fax



January 12, 2015

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

RE: A. J. Epling No. 119

Smithfield District, Roane County

West Virginia

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 an injection well. Also enclosed is our check in the amount of \$650.00 to cover the associated permit fees.

Very truly yours,

Diane CWhite

Diane C. White

Enclosures

cc: Richard Fisher - Certified

Ed Gainer - Inspector

RECEIVED
Office of Oil and Gas

FEB 0 6 2015

WV Department of Environmental Protection