

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 Earl Ray Tomblin , Governor Randy C. Huffman , Cabinet Secretary www.dep.wv.gov

Tuesday, August 02, 2016 WELL WORK PERMIT Vertical / Plugging - 2

HG ENERGY, LLC 5260 DUPONT ROAD

PARKERSBURG, WV 26101

Re:

Permit approval for 11 47-043-01603-00-00

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: 11

Farm Name: SWEETLAND LAND & MIN. U.S. WELL NUMBER: 47-043-01603-00-00

Vertical / Plugging - 2

Date Issued: 8/2/2016

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. <u>Failure to adhere to the specified permit conditions may result in enforcement action.</u>

CONDITIONS

- 1. All pits must be lined with a minimum of 20 mil thickness synthetic liner.
- 2. 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.
- 3. Well work activities shall not constitute a hazard to the safety of persons.
- 4. This well is under a consent order and must be plugged within two years of the date of issuance of this permit.

WW-4B Rev. 2/01

1) Date Ju	ine 21	, 2016
2) Operate	or's	
Well N	o. Sweetland L&N	<i>I</i> 11
3) API We	ll No. 47-0	043 - 1603

STATE OF WEST VIRGINIA

DEPARTMENT OF ENVIR	RONMENTAL PROTECTION OIL AND GAS					
APPLICATION FOR A PERM	MIT TO PLUG AND ABANDON					
4) Well Type: Oil <u>X</u> / Gas <u>X</u> / Liquid (If "Gas, Production <u>X</u> or Und	derground storage) Deep/ Shallow_X_					
5) Location: Elevation 1119' District Duval - 2						
District Duval - Z	County Lincoln Quadrangle Garrett's Bend 7.5'					
6) Well Operator HG Energy, LLC	7)Designated Agent Diane White					
Address 5260 Dupont Road	Address 5260 Dupont Road					
Parkersburg, WV 26101	Parkersburg, WV 26101					
8) Oil and Gas Inspector to be notified NameJeffery L. Smith	9) Plugging Contractor Name To Be Determined Upon Approval of Permit					
Address 5349 Karen Circle - Apt 2101	Address					
Cross Lanes, WV 25313						
** See Attached Sheet **						
	Received Office of Oil & Gas					
	JUL 05 2016					
otification must be given to the district oi ork can commence.	l and gas inspector 24 hours before permitted Date 6-24-16					

Permit

WW-4B - Conti Rev. 2/01 1) Date: June 21, 2016
2) Operator's Well Number
Sweetland L&M 11
3) API Well No: 47 - 043 - 1603

API Well No: 47 - 043 - County

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

APPLICATION FOR A PERMIT TO PLUG AND ABANDON

4)	WELL TYPE:	Oil	x Gas	X	Liquid Injec	tion	Waste Disp	osal	
		(If "Gas"	, Production	Х	Undergroun	d Storage) Deep	Sha	ıllowx
5)	LOCATION:	Elevation:	1119'		Watershed:	Joe's Creek			
		District:	Duval		_County: _	Lincoln	C	uadrangle)	Garrett's Bend 7.5'
6)	WELL OPERAT	OR: HG Ener	gy, LLC		494497948	7) DESIGNAT	ED AGENT_	Diane W	hite
	Address	5260 Du	pont Road				Address	5260 Du	pont Road
		Parkersb	urg, WV 2610	1			_	Parkersb	ourg, WV 26101
8)	OIL & GAS INS	SPECTOR TO	BE NOTIFIED			9) PLUGGING	CONTRACT	ΓOR	
	Name	Jeffery L. Sm	ith			Name	To Be Deter	mined Upon	Approval of Permit
	Address	5349 Karen C	Circle - Apt # 2	101		Address			
		Cross Lanes,	WV 25313			_			
_									

10) WORK ORDER: The work order for the manner of plugging this well is as follows:

TD- 2.673'	TIH	To	PATO	OF	2647	\$ SPOT	GEL
10-2.0/3	' [-		FISID	0	20-1		

Manners of plugging;

Plug #1 - 2550' - 2450'

Located above the highest perforation

Check for free point at top of Big Lime, (1911'). If pipe is free, part and pull.

If pipe isn't free, perforate for placement of plug #2.

