

### 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

January 30, 2014

#### WELL WORK PERMIT

#### Vertical Well

This permit, API Well Number: 47-3305806, 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: S.E. ADAMS NO. 247

Farm Name: HILARY HEIGHTS LTD

API Well Number: 47-3305806

Permit Type: Vertical Well Date Issued: 01/30/2014

Promoting a healthy environment.

## **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 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. Treated pit fluids shall not be applied to the adjacent surface property of Stacey and Lori Bokey per the modified reclamation plan.

## STATE OF WEST VIRGINIA

# DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS

## WELL WORK PERMIT APPLICATION

1)	Well Operato	or: HG	Energy, LLC				
2)	Operator's W	ell Number:	Sarah E	. Adams No. 2	47	_ 3) Eleva	tion 1267'
4)	Well Type:	(a) Oil (b) If Gas:		Gas	Undergr	ound Storage	
5)	Proposed Tar	get Formatio	on(s):	Fifth Sand			
6)	Proposed Tot	al Depth:	3200' MD	ft.			
7)	Approximate	fresh water	strata depths:		185'		
8)	Approximate	salt water de	epths:		1370'		
9)	Approximate	coal seam d	epths:		625'		
10) 11)	Does land cor Proposed We					Nand, well to be drill	led directionally N 44° W 275'
12)			CAS	SING AND T	JBING PROGRA	<u>M</u>	50W 12/23/20
TYP	Е	SPI	ECIFICATION	NS	FOOTAGE I	NTERVALS	CEMENT
		Size	Grade	Weight Per Ft.	For Drilling	Left in Well	Fill-up (Cu. Ft.)
Cond	luctor						
Fresh	Water	7"	LS	17#	720'	720'	Cement to surface
Coal	1						
Interi	mediate						
Produ	uction	4 1/2"	J-55	10.5#	3200'	3200'	150 Sacks
Tubir	ng						
Liner	·S						
Packe	ers: Kind _ Sizes _ Depths se	et				Offic	RECEIVED
F	Fee(s) Paid		For Office Well Work P	ce of Oil and C ermit		amation Fund	JAN 03 ZU14 WPCP
F	Plat	WW-9	WW	7-2B	Bond	(Type)	Agent ICN

					3305806
Page	e 1 of	4	1)	Date: December 19, 2013	
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(10/			,	Sarah E. Adams No. 247	
		Сору	3)		
			3	State County Permit	16
		STATE OF WEST VIRGINI	A - BUI	REAU OF ENVIRONMENT	150
		DIVISION OF ENVIROR	NMENT	TAL PROTECTION . 74	71)
		OFFICE OF		V 7. /	50
		NOTICE AND APPLICATION F	OR A W	VELL WORK PERMIT	
4)	Surface O	Owner(s) to be served:	(a)	) Coal Operator:	
	(a) Name	Hilary Heights LTD - Beth A Taylor ✓	Name	NA	20
	Address	142 Valley Street	Address	S	
	-	Salem, WV 26426			7
	(b) Name	Stacy & Lori Bokey	(b) Co	oal Owner(s) with Declaration	2.1
	Address	RR 1, Box 299 - 46	Name	NA	
	-	Mount Clare, WV 26408	Address	S	
	(c) Name				
	Address		Name	-	7
	90000000000000000000000000000000000000		Address	S	-
	<del>-</del>				-
6)	Inspector	Sam Ward	(c) Co:	pal Lessee with Declaration	7
-,	Address	P. O. Box 2327	Name	Wolf Run Mining	
	-	Buckhannon, WV 26201	Address		7
	Telephone	(304) - 389-7583		Morgantown, WV 26505	7
	тегерионе	TO THE PERSON(S) NAMED ABOVE	TAKE	A CONTRACTOR OF THE PARTY OF TH	2
			TO WATE		
		Included is the lease or leases or other continu	uing conti	tract or contracts by which I hold	
	14	the right to extract oil and gas OR			
	X	Included is the information required by Chapt	ter 22, Ar	rticle 6, Section 8(d) of the Code	
		of West Virginia (see page 2)			
	I cert	ify that as required under Chapter 22 of the We	est Virgin	nia Code I have served copies	
	of thi	s notice and application, a location plat, and ac	company	ying documents pages 1 through 4	
		e above-named parties, by:			
	T	Personal Service (Affidavit attached)			
		Certified Mail (Postmarked postal receipt attack	ched)		
		Publication (Notice of Publication attached)			
		defication (Florice of Facilities assumes)			
	I hav	e read and understand Chapter 22-6 and 38 CS	R 11-18,	, and I agree to the terms and conditions	
ofa	any permit	issued under this application.			
	I cert	ify under penalty of law that I have personally	examined	d and am familiar with the information submitted	
on	this applica	ation form and all attachments, and that based of	on my inq	quiry of those individuals immediately responsible	
for	obtaining t	the information. I believe that the information i	s true, ac	ccurate, and complete.	
	I am	aware that there are significant penalties for su	bmitting	false information, including the possibility of	

