

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

July 22, 2015

WELL WORK PLUGGING PERMIT

Plugging

This permit, API Well Number: 47-9500589, 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.

Upon completion of the plugging well work, the above named operator will reclaim the site according to the provisions of WV Code 22-6-30. The above named operator will also file, as required in WV Code 22-6-23, an affidavit on form WR-38 by two experienced persons in the operator's employment and the Oil and Gas inspector that the work authorized under this permit was performed and a description given. Failure to abide by all statutory and regulatory provisions governing all duties and operations here under may result in suspensions or revocation of this permit and in addition may result in civil and/or criminal penalities being imposed upon the operator.

This permit will expire in two (2) years from date of issue. If there are any questions, please free to contact me at (304) 926-0499 ext. 1654.

Operator's Well No: 11

Farm Name: LEMASTERS, A. D.

API Well Number: 47-9500589 Permit Type: Plugging

Date Issued: 07/22/2015

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. 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.

WW-4B Rev. 2/01

1) Date	June 4	,	2015
2) Oper	ator's		
Well	No. AD Le	emasters 11	
3) API	Well No.	47- oes	- 0589

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

5)	Location: Elevation 1235'	Watershed Left Hand Fork
	District McElroy	County Tyler Quadrangle Centerpoint 7.5
E \	Well Operator HG Energy, LLC	7) Designated Agent Diane White
)	Address 5260 Dupont Road	Address 5260 Dupont Road
	Parkersburg, WV 26101	Parkersburg, WV 26101
3)	Oil and Gas Inspector to be notified Name Mike Goff	9) Plugging Contractor Name To be Determined Upon Approval of Permit
	Address P. O. Box 134	Address
	Pullman, WV 26421	
0)		nner of plugging this well is as follows:
0)	Work Order: The work order for the man	
0)		
0)		ched Page - Received

work can commence.

Work order approved by inspector Michael

Date 6/8/2015

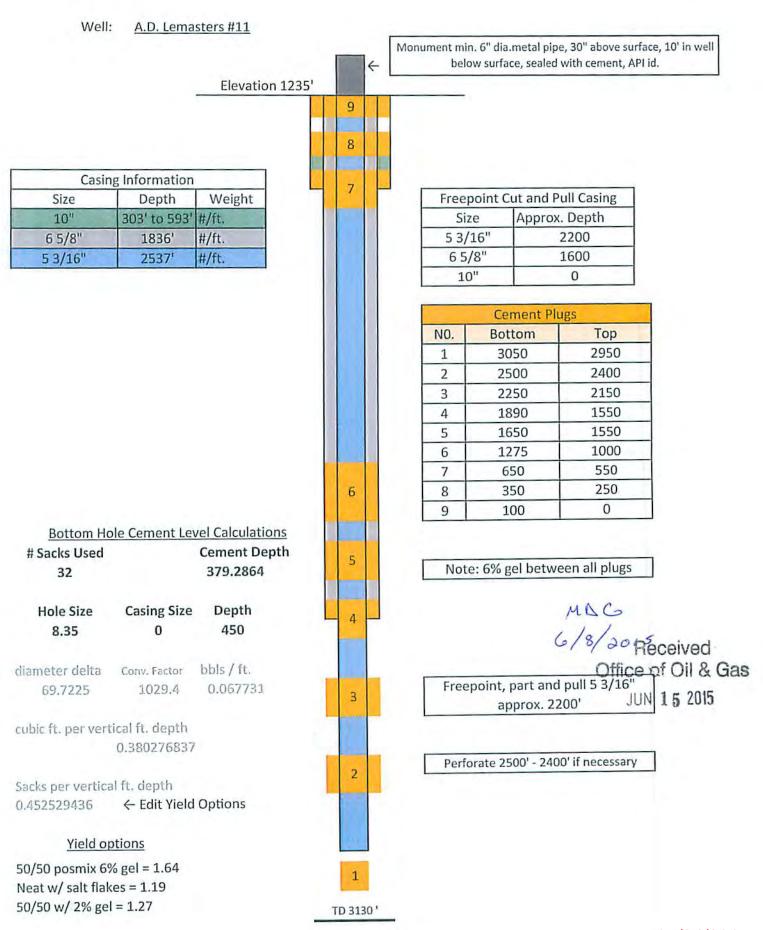
WW-4B Rev. 2/01

1)	Date:	June 4, 20	15			
2)	Operator's Wel	l Number				
	AD	Lemaster	s 11			
3)	API Well No:	47	-	095	-	0589
		Cinta		County		Darmit