Plug # 2 - 1950' - 1850'

Located at top of Big Lime - 4 1/2" casing stub

Plug #3 - 1160' - 1060'

Located at elevation. If pipe was not free at 1911', part and pull at elevation (1119')

If pipe is not free at elevation, perforate for placement of plug #3, find first available free-point

above elevation to part and pull. Set additional plug at 4 1/2" casing stub.

Plug #4 - 550' - 450'

Located at 8 5/8" casing shoe and fresh water

Plug #5 - 100' - 0'

Surface

Recover all possible casing. If casing can not be recovered, perforate for plug placement.

Monument -

6" minimum diameter metal pipe

30" above surface

10' in well below surface

Sealed with cement

API identification (1/2") height numbering

Received
Office of Oil & Gas

6% Gel between all plugs

Sweetland Land & Mineral Co. 11 Monument to extend 30" above surface. 10' API: 47-43-1603 into well. 6" min metal pipe, sealed with cement. API i.D. Elevation: 1119' 5 Casing Information \leftarrow 365 sacks cement to surface Size Depth Weight 8 5/8" 5081 20#/ft. Freepoint Cut and Pull Casing 4 1/2" 2680' 9.5#/ft. Size Approx. Depth 4 1/2 1911' or 1119' 4 Hole Size 6.75" Cement Plugs NO. Bottom Top 2550 2450 1 1850 1950 3 1160 1060 4 450 3 550 5 100 0 Bottom Hole Cement Level Calculations # Sacks Used Cement Depth 50 2450.167 Hole Size **Casing Size** Depth 6.75 4.5 2671 Big Lime 1911' - 2084' \leftarrow diameter delta bbls / ft. Conv. Factor 25.3125 0.02459 1029.4 Received cubic ft. per vertical ft. depth Office of Oil & Gas 0.138058122 JUL 05 2016 Sacks per vertical ft. depth 0.226415321 \leftarrow 50 Sks Cement T.O.C. 2450' Yield options 50/50 posmix 6% gel = 1.64 Highest Perforation 2608' Neat w/ salt flakes = 1.19 50/50 w/ 2% gel = 1.27 TD 26731 PBTD 2647

PENNZOIL COMPANY Well Completion Report

Lease: Sweetland Land & Mineral Co. Well No. 11 New Well X Old Well
District: Duval County: Lincoln State: West Virginia
Pool Name: Griffithsville Northeast Pool No. 57 Elevation KB:GL
Producing Formation: Berea Depth: From to
Date Drilled In: 11-29-74 Pays: 0il: From to to
Original Total Depth: 2673' Gas: From to
Plug Back Depth: 2647' From to
<u>Production</u> <u>Initial</u> <u>Present</u> <u>After Fracture</u>
017
Gas
Surface Csg. set @ 514' KB: Gr. H-40 New: Used Wt. Collars
Cement reg. neat Amount 365 Sacks Plug Down @ 2:15 AM: Date 11-25-74
Production Csg. set @ 2671' KB: Gr. H40 New: Used Wt. Collars
Cement 50/50 Posmix Amount 50 Sacks Plug Down @ 12:00 AM: Date 17-29-74
Logged by: Basin Surveys Date: 11-29-74
Logs Used: Gamma Ray-Comp. Density - Caliper
Perforated by: McCullough Date: 12-27-74
Perforations: 2608-2613 - 20 holes - 4 holes/ft.
Treatment Data . Breaking Fluid F.R. N.E.
Fluid Sand Acid Solvent Gel Agent Loss Agent Agent Received
Type Lease 20/40 15% HC1 Morflo I Office of Oil & (
Amount 544 19,000 500 4 JUL 0 5 2016
Breakdown Pressure: 1400 Treating Pressure: Max. 2300 Min. 2200 Avg. 2275
Avg. Inj. Rate 26.8 BPM ISIP 1300 @ AM:PM 5 min. SIP 1100
10 min. SIP 1000 15 min. SIP 900 Other
EQUIPMENT USED
Service Company: Halliburton HHP 1522
By:

