

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

June 17, 2013

WELL WORK PERMIT

Secondary Recovery Well

This permit, API Well Number: 47-4303459, 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.

Chief

lames Martin

Operator's Well No: J.A. FOWLER NO. 111

Farm Name: MCCLURE, ANDY J. & REBECCA

API Well Number: 47-4303459

Permit Type: Secondary Recovery Well

Date Issued: 06/17/2013

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 within 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 20 mil thickness synthetic liner.
- 5. No land application of pit fluids.

WW-3B 10/07



1) Date	e April 23, 2013					
2) Operator's Well	No.	J. A. Fowler No. 111				
3) API Well No.	47	-	043	-		
	State		County	X.J	Permit	
4) UIC Permit No.		τ	JIC2R0430	1AP		

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

	E:	Liquid	l Injection	X	_	Gas Injection	(not storag	ge)	Waste	Disposal		_
) LOCATION		Elevation	912'			Wate	rshed	Porter	Fork			
	District		Duval		Count	y Lincol	n —		Quadrangle	Grif	ffithsvill	e 7.5'
) WELL OPE	RATOR:	HG Ener	gy, LLC		494497948	8) DES	SIGNATE	O AGENT	: M	like Kirsc	h	
· - carabast - i		STATISTIC CONTRACTOR	ont Road		24 053 71 75 50 20	-				260 Dupo	nt Road	
		Parkersh	urg, WV 2	26101		Ē.			P	arkersbu	rg, WV 2	6101
OIL & GAS	INSPECTO	OR TO BE	NOTIFIE	D:		10) DI	RILLING	CONTRA	CTOR:			
	Name	Ralph Tr	riplett					Nam	e			
	Address	5539 Mc						Addres	s			
		Branchla	ind, WV 2	5506								
1) PROPOSED	WELL W	ORK:	Drill	X		Drill Deeper		Redril	1 5	Stimulate	X	
					ld Formatio		Perforate	New Form	nation		Convert	
			Other	Physica	al Change ir	Well (specify)						
Geological ta	arget form	ation		Berea		Depth		2,383	Ft. (Top) to		2,404	Ft. (Botton
3) Estimated d	epth of cor	npleted we	ell (or actu	al dept	h of existing	well)	2504'		F	t.		
4) Approximate	e water str	ata depths	3:	Fresh	4	280	Ft.		Salt	988	3	Ft.
5) Approximate	e coal sean	depths:			340		Ft.					
6) Is coal being	mined in	the area?			Yes		X	No				
7) Virgin reser	voir pressu	re in targ	et formati	on:		1,2	50	psig.	Source		Estima	ed
		acture pres	ssure:			2,6	50	psig.				
8) Estimated re	eservoir fr			PD ATTIC	NS. Vo			psig.	Bottom Hole	Proceura	9	400 nei
.8) Estimated re .9) MAXIMUM	eservoir fra PROPOSE	D INJEC	IION OPI			lume per hour	25 BBL		Bottom Hole		-	,400 psi
.8) Estimated re .9) MAXIMUM .0) DETAILED	eservoir fra PROPOSE IDENTIFI	CATION (TION OPE	RIALS	TO BE INJ	olume per hour ECTED, INCLU	25 BBL				-	,400 psi r, bactericid
.8) Estimated ro9) MAXIMUM .0) DETAILED and other ch	eservoir fra PROPOSE IDENTIFI nemicals as	CATION (TION OPE OF MATE maintain	RIALS water	TO BE INJ quality and	olume per hour ECTED, INCLU improve oil reco	25 BBL				-	
28) Estimated recognition of the control of the con	eservoir fra PROPOSE IDENTIFI iemicals as	CATION (IION OPE OF MATE maintain Cartridge	RIALS water	TO BE INJ quality and and/or coal	olume per hour ECTED, INCLU improve oil reco bed filters	25 BBL JDING AD overy.	DITIVES			-	