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

APPLICATION FOR A PERMIT TO PLUG AND ABANDON

4) WELL	TYPE:	_	Gas	X	Liquid Injec Underground		Waste Dis		allow	x
5) LOCAT	ΓΙΟΝ:	Elevation:	1235' McElroy		Watershed:_ County:	Left Hand F	ork	Quadrangle	Center	point 7.5'
6) WELL	OPERA	FOR: HG Energ			4.94E+08	7) DESIGNAT	ED AGENT	Diane V	Vhite	
oj welle	Address		ont Road		115 115 00	1) 2220	Address		upont Ro	oad
	*******		ırg, WV 26101					Parkers	burg, W	V 26101
8) OIL & Name	GAS INS	SPECTOR TO E Mike Goff	BE NOTIFIED			9) PLUGGING Name		CTOR ermined Upon	Approva	l of Permit
Addres	s —	P. O. Box 134				Address				
Tradited		Pullman, WV				-				
Perforate 5 Set plug #2 Free point, Plug #3 at 6 Attempt to Plug #4 at 6 Free point, Plug #5 at 6 Plug #6 @ 1275'-1000') Plug #7 @ 10	3/16" (@ 2400 part an casing co pull 6 5 casing sl part an casing co elevatio One shot	D'-2500' d pull 5 3/16" - ut approx 2250 6/8" casing noe - 1890'-179 d pull 6 5/8" - ut - est 1650'-1 en and thru coa every foot thru cos shoe 650' - 550'	0'-2150' 90' est 1600' 1550' Il 1275'-1000' (if				strata, peri	Onice Of	eivan	Gas
Plug # 8 at ca Plug # 9 at 10		est 350' - 250'						3333		
6% Gel betw	een all plu	igs								



SPHE 534 3H 9-44 H'G.8514 FILE NO. SOUTH PENN NATURAL GAS COMPANY-COMPLETION serial No. FARM A. D. Lemasters LEASE No .. WATERS OF __ Indian Creek DISTRICT McElroy _ COUNTY Tyler STATE_ DRILLING COMMENCED 4-13-28 COMPLETED 6-18-28 SANDS TOP Воттон CASING PGH. COAL OF BIG ETHE 1040 593 'Stray Sand 2340 2450 999 Dordon Sand 3100 3119 1836 Lst Pay Oil 3105 PACKERS AND DEPTH BET 15 Bbls. per Week Gordon 1.6 W 1" GAS TEST. SHOT_ ___ QUARTS___ SAND_ REMARKS_ Shirley REPORTED BY._ DIST. ABANDONED.

9500589

WW-4A Revised 6-07

Date: June 4, 2015
 Operator's Well Number

AD Lemasters 11

3) API Well No.: 47 -

095

0589

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

	mer(s) to be served:	i t	6) (a) Coal Operator	c	
(a) Name	James & Betty McCoy		Name	NA	
Address	HC 62, Box 80-C	V	Address		
avar	Jacksonburg, WV 263	77	-		
(b) Name				vner(s) with Declarati	ion
Address	-		Name	NA	
	-		Address		
(c) Name			Name	-	
Address			Address		
			_	+	
6) Inspector			(c) Coal Les	ssee with Declaration	
Address			Name	NA	
100000			Address	-	
Telephone	-				
Well (2) The p The reason However, y Take notice accompany Protection	its and the plugging wor plat (surveyor's map) sho you received these docume ou are not required to take a e that under Chapter 22-6 of ing documents for a permit with respect to the well at the	k order; and owing the well loca ints is that you have ny action at all. The West Virginia C to plug and abandon the location described	rights regarding the application on Form WW-6. ode, the undersigned well a well with the Chief of the control	operator proposes to file or has e Office of Oil and Gas, West	n the instructions on the reverses side is filed this Notice and Application and Virginia Department of Environmental and Form WWOOD VOT this Notice,
certain circ	umstances) on or before the	day of mailing or del	ivery to the Chief.	ivered by nand to the person(Office or Oil & Gas in
					JUN 1 5 2015
		Wall On sun to	UC Energy 11 C		
		By:	Diane White	ane White	
		Its:	Agent	and wrule	
		Address	5260 Dupont Road		
		riduress	Parkersburg, WV 26	101	OFFICIAL SEAL
		Telephone	304-420-1119	STATE OF THE PARTY	NOTARY PUBLIC
Subscribed and	sworn before me thi		day of _June		STATE OF WEST VIRGINIA S. DIANNE DULANEY 5260 Dupont Road Parkersburg. West Virginia 26101 My Commission Expires Oct. 4, 2016
d	Claric	Quela	1	Notary Publi	2
My Commission	Expires Oct.	1 20161	1		
		,			

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 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.