PENNZOIL COMPANY

NEW WELL REPORT

LEASE NO. 4616	2-01		33	37ACRES	WORKING DISTRIC	Sou	thern A	rea		
								Map 124-	-W	
Swe	etland	Land &	Min. Co	D. FARM	WELL NO11	N				
Dr	val		DISTRI TOWNS		Lincoln	Coun	т _	St. All	oansQuad.	
LOCATION MADE 19 74					DRILLING COMMEN	ICED	Novembe	r 24,	1974	
DRILLING EQUIPME	NT USED	뒴	PUDDER		DRILLING COMPLE	TED	Novembe	r 29,	. 1974	
DRILLING EQUIPMENT FURNISHED BY	мт F.V	l.A. Dri	illing (Company	TOTAL 26731		SAN	Bere	3	
ELEVATION: FLOOR 1127-4					DRILLING CONTRA	CTOR_F.	W.A. Dr	illing	Company	
ELEVATION: GROUN	11:	19.4			WORK ORDER NO.	70	-24682			
				FORMATIO	N RECORD					
KIND	тор	воттом	STEEL LINE MEAS.	TEST	KIND .	тор	воттом	STEEL LINE MEAS.	TEST	
Sub Structure	0	8	•			ļ				
Sur.R. & Red R										
Shale	255	1587					-			
Salt Sand		1800				-				
Shale		1826						-		
Sand		1882								
Little Lime		1908				-	-	<u> </u>		
Pencil Cave	1908					-				
Big Lime	1911-		•	ı		 				
McCrady Shale Pocono Injun	2122				·	 				
Shale	2168	-				1				
Wier Sahd	2252		-					-		
Shale	2317								:;	
Coffee Shale	2578									
Berea		2620	7.						, , , , , , , , , , , , , , , , , , , ,	
Shale	2620				- \		1.		-1	
Total Depth		2673								
					1					
L6gged by	v: Basi	h Surve	vs ll-	29-74 to 2669	rt.					
	Garm	Rav-D	ensity							
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INITIAL TORPEDO RECORD		CASING AND TUBING RECORD PUT IN WELL PULLED OUT							
Date of Shot	SIZE	RANSFER			INCH	TRANSFE			INCH
ate of one	8-5/8"	THE PARTY OF THE P	110.	508	_	T CALLED TO			-
ame of Torpedo Co.	4-1/2"		T	2680					
o. of Quarts				2000	71.				
ength of Shell									
Piameter of Shell									
ength of Anchor									
op of Shot									
ottom of Shot				H					
eet of Fluid in Hole When Shot									
esults:								-	
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•				CKED	DEC		-		
INITIAL PRODUCTION FIRST 24 HOURS	KIND		PA	CKER		EPTH SET	1	DATE SET	
	J				-		1		
Open Flow /10ths Water inInch	Parmaco S		_		-	514'		11-25	7.52.00.2
/10ths Merc. inInch	Baker Gui	de Sho	1	4-1/2"	_	2671'	RKB	11-29	-74
VolumeCu. Ft. Rock Pressurelbshrs.	 				+		_		
	 								
Dilbbls., First 24 hrs.			: ——				 		
ACIDIZATION OR FRACTURING RECORD		1		-	ASING	S CEMEN	TED		
	me i make da	_			-				
DATE WELL EDACTURED 12-27-74		8-5	/gn	- 51/	, RK	B _{FT.} 1	7-25-	71.	
DATE WELL FRACTURED 12-27-74 NAME OF COMPANY Halliburton		- 1							
List below materials used in Acidizing or Fracturing, i.e., Sand, Cruc	le Oil Gasoline	BAG	s Use	36	5 Sk	s. Neat	Ceme	nt 3%	CC
Water, Kerosene, Mothballs, Acid, etc., giving gallons, barrels and I	pounds.)	17	/211	- 26'	71 R	KR_	12	-29-71	
511 Fr.3		1		500	Ga1	KB • Mud F	lush	~ / 14	_DAT
544 Bbls Crude Oil 19,000 Lbs 20/40 Sand		BAG	s Use	_D 50	Sks	. 50/50	Poz-	Mix 2%	CC
500 Gals 15% HCL Acid				C		FT			
55 Gals ParaThin Solvent				SIZE		FT	-		_DAT
4 Gals MorFlo II		BAG	s Use	ED					
				Size		Fr			_DAT
		BAG	s Use	ED		50			
									-
						-			
BREAKDOWN PRESSURE 1400 1bs.									
Pumping Pressure Max 2300#, Min. 2200#, Ave. 22	275#•								
AVERAGE PUMPING RATE/MINUTE 26.8 B.P.M.		Top	DEPT	H OF CE	MENT	SHOWN B	Y TEMP	PERATURE	Log
PUMPING TIME		-							
RESULT AFTER GAS	CU. FT.								
ROCK PRESSURE AFTER TREATMENT	BBLS.								
The state of the s		_			-				
EMARKS: Logged & Perforated by McCulloug									
Perforated 2608 - 2613' (20 Hol	les)								
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							BUP	- ARINTENDE	