28) Estimated recognition of the control of the con	eservoir fra PROPOSE IDENTIFI iemicals as	CATION (IION OPE OF MATE maintain Cartridge	RIALS water	TO BE INJ quality and and/or coal	olume per hour ECTED, INCLU improve oil reco	25 BBL JDING AD overy.	DITIVES			-	
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8) Estimated re 9) MAXIMUM 0) DETAILED and other ch 1) FILTERS (II 2) SPECIFICA 3) CASING AN	PROPOSE IDENTIFI DENTIFI DEMICALS AS F ANY) TION FOR	CATION (needed to CATHOI CATH	TION OPF OF MATE maintain Cartridge DIC PROT AM	RIALS water a filters ECTIO	TO BE INJ quality and and/or coal N AND OTH	elume per hour ECTED, INCLU improve oil reco bed filters HER CORROSIO	25 BBL JDING AD overy. ON CONT	DITIVES	Fresh wat	er, produ	ced wate	
8) Estimated re 9) MAXIMUM 0) DETAILED and other ch 1) FILTERS (II 2) SPECIFICA 3) CASING AN EASING OR TUBING TYPE	eservoir fra PROPOSE IDENTIFI aemicals as F ANY) TION FOR	CATION (needed to CATHOI CATHOI	TION OPF OF MATE maintain Cartridge DIC PROT	RIALS water filters ECTIO	TO BE INJ quality and and/or coal N AND OTH	olume per hour ECTED, INCLU improve oil reco bed filters HER CORROSI	25 BBL JDING AD overy. ON CONT	DITIVES	Fresh wat	er, produ	ced wate	r, bactericid
8) Estimated re 9) MAXIMUM 0) DETAILED and other ch 1) FILTERS (II 2) SPECIFICA 3) CASING AN EASING OR TUBING TYPE Conductor	PROPOSE IDENTIFI IDEN	CATION (needed to CATHOL CATHOL GPROGR. SPECII Grade	TION OPE OF MATE maintain Cartridge DIC PROT AM FICATION Weight	RIALS water filters ECTIO	TO BE INJ quality and and/or coal N AND OTH	elume per hour ECTED, INCLU improve oil reco bed filters HER CORROSIO FOOTAGE IN For Drilling	25 BBL UDING AD overy. ON CONT TERVALS Left in	DITIVES ROL Well	CEMENT F	er, produ	P. Kinds	nr, bactericid
8) Estimated re 9) MAXIMUM 0) DETAILED and other ch 1) FILTERS (II 2) SPECIFICA 3) CASING AN EASING OR TUBING TYPE conductor dresh Water	PROPOSE IDENTIFI DENTIFI DEMICALS AS F ANY) TION FOR	CATION (needed to CATHOI CATH	TION OPF OF MATE maintain Cartridge DIC PROT AM	RIALS water a filters ECTIO	TO BE INJ quality and and/or coal N AND OTH	elume per hour ECTED, INCLU improve oil reco bed filters HER CORROSIO	25 BBL JDING AD overy. ON CONT	DITIVES ROL Well	Fresh wat	er, produ	ced wate	nr, bactericid
9) MAXIMUM 0) DETAILED and other ch 1) FILTERS (II 2) SPECIFICA 3) CASING AN CASING OR CUBING TYPE conductor Tresh Water	PROPOSE IDENTIFI IDEN	CATION (needed to CATHOL CATHOL GPROGR. SPECII Grade	TION OPE OF MATE maintain Cartridge DIC PROT AM FICATION Weight	RIALS water filters ECTIO	TO BE INJ quality and and/or coal N AND OTH	elume per hour ECTED, INCLU improve oil reco bed filters HER CORROSIO FOOTAGE IN For Drilling	25 BBL UDING AD overy. ON CONT TERVALS Left in	DITIVES ROL Well	CEMENT F	er, produ	PA Kinds Tension	ACKERS