fine and imprisonment.

The title in problem in the title in the tit	Well Operator	HG Energy, LLC		
	By:	Diane C White	Diane C White	
	Its:	Accountant		
	Address	5260 Dupont Roa	ad	
		Parkersburg, WV	26101	
	Telephone	(304) 420-1119	AC-IL II	T.
Subscribed and sworn before me this     day of	Docembe	L		
Jin I het	te		Notary Public	1

My commision expires

OFFICIAL SEAL
NOTARY PUBLIC
STATE OF WEST VIRGINIA
TINA L. PETHTEL
HG Energy, LLC
5260 Dupont Road
Parkersburg, West Virginia 26101
My Commission Expires Nov. 12, 2018

U.S. Postal Service CERTIFIED MAIL RECEIPT 디기 (Domestic Mail Only; No Insurance Coverage Provided) 76 9059 \$ Postage 11 \$3,10 Certified Fee 1000 Postmark Return Receipt Fee (Endorsement Required) \$2,55 Here Restricted Delivery Fee (Endorsement Required) \$0.00 30 \$7,17 12/26/2013 딩 Total Postage & Fees \$ SEA 247 Sent To m Stacy & Lori Bokey 707 Street, Apt. No.; or PO Box No. RRI, BOX 299 - 46 City, State, ZIP+4 Mount Clare, WV 2640B

134	U.S. Postal Service™ CERTIFIED MAIL™ RECEIPT (Domestic Mail Only; No Insurance Coverage Provided)					
75	For delivery inform	ation vis	it our website	at www.usps.com		
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000	Restricted Delivery Fee (Endorsement Required)		\$0.00			
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	Sent To	-		SEA 247		
7013	Street, Apt. No.; or PO Box No.   U City, State, ZIP+4	2 Va	lley St	ttn: Beth A. Taylor reet 16426		
	PS Form 3800, August 2			See Reverse for Instructions		

U.S. Postal Service™ CERTIFIED MAIL, RECEIPT 7647 (Domestic Mail Only; No Insurance Coverage Provided) For delivery information visit our website at www.usps.com 9058 Postage \$3.10 11 Certified Fee 0001 Postmark Return Receipt Fee (Endorsement Required) \$2.55 Here Restricted Delivery Fee (Endorsement Required) \$0.00 2630 \$7.17 12/26/2013 Total Postage & Fees \$ SEA 247 Sent To m Wolf Run Mining Company Street, Apt. No.; 2708 Cranberry Square or PO Box No. City, State, ZIP+4 Morgantown WV 26505
t 2006 See Reverse for Instructions

Office of Oil and Gas

JAN 0.2 2014

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O	erato	rs V	/ell	No.

Sarah E. Adams No. 247

# INFORMATION SUPPLIED UNDER WEST VIRGINIA CODE Chapter 22, Article 6, Section 8(d) IN LIEU OF FILING LEASE(S) AND OTHER CONTINUING CONTRACT(S)

Under the oath required to make the verification on page 1 of this Notice and Application, I depose and say that I am the person who signed the Notice and Application for the Applicant, and that --

- (1) the tract of land is the same tract described in this Application, partly or wholly depicted in the accompanying plat, and described in the Construction and Reclamation Plan;
- (2) the parties and recordation data (if recorded) for lease(s) or other continuing contract(s) by which the Applicant claims the right to extract, produce or market the oil or gas are as follows:

Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book/Page
Sarah E. Adams	South Penn Oil Company	1/8	110/144

Merger and Conveyance dated July 3, 1963, from South Penn Oil Company to Penzoil Company, Kanawha County, Book 153, Page 35,

Assignment, Conveyance and Bill of Sale dated December 28, 1998, from Pennzoil Company to Pennz Energy Exploration and Production, Wetzel County, Book 12, Page 177.