WW-9 Rev. 5/08

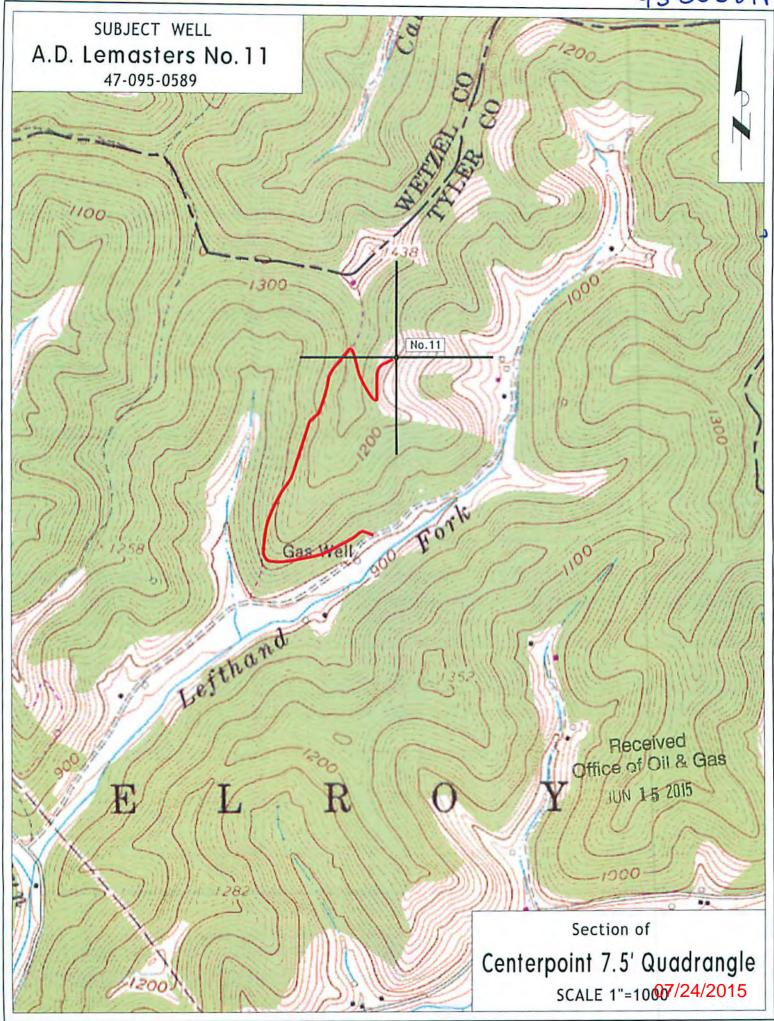
	Page	of	
API Number 47 -	. 095	_ 0589	

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 Name_HG Energ		OP Code 494497948	3
Watershed North Fork of Fi	shing Creek Left Hand For K	drangle Pine Grove 7.5"	
Elevation 1235'	County_ Tyler	District McElroy	
	Fluids encountered v		
Will a synthetic liner be used in	the pit? Yes - 20 mil		MAG
Off S	Freated Pit Wastes: Application ground Injection (UIC Permit Number (at API Number te Dispposal (Supply form WW-9 for (Explain		MDG 6/8/2015
Proposed Work For Which Pit W Drillin Worke Other	ng	Swabbing Plugging	
provisions of the permit are enfo law or regulation can lead to enfo I certify under penalty application form and all attach obtaining the information, I bel	of law that I have personally examin ments thereto and that, based on my leve that the information is true, accu- rmation, including the possibility of fir	epartment of Environmental Protection of condition of the general permit ed and am familiar with the information inquiry of those individuals immediate, and complete. I am aware the	n. I understand that and/or other applica ation submitted on diately responsible
Company Official Signature	Diane White		JUN 1 5 2015
Company Official (Typed Name	11.00		
Company Official Title Ag	ent		
Subscribed and sworn before me	this 4th day of June	20 15	
Subscribed and sworn before me	and fully	OFFIC NOTAL STATE OF V Public JIANN 5260 De Parkersburg. W	CIAL SEAL RY PUBLIC WEST VIRGINIA E DULANEY upont Road lest Virginia 26101 Expires Oct. 4, 2016
My commission expires	4 2016	Everyon and the second	07/24/201