9) Estimated re 9) MAXIMUM 10) DETAILED and other ch 11) FILTERS (III 22) SPECIFICA 13) CASING AN 14 15 ASING OR 15 UBING TYPE onductor 16 resh Water 16 ond other resh water 17 ond other resh water 18 ond other resh water 18 ond other resh water 19 ond other resh water 19 ond other resh water 19 ond other resh water	PROPOSE IDENTIFI IDEN	CATION (needed to CATHOL CATHOL GPROGR. SPECII Grade	TION OPE OF MATE maintain Cartridge DIC PROT AM FICATION Weight	RIALS water filters ECTIO	TO BE INJ quality and and/or coal N AND OTH	elume per hour ECTED, INCLU improve oil reco bed filters HER CORROSIO FOOTAGE IN For Drilling	25 BBL UDING AD overy. ON CONT TERVALS Left in	ROL Well	CEMENT F	er, produ	P. Kinds Tension Sizes	ACKERS
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9) MAXIMUM 10) DETAILED and other ch 11) FILTERS (III 22) SPECIFICA 13) CASING AN 14 15 ASING OR 16 UBING TYPE onductor 17 resh Water 18 online onlin	PROPOSE IDENTIFI IDEN	CATION (needed to CATHOL CATHOL GPROGR. SPECII Grade L.S.	PION OPF OF MATE organization Cartridge DIC PROT AM FICATION Weight 17#	RIALS water filters ECTIO	TO BE INJ quality and and/or coal N AND OTH	ECTED, INCLU improve oil reco bed filters HER CORROSI FOOTAGE IN For Drilling 440'	25 BBL UDING AD overy. ON CONT TERVALS Left in 440	ROL Well	CEMENT FOR SACKS (Cement to Su	er, produ	P. Kinds Tension Sizes 2.375" >	ACKERS 4.5" Set
9) MAXIMUM 0) DETAILED and other ch 1) FILTERS (II 2) SPECIFICA 3) CASING AN CASING OR CUBING TYPE conductor resh Water coal intermediate reduction	PROPOSE IDENTIFI IDEN	CATION (needed to CATHOL CATHOL GPROGR. SPECII Grade L.S.	PION OPF OF MATE organization Cartridge DIC PROT AM FICATION Weight 17#	RIALS water efilters ECTIO	TO BE INJ quality and and/or coal N AND OTH	ECTED, INCLU improve oil reco bed filters HER CORROSI FOOTAGE IN For Drilling 440'	25 BBL UDING AD overy. ON CONT TERVALS Left in 440	ROL Well	CEMENT FOR SACKS (Cement to Su	er, produ	P. Kinds Tension Sizes 2.875" > Depths 2100'	ACKERS 4.5" Set
8) Estimated re 9) MAXIMUM 10) DETAILED and other ch 11) FILTERS (II) 12) SPECIFICA	PROPOSE IDENTIFI IDEN	CATION (needed to CATHOL CATHOL GPROGR. SPECII Grade L.S.	PION OPF OF MATE organization Cartridge DIC PROT AM FICATION Weight 17#	RIALS water efilters ECTIO	TO BE INJ quality and and/or coal N AND OTH	ECTED, INCLU improve oil reco bed filters HER CORROSI FOOTAGE IN For Drilling 440'	25 BBL UDING AD overy. ON CONT TERVALS Left in 440	ROL Well	CEMENT FOR SACKS (Cement to Su	er, produ	Kinds Tension Sizes 2.875" > Depths 2100' Perfora	ACKERS 4.5" Set
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9) MAXIMUM 0) DETAILED and other ch 1) FILTERS (II 2) SPECIFICA 3) CASING AN CASING OR CUBING TYPE Conductor Cresh Water Coal Intermediate Croduction Cubing	PROPOSE IDENTIFI IDEN	CATION (a needed to carried to ca	PION OPF OF MATE of maintain Cartridge OIC PROT AM FICATION Weight 17# 4.6#	RIALS water filters ECTIO	TO BE INJ. quality and and/or coal N AND OTH	ECTED, INCLU improve oil reco bed filters HER CORROSIO FOOTAGE IN For Drilling 440' 2504' 2200' Freeh	25 BBL UDING AD overy. ON CONT TERVALS Left in 440	ROL Well '	CEMENT FOR SACKS (Cement to Su	er, produ	Kinds Tension Sizes 2.875"> Depths 2100' Perfora	ACKERS 4.5" Set tions Bottom