1603

WW-4A Revised 6-07

1) Date:	June 21, 2016	
2) Operator's	s Well Number	
Sweetland L&M 1	1	

STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS NOTICE OF APPLICATION TO PLUG AND ABANDON A WELL

3) API Well No.: 47 -

4) Surface Owne	er(s) to be served;	5) (a) Coal Operator	
(a) Name	Janet Ingram	Name	NA
Address	8 Wildcat Road	Address	
	Sod, WV 25564		
(b) Name		(b) Coal Own	ner(s) with Declaration
Address		Name	NA
		Address	• · · · · · · · · · · · · · · · · · · ·
() NI		Massa	
(c) Name		Name	
Address		Address	
C) T	laffan I Cmith	(a) Coal T aga	ee with Declaration
6) Inspector	Jeffery L. Smith	,,	
Address	5349 Karen Circle, Apt #2101	Name	NA
	Cross Lanes, WV 25313	2 Address	
Telephone	681-313-6743	•	200 Company (1990 Company Comp

TO THE PERSONS NAMED ABOVE: You should have received this Form and the following documents:

- (1) The application to Plug and Abandon a Well on Form WW-4B, which sets out the parties involved in the work and describes the well its and the plugging work order; and
- (2) The plat (surveyor's map) showing the well location on Form WW-6.

UDVEMBER

The reason you received these documents is that you have rights regarding the application which are summarized in the instructions on the reverses side. However, you are not required to take any 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 permit to plug and abandon a well with the Chief of the Office of Oil and Gas, West Virginia Department of Environmental Protection, with respect to the well at the location described on the attached Application and depicted on the attached Form WW-6. Copies of this Notice, the Application, and the plat 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 mailing or delivery to the Chief.

	W.	Well Operator	HG Energy, LLC		
		By:	Diane White	Diane White	
WEST	OFFICIAL SEAL	Its:	Agent		D
NOTARY PUBLIC. STATE OF WEST VIRGINIA MARK J SCHALL	Address	5260 Dupont Roa	ad	Heceived	
	H G Energy L L C O Box 5519, Vienna, WV 26105		Parkersburg, WV	26101	Office of Oil &
My Commission Expires November 2, 2021	Telephone	304-420-1119		-	
00100100001010001000					JUL 0 5 2016

Notary Public

Oil and Gas Privacy Notice

Subscribed and sworn be

My Commission Expires

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 normal 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 depprivacyoffier@wv.gov.

Gas

WW-9 (5/16)

API Number	47 -	043	_ 1603
Operator's W	ell No	. Sweetland	d L&M 11

STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION OFFICE OF OIL AND GAS FILLIDS/ CLITTINGS DISPOSAL & RECLAMATION PLAN

FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN	
Operator Name HG Energy, LLC OP Code 494497948	
Watershed (HUC 10) Joe's Creek Quadrangle Garrett's Bend 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:	
Will a synthetic liner be used in the pit? Yes No If so, what ml.?	- Decrees the Atrice
Proposed Disposal Method For Treated Pit Wastes: ANY WALL EFFLUENT OF THE BETTAR HAVING	TO OFF SITE LOCATION,
Land Application (if selected provide a completed form WW-9-GPP)	t tak manadana wasan at
Underground Injection (UIC Permit Number	
Reuse (at API Number)
Off Site Disposal (Supply Torin w w -> for disposal location) Other (Explain Any fluids will be hauled for off site disposal at an authorized site to be determined at the t	time the well is plugged
Will closed loop system be used? If so, describe: NA	
Drilling medium anticipated for this well (vertical and horizontal)? Air, freshwater, oil based, etc. NA	
-If oil based, what type? Synthetic, petroleum, etc. NA	
Additives to be used in drilling medium?NA	
Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. NA	
-If left in pit and plan to solidify what medium will be used? (cement, lime, sawdust)	
-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 West Virginia solid waste facility. The notice shall be provided within 24 hours of rejection and the permitte where it was properly disposed.	
I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLL on April 1, 2016, by the Office of Oil and Gas of the West Virginia Department of Environmental Protection provisions of the permit are enforceable by law. Violations of any term or condition of the general permit are or regulation can lead to enforcement action. I certify under penalty of law that I have personally examined and am familiar with the information form and all attachments thereto and that, based on my inquiry of those individuals immediately the information, I believe that the information is true, accurate, and complete. I am aware that there are submitting false information, including the possibility of fine or imprisonment.	on. I understand that the nd/or other applicable law mation submitted on this responsible for o btaining e significant penalties for
Company Official Signature Drane White	Received
Company Official (Typed Name) Diane White	Office of Oil & Gas
Company Official TitleAgent	JUL 0 5 2016
Subscribed and sworn before methis 21st day of June , 20 16	
Notary Public	OFFICIAL SEAL
My commission expires November 2, 2021	NOTARY PUBLIC. STATE OF WEST VIRGINU MARK J SCHALL H G Energy LL C PO Box 5519, Vienna, WV 28105



Programme Income

** Sediment Control Will Be In Place At All Times ** Attach: Maps(s) of road, location, pit and proposed area for land application (unless engineered plans including this info have provided). If water from the pit will be land applied, provide water volume, include dimensions (L, W, D) of the pit, at L, W), and area in acres, of the land application area. Photocopied section of involved 7.5' topographic sheet.	<u></u>
Fertilizer type 10/20/20 Fertilizer amount 500 lbs/acre Mulch Straw 2 Tons/acre Seed Mixtures Temporary Permanent Seed Type lbs/acre Seed Type lbs/acre Tall Fescue 40 Tall Fescue 40 Ladino Clover 5 Ladino Clover 5 ** Sediment Control Will Be In Place At All Times ** Attach: Maps(s) of road, location, pit and proposed area for land application (unless engineered plans including this info have movided). If water from the pit will be land applied, provide water volume, include dimensions (L, W, D) of the pit, and L, W), and area in acres, of the land application area. Photocopied section of involved 7.5' topographic sheet.	I
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itle: Oil & Cas Insacha Date: 06/21/2016	
field Reviewed? () Yes () No	ice of Oi

WW-9- GPP Rev. 5/16

Pa	ige	of
API Number 47 - 0	43 -	1603
Operator's Well No.	Sweetland	L&M 11

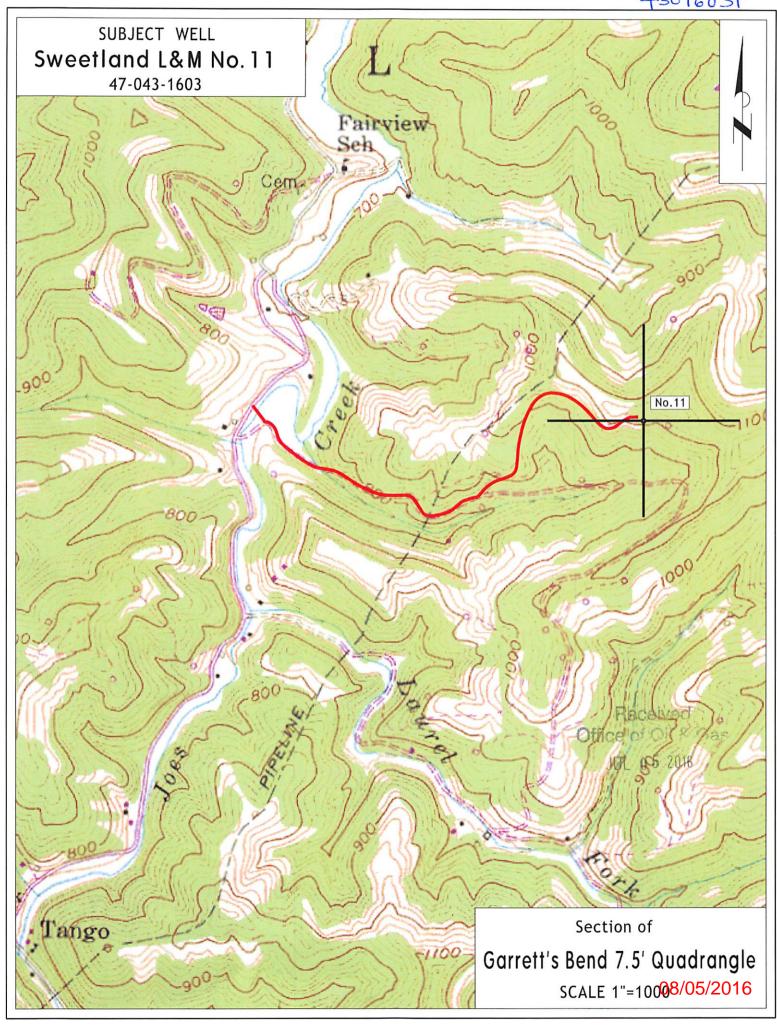
STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION OFFICE OF OIL AND GAS GROUNDWATER PROTECTION PLAN