Certificate of Merger filed with the WV Secretary of State, December 31, 1999, whereby Pennz Energy Exploration and Production, successor in interest to; to Penzoil Company, merged with Devon Energy Production Company, LP, Wetzel County, Book 12, Page 278.

Deed, Assignment and Bill of Sale dated June 1, 2000, from Devon Energy Production Company, LP to East Resources, Inc., recorded in Wetzel County, Book 370, Page 580.

Assignment, Conveyance and Bill of Sale, dated January 1, 2011, from East Resources, Inc., to HG Energy, LLC, Wetzel County, Book 118A, Page 253.

Upon information and belief, Operator's lease and/or other real property rights permit it to conduct drilling operations for the subject well in the location shown on the plat, including the use of access roads, pipelines and utilities.

# Acknowledgement of Possible Permitting/Approval In Addition to the Office of Oil and Gas

The permit applicant for the proposed well work addressed in this application hereby ackowledges the possibility of the need for permits and/or approvals from local, state or federal entities in addition to the DEP, Office of Oil and Gas, including but not limited to the following:

WV Division of Water and Waste Management WV Division of Natural Resources WV Division of Highways U.S. Army Corps of Engineers US Fish and Wildlife Service County Floodplain Coordinator

Well Operator:	HG Energy, LLC	The street of th
Ву:	Diane C. White	Diane CWhite
Its:	Accountant	

n E. Adams No. 247
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# West Virginia Division 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:

X Contractor Name	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 indicates such.

No known Water Supply Sources are located within 2000' of proposed well but many water sources have been tested in conjunction with this Wolf Summit drilling program, the two closest are listed below.

Hilary Heights LTD Beth Arnold Taylor 142 Valley Street Salem, WV 26426 Stacy & Lori Bokey RR 1, Box 299 - 46 Mount Clare, WV 26408



Page	3	of	3
API Number 47-	033	-	

· · · Operator's Well No. · · · Sarah E: Adams No. 247-- · · · · ·

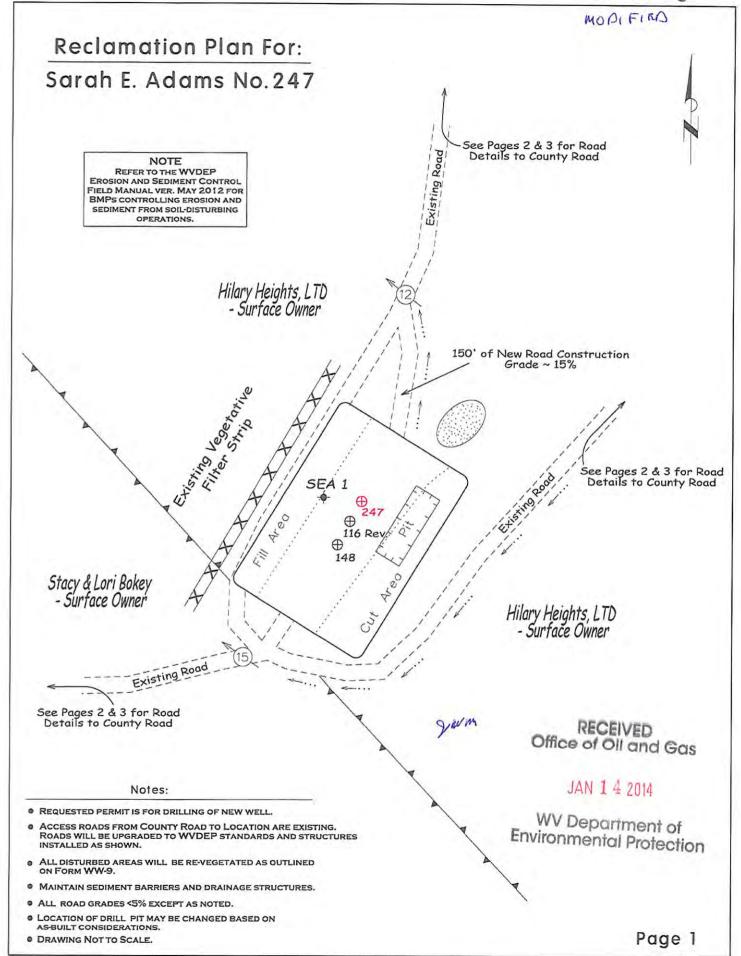
# STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION OFFICE OF OIL AND GAS