MAY - 8 2013 06/21/2013 WW-3A 10/07



1) Date:		April 23, 2	2013		
2) Operator's We	ll No.	J. A. Fowl	er No. 1	11	
3) API Well No.	47	043			
	State	County		Permit	
4) IIIC Permit N	0	UIC2R043	301AP		

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

Surface Owner	(s) To Be Served	(a) Coal Operator	
(a) Name	Andy & Rebecca McClure	Name	NA
Address	109 Coon Whistle Hollow	Address	
	Yawkey, WV 25573		
(b) Name		7 (b) Coal Owner(s)	With Declaration Of Record
Address		Name	NA
		Address	
(c) Name			
Address		Name	
_		Address	
() Ito-	Ralph Triplett	7(c) Coal Lessee Wi	th Declaration Of Record
6) Inspector_	5539 McClellan Hwy	(c) compense	NA
Address_	Branchland, WV 25506	-	****
_		-	
Telephone _	389-0350	-	
O THE PERS	ON(S) NAMED ABOVE: You should have	received this fo	rm and the following documents:
(1) MI - 1	ation for a Liquid Injection or Waste Disposal W	ell Work Permit o	n Form WW-3(B), which
(1) The Applica	ation for a Liquid Injection or waste Disposal w	en work reimit o	ii i oriii w w -o(b), winen
sets out the	parties involved in the drilling or other work;	111111 0 1	
(2) The plat (sı	rveyor's map) showing the well location on Form	m WW-6; and	1
(3) The Constr	uction and Reclamation Plan on Form WW-9 (un	nless the well wor	k is only to plug a well),
which sets	out the plan for erosion and sediment control an	d for reclamation	for the site and access road.
he date propos	ed for the first injection or waste disposal is	To be determine	
HE REASON YO	DU RECEIVED THESE DOCUMENTS IS THAT YOU	J HAVE RIGHTS R	EGARDING THE APPLICATION
VHICH ARE SUI	MMARIZED IN THE "INSTRUCTIONS" ON FORM V	WW-3(A) DESIGNA	TED TO YOU. HOWEVER YOU
RE NOT REQU	RED TO TAKE ANY ACTION AT ALL.		
	der Chapter 22-6 of the West Virginia Code, the undersigned	l well operator propose	s to file or has filed this Notice and
ake notice that un	ompanying documents for a Well Work Permit with the Chie	of of the Office of Oil ar	nd Gas West Virginia Department of
pplication and acc	ection, with respect to a well at the location described on the	attached Application	and depicted on the attached Form
Invironmental Prot	ection, with respect to a well at the location described on the s Notice, the Application, the plat, and the Construction and	Dealermetion Plan has	to been mailed by registered or
VW-6. Copies of thi	s Notice, the Application, the plat, and the Construction and	en in anttain aircumst	anges) on or before the day of the
	ivered by hand to the person(s) named above (or by publicati	on in certain circumst	ances, on or before the day of the
nailing or delivery	to the Chief.		
	The person signing this document shall make the	following certification	on:
I certify under pen	alty of law that I have personally examined and am	Well Operator	HG Energy, LLC
amiliar with the in	formation submitted in this document and all attachments	Address	5260 Dupont Road
and that, based on a	ny inquiry of those individuals immediately responsible		Parkersburg, WV 26101
or obtaining the in	formation, I believe that the information is true, accurate		
and complete. I am	aware that there are significant penalties for submitting	By:	Diane C. White
alse information, in	acluding the possibility of fine and imprisonment."	Its:	Accountant
	The second of th		Received
			Office of Oil & Gas
		Signature	Diane Climile
	A CONTRACTOR OF THE CONTRACTOR		

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:

depprivacyofficer@wv.gov

WW-2B1 Well No. J. A. Fowler No. 111

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:

Contractor Nam	e 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.

Special Note:

Received

Water sampling was completed through out the Griffithsville area for the UIC permit review late in 2012. Per Jamie Gas Peterson, WVDEP, the timing of that large UIC sampling was sufficent for this Griffithsville project.