		LEGEND	
Property Boundary	VA VA	Diversion League 11	
Road = = = = =	======	Spring O	
Existing Fence — X	- × - × -	Wet Spot	
Planned Fence / -	_/_/_	Drain Pipe with size in inche	s — (1) —
Stream / 7	, A A		
Open Ditch	·	Cross Drain	
Rock & SSE	_		XXXXXXXXXXXXXXX
North N		Pit: cut walls	
Buildings		Pit: compacted fill walls	much
Water wells		Area for Land Application of	Pit Waste
Drill site		6	
Proposed Revegetation Treatm	ment: Acres Disturbed 0.6	Prevegetation	aU
Lime 3		0.5	DH
Lime	Tons/acre or to correct to p	Н	
Fertilizer (10-20-20 d	or equivalent) 500	bs/acre (500 lbs minimum)	
_{Mulch} Straw	2	s/acre	
	1ons	sacre	
	Se	eed Mixtures	
Area		A	rea II
Seed Type	lbs/acre	Seed Type	lbs/acre
Tall Fescue	40	Tall Fescue	40
Ladino Clover	5	Ladino Clover	5
Attach:			Received
	it and proposed area for land ap	plication.	Office of Oil & Gas
Photocopied section of involve		•	JUN 1 5 2015
r notocopica section of involve	d 7.5 topographic sheet.		JOH T 9 5010
Plan Approved by: Mich	al Roll		
Plan Approved by: Mich	2	01 1 1	
Comments: 1 (esecol	4 Much any	distorbed ar	eas,
		· · · · · · · · · · · · · · · · · · ·	
Title: Oil 4 Gas	Inspector	Date: 6/8/20	315
Field Reviewed?	√)Yes () No	
rieid Keviewed/	V 1163	1110	07/24/2015



West Virginia Department of Environmental Protection Office of Oil & Gas

WELL LOCATION FORM: GPS

API:	47- 095 - 0589			WELL NO:	11
FARM NAME:	A.D. Lemasters				
RESPONSIBLE PART	Y NAME:	H.G. Eı	nergy, LLC		
COUNTY:	Tyler			DISTRICT:	McElroy
QUADRANGLE:	Center	point 7.5'			
SURFACE OWNER:	James &	& Betty McC	Coy		
ROYALTY OWNER:	Americ	an Energy I	Partners et al.		
UTM GPS NORTHING	G:4,	,368,777	(NAD 83)		
UTM GPS EASTING:	5	527,150	(NAD 83)	GPS ELEVATION:	369 m. = 1210,
The Responsible Party	named above has cho	sen to subn	mit GPS coord	dinates in lieu of	
Oil & Gas will not acc 1. Datum height 2. Accura	pocation plat for a plug ept GPS coordinates the NAD 1983, Zone:17 above mean sea level cy to Datum - 3.05 me	ging permit hat do not n 7 North, Co (MSL) - me	t on the above meet the follo pordinate Uni	e well. The Office of wing requirements:	
preparing a new well I Oil & Gas will not acc 1. Datum height 2. Accura 3. Data C Survey Grad	pocation plat for a plug ept GPS coordinates to NAD 1983, Zone:17 above mean sea level cy to Datum - 3.05 me collection Method: le GPS Post Pro- Real-Time	ging permit hat do not not 7 North, Co (MSL) - me eters occessed Diff me Differen	t on the above meet the follo pordinate Uni eters. ferential	e well. The Office of wing requirements: ts: meters, Altitude:	Received
preparing a new well I Oil & Gas will not acc 1. Datum height 2. Accura 3. Data C Survey Grad	pocation plat for a plug cept GPS coordinates the NAD 1983, Zone:17 above mean sea level of the cept to Datum - 3.05 means and the GPS Post Programmer Post Post Post Programmer Post Post Programmer Post Post Post Post Post Post Post Post	ging permit hat do not not 7 North, Co (MSL) - me eters occessed Diff me Differen	t on the above meet the follo pordinate Uni eters. Terential Itial	e well. The Office of wing requirements: ts: meters, Altitude:	Received Office of Oil & Gas JUN 15 2015
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