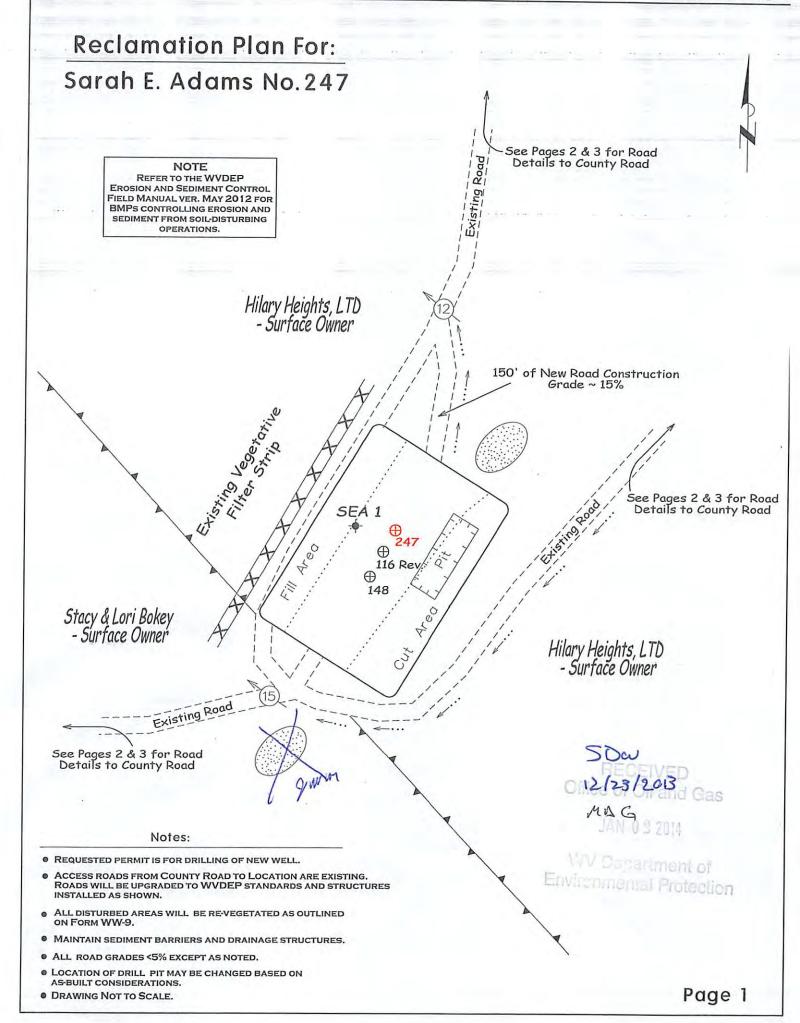
CONSTRUCTION AND RECLAMATION PLAN AND SITE REGISTRATION APPLICATION FORM GENERAL PERMIT FOR OIL AND GAS PIT WASTE DISCHARGE