MAY - 8 2013

06/21/2013

Forn	1 WW-9
Rev.	10/94

	Page	3	of	3
API N	umber 47-	043		
Operator's Well No.	J. A. Fo	wler N	To. 111	

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 E	nergy, LLC			0	P Code 4944979	948
Watershed	Porte	r Fork		Q	uadrangle	Griffithsville 7.5'	385
Elevation	912'	County	Lincoln	43	District	Duval	02
Description of	anticipated Pit Was	ste: Fluids enco	untered in drilling s	shallow well.			- 4
Do you anticij	pate more than 5,000	bbls of water to con	nplete the proposed w	vell worl Yes	S	No X	
Will a synthet	tic liner be used in p	it? Yes	If so, what mil.?	10 Mil	- 201	MIC.	
Proposed Disp	osal Method For Tr	eated Pit Wastes:					
_	Land	Application					
		ground Injection (U	IC Permit Number)
1.9		(at API Number	E WIN o C 1:	11)
-	Other	(Explain	Form WW-9 for dispos	al location)			,
D.::!!:		_	21	A	****		
	um anticipated for the If oilbased, what ty		and the second s	Air, Fresh NA	Water		
Additives to b		er, Soap, KCI	neum, etc.	INA			
Drill cuttings	the state of the s		removed offsite, etc.				
	If left in pit and pla	an to solidify, what n	nedium will be used?	Cement, lime,	sawdust N	lative soil, cement, l	ime
	Landfill or offsite n	ame/permit number	?				
this applicatio for obtaining t	n form and all attac he information, I be	hments thereto and lieve that the inforn	that, based on my inquation is true, accurate he possibility of fine or	uiry of those in e and complete r imprisonmen	ndividuals in e. I am awar	information submitted nmediately responsible e that there are signifi	e .
Company Of	ficial Signature	_	Diane C	white	-		
Company Of	ficial (Typed Nam	e)	Diane C. White			¥	
Company Of	ficial Title		Accountant				
					- 1		
Subscribed a	nd sworn before m	this $\frac{23}{4}$	day of Apri	il 2013		otary Publicceived	
My commissi	on expires	MOD 12.	2018			Office of Oil &	Gas
Form WW-9	-		J=		-		Alle
The state of the s		2	}	WEST	O	FFICIAL SEAL 20 TARY PUBLIC	13
	- *			1 3 A	STATE	OF WEST VIRGINIA	1
Sel .	4-		1	(Tenis	§ H	A L. PETHTEL G Energy, LLC	1
				The state of the s	Parkersbur	60 Dupont Road rg, West Virginia 26101 ion Expires Nov. 12, 201	06/2
1	1 2 10	10	- 1	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	My Commiss	ion Expires Nov. 12, 201	8

\/\/\/\9_Back

Legend

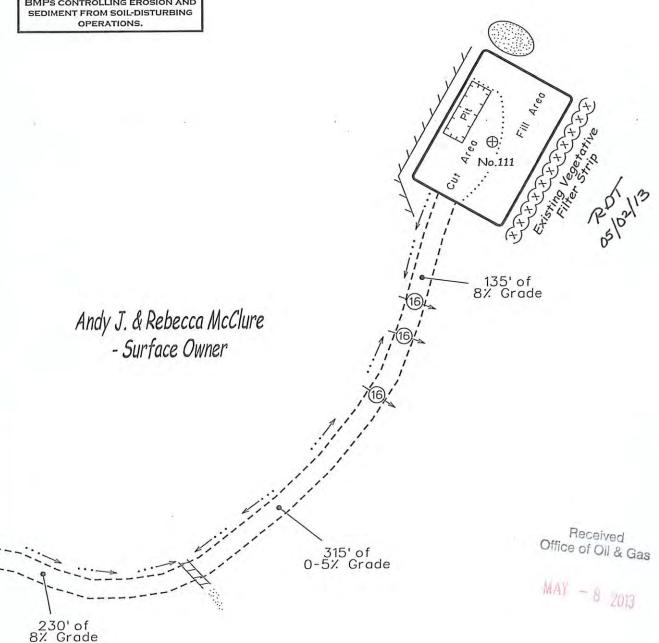
Property Boundary	AAAAA	Diversion		
Road		Spring	<u></u> →	
Existing Fence	xx	Wet Spot	8	
Planned Fence	// /	Drain Pipe		
Stream		Waterway	$ \longleftrightarrow \longleftrightarrow \hookrightarrow $	
Open Ditch	>	Cross Drain	7/7////////////////////////////////////	
Rock	<i>Section</i> 5	Filter Strip	XXXXXXXXXX	
	-	Pit: Cut Walls	Current !	
North	N	Dia Compared	y Living	
Buildings		Pit: Compacted Fill Walls	1	I
Water Wells	W	Area of Land		
Drill Site	\oplus	Application of Pit Waste	المارية المارية	
				•
	Δ	rea I		
Proposed Revegetation Treatm			evegetation pH	
Topousa No. oBoundary		rea II		
	Approx	t. 1.0 Ac.		
Lime	2 Tons/Acre or	Correct to pH 6.5		
	zer (10-20-20 or Equivalent)	500 Lbs./Acre (500	lbs. Minimum)	
Mulch	Straw 2 Tons/.	Acre	•	
	SEED M	AXTURES		
	2 · · · · · · · · · · · · · · · · · · ·		Area II (Road)	
	Lbs/Ac.	Seed Type	Lbs/Ac.	
Seed Type Tall Fescue	40	Tall Fescue	40	
Ladino Clover	5	Ladino Clover	3	
Attach:	pit and proposed area for land applicat	ion		
Photocopied section of involv	red 7.5' topographic sheet.			
	N d · ats			
Plan approved by: Ra	epl N. '/rupiate()			
Comments:	Receive	d		
- i\ a	Office of Oil a	<u>ਕੇ ਉਕਤ</u>	Date: May 2, 2013	
Title: . We	strict inspected.		- - 	
Field Reviewed?	(V) Yes MAY = 8	2013	·) No ·//	<i>;</i> ·