	•	GROUNDWATER PROTECTION I	PLAN	
Operator Name:	HG Energy, LLC			
Watershed (HUC 10)	Joe's Creek		Quad: Garrett's Bend 7.5'	
Farm Name: Sweetla	ind L&M			
List the procedu groundwater.	res used for the treatm	ent and discharge of fluids. Include a	a list of all operations that could contam	inate the
NA				
2. Describe proced	uras and aguinment us	ad to protect amundwater quality from	n the list of potential contaminant source	es above
	ures and equipment us	ed to protect groundwater quanty nor	in the list of potential contaminant source	
NA				
3. List the closest discharge area.	water body, distance	to closest water body, and distance	from closest Well Head Protection Are	ea to the
NA				
4. Summarize all a	ctivities at your facility	that are already regulated for ground	dwater protection.	
NA				Received
			Offi	ce of Oil & Gas
				JUL (5 2016

5. Discuss any existing groundwater quality data for your facility or an adjacent property.

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	Operator's Well No. Sweetland L&M 11	
NA		
6. Provide a statement that no waste materia	will be used for deicing or fill material on the property.	
NA		
 Describe the groundwater protection inst provide direction on how to prevent ground 	ruction and training to be provided to the employees. Job procedures shall indwater contamination.	
NA		
B. Provide provisions and frequency for insp	pections of all GPP elements and equipment.	
NA		
	Received	
Signature: <u>Diane White</u>	Office of Oil & G	àas
Date: 06/21/2016		

4301663P



WW-7 5-02

West Virginia Department of Environmental Protection Office of Oil & Gas

WELL LOCATION FORM: GPS

API: 47-	043 - 1603	WELL NO:	11		
FARM NAME:	Sweetland L&M No.11				
RESPONSIBLE PARTY NA	AME: H.G. Energy	, LLC			
COUNTY:	Lincoln	DISTRICT:	Duval - 2		
QUADRANGLE:	Garrett's Bend 7.5' -3	358			
SURFACE OWNER:	Janet Ingram				
ROYALTY OWNER:	H.G. Energy, LLC et a	ıl.			
UTM GPS NORTHING:	4,235,863	NAD 83)			
UTM GPS EASTING:	420,960	NAD 83) GPS ELEVATION:	340 m.		
The Responsible Party named above has chosen to submit GPS coordinates in lieu of preparing a new well location plat for a plugging permit on the above well. The Office of Oil & Gas will not accept GPS coordinates that do not meet the following requirements: 1. Datum: NAD 1983, Zone:17 North, Coordinate Units: meters, Altitude:					
2. Accuracy to	re mean sea level (MSL) - meter o Datum - 3.05 meters ction Method:	rs.			
Survey Grade G					
Mapping Grade	GPS X Post Processed Differ Real-Time Differentia	ential X	Danis		
	ertify this data is correct to the lormation required by law and the Oil and Gas.	•	Received Office of Oil & Gas JUL 05 2016		
Diane White Signature	Diane C. White	Designated Age	ent		
January 1	5, 2016				
Date					