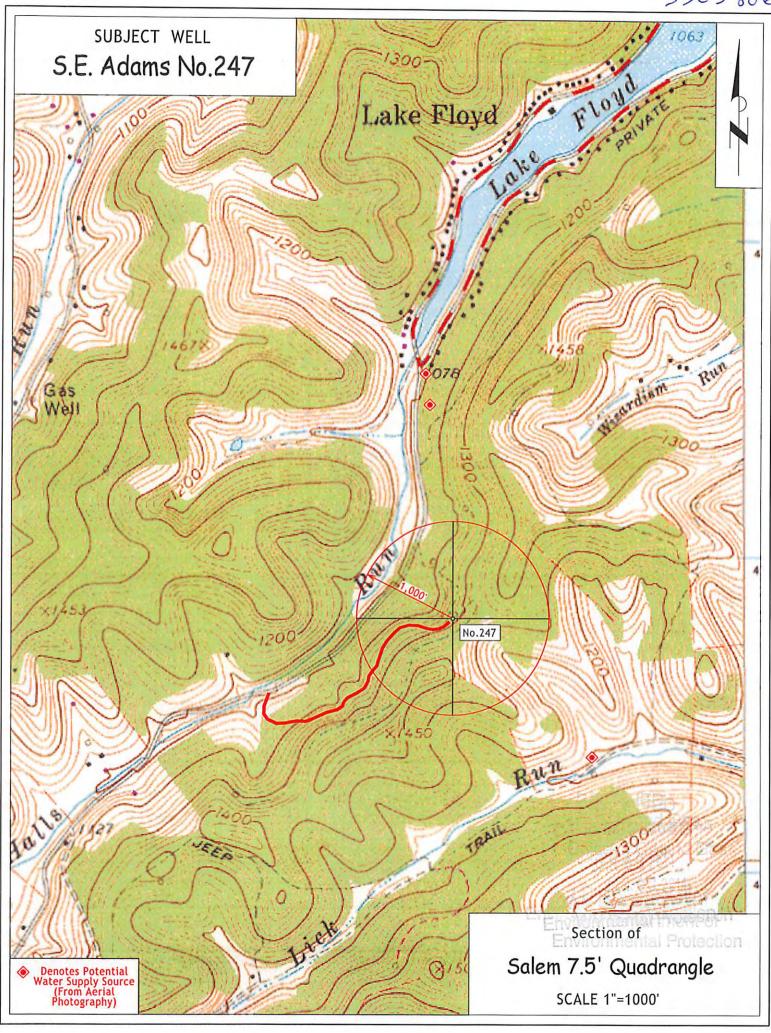
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	nformation, I believe itting false informat l Signature l (Typed Name)	law that I have perso nts thereto and that, is that the information tion, including the pos	based on my ing t is true, accurat ssibility of fine o Diane	uiry of those e and comple r imprisonm ve CW C. White	e indívid ete. I am ent.	uals immediat	ely responsible	
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My commission ( Form WW-9	expires //	umbe 12,	,2018		NES CONTRACTOR OF THE PARTY OF		OFFICIAL NOTARY STATE OF WE TINA L. PE HG Energ 5260 Dupo Parkersburg, West Commission Expl	PUBLIC: ST VIRGINIA ETHTEL