Reclamation Plan For:

J.A. Fowler No. 111

NOTE

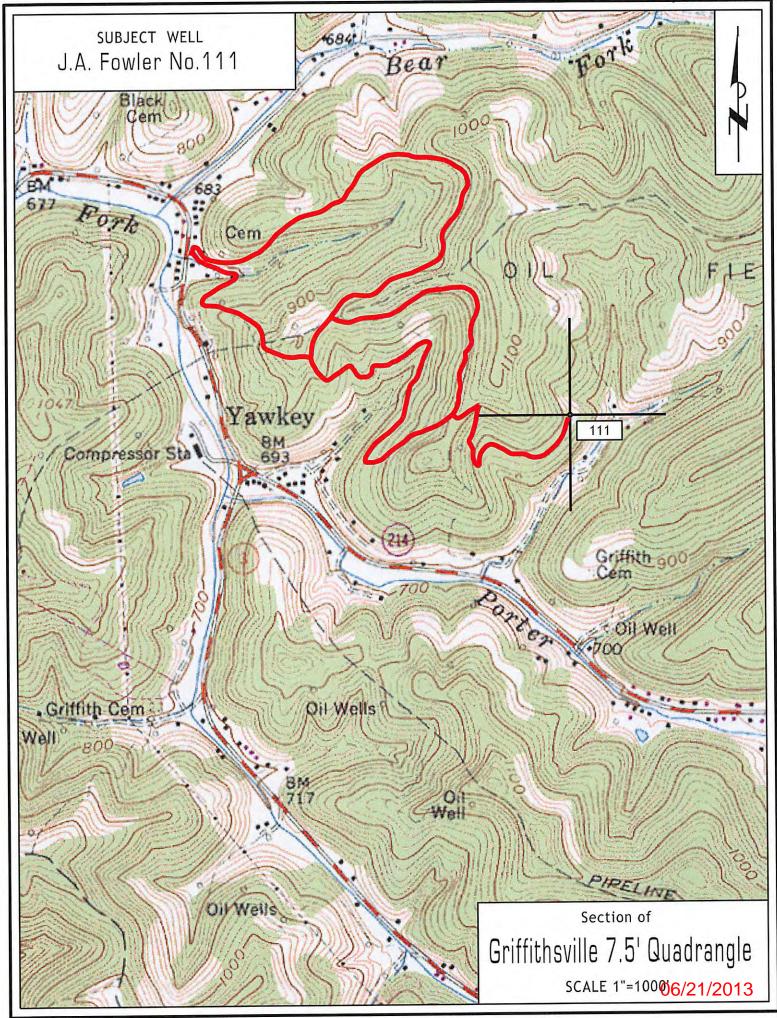
REFER TO THE WVDEP
EROSION AND SEDIMENT CONTROL
FIELD MANUAL VER. MAY 2012 FOR
BMPS CONTROLLING EROSION AND
SEDIMENT FROM SOIL-DISTURBING
OPERATIONS.