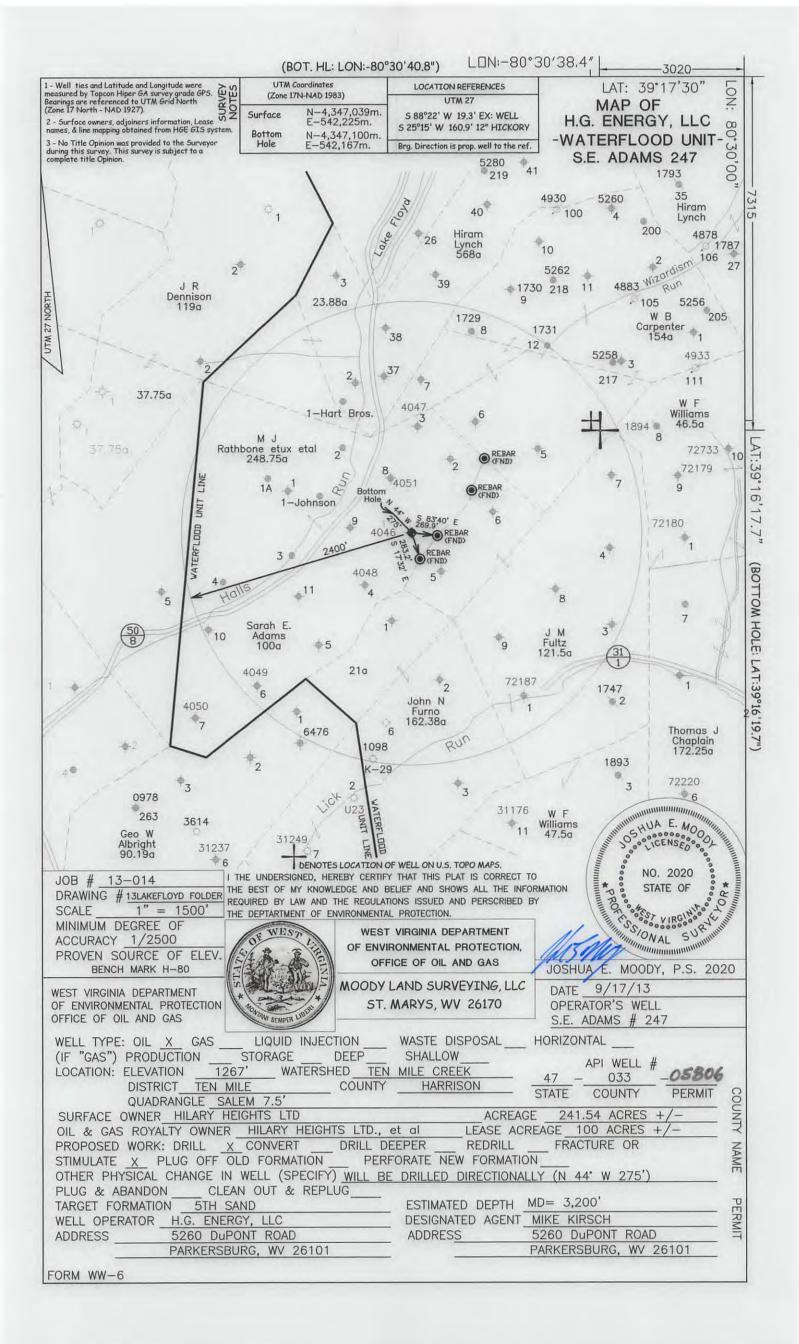
Property	Boundary		Divoision	
	Road	=========	Spring	<b>○</b>
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	Rock	50000 50000 50000	Filter Strip	XXXXXXXXX
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	Buildings	(m)		7777
A	Vater Wells	w	Area of Land Application	
	Drill Site	$\oplus$	of Pit Waste	
			Area I	Prevegetation pH
Proposed	Revegetation	n Treatment: Acres DisturbedA	pprox. 1.0 Ac.	Prevegetation pri
		Δ	Area II pprox. 0.5 Ac.	
		Billie	ere or Correct to pH	6.5
		Fertilizer (10-20-20 or Equivalent)	500 Lbs./Ac Tons/Acre	cre (500 lbs. Minimum)
		Mulch Straw 2	Tons/Acre	
		SE	ED MIXTURES	
		A I (I continu)		Area II (Road)
	Seed Type	Area I (Location) Lbs/Ac.	Seed T	
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	adino Clove	r 5	Ladino	100
-	-			CONO
_				COM
				-2 2014
Attach:	(s) of road, 1	ocation, pit and proposed area for land ap	plication	Jen tion
Photoco	pied section	of involved 7.5' topographic sheet.		of Oil and Garprotech
				Office Environm
Pla	n approved b	y: 5 - O Ward	1	Office of Oil and Gas Office of Oil and Oil
	Titl	e: Oil & Gos Inspector		Date: 12123 /2015
Fi	eld Reviewe	d? Yes		No
	Pre-	seed/Mulch all distu	rhed arece a	as soon as reasombly Assorble
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	161			cessary

Legend \_\_\_\_\_\_











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

December 19, 2013

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

RE: Sarah E. Adams No. 247

Ten Mile District, Harrison County

West Virginia

Dear Mr. McLaughlin:

Enclosed are the Forms WW-2A, WW-2A (1), WW-2B, WW-9, WW-2(B1), mylar of plat, reclamation plan, topo map and copy of the certified mailing receipt for a permit to drill the above-captioned shallow, producing well. Our check in the amount of \$650 is attached.

If you have any questions regarding this application, please call me at 304-420-1119.

Very truly yours,

Diane C. White

Diane c White

Enclosures

cc: Hilary Heights LTD - Attn: Beth A Taylor - Certified

Stacy & Lori Bokey - Certified

Wolf Run Mining Company - Certified

Sam Ward - Inspector

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