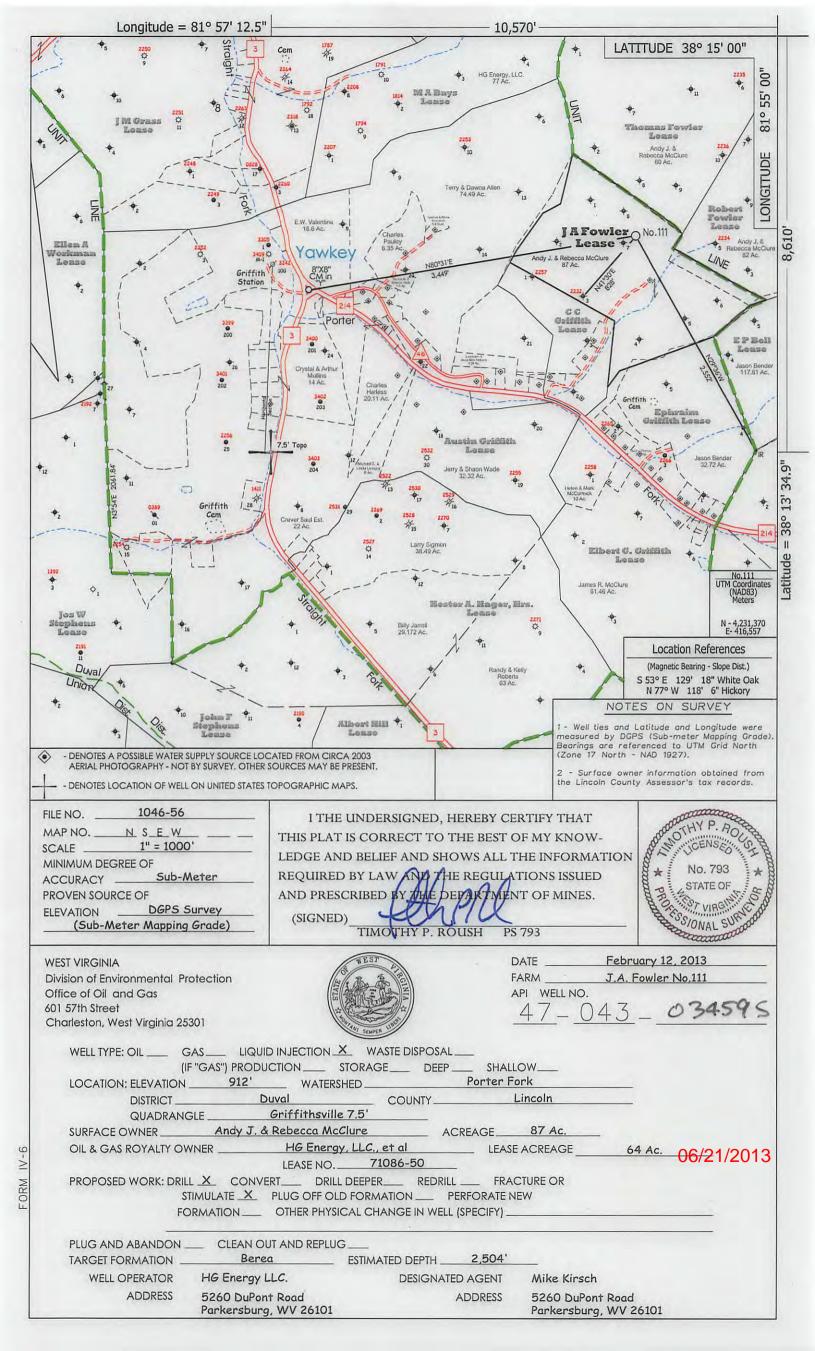


Notes:

- Requested permit is for drilling of new well.
- Portions of Access road from St. Rt. 3 to Pt. Ais existing. Structures will be maintained or upgraded as needed.
- All disturbed areas will be re-vegetated as outlined on Form WW-9.
- Maintain sediment barriers and drainage structures.
- All road grades <5% except as noted.
- Location of drill pit may be changed based on as-built considerations.

Note: Drawing not to Scale







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

\$65000

April 23, 2013

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

RE: J. A. Fowler No. 111

Duval District, Lincoln County

West Virginia

Dear Mr. Peterson:

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 a liquid 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

Diane C. White

Enclosures

cc: Andy & Rebecca McClure - Certified

Ralph Triplett - Inspector

Received Office of Oil & Gas

MAY - 8 2013

