

### 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

December 06, 2013

### WELL WORK PERMIT

### Rework-Secondary Recovery

This permit, API Well Number: 47-9501511, 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

Operator's Well No: L. J. LEMASTERS M-12 Farm Name: McCOY, DONALD L.

API Well Number: 47-9501511

Permit Type: Rework-Secondary Recovery

Date Issued: 12/06/2013

Promoting a healthy environment.

WW-3B 10/07



1) Date		August 12, 2013						
2) Operator's Well	No.	No. L. J. Lemasters No. M-12						
3) API Well No.	47	-	095	T-I	1511			
-	State		County		Permit			
4) UIC Permit No		Ţ	JIC2R0950	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

5)	WELL TYPE:		Liquid	Injection	X		Gas Injection	(not stora	ige)	Waste D	isposal		
6)	LOCATION:		Elevation	1033'			Wat	ershed	Leftha	nd Fork			
		District		Green		Cou	ntyTyler	95		Quadrangle	Cent	erpoint 7.5"	286
7)	WELL OPERA	ATOR:	HG Energ	gy, LLC		4944979	48 8) DE	SIGNATE	ED AGENT	: Mik	e Kirsch		
			5260 Dup	ont Road							0 Dupon		
			Parkersb	urg, WV 2	6101					Par	kersburg	g, WV 26101	
))	OIL & GAS IN	SPECTO	OR TO BE	NOTIFIE	D:		10) D	RILLING	CONTRAC	CTOR:			
	Name Joe Taylor								Name				
		Address	1478 Clay						Address	S			
			Ripley, W	V 25271			_					_	
11)	PROPOSED V	VELL WO	ORK:	Drill			Drill Deeper		Redril		imulate_	X	
					-	ld Format al Change	ion in Well (specify)	The state of the s	New Forn	nation		Convert	
12)	Geological tar	get forma	ation		Gordo	n	Deptl	1	2,994	Ft. (Top) to		3,054 Ft. (	Bottom)
13)	Estimated dep	oth of con	npleted we	ll (or actu	al dept	h of existi	ng well)		3050	Ft.			
14)	Approximate	water str	ata depths	5	Fresh		170	Ft.		Salt	2,300	Ft.	
15)	Approximate	coal seam	depths:			843		Ft.					
16)	Is coal being n	nined in t	the area?			Ye	es	X	No				
17)	Virgin reservo	ir pressu	ıre in targe	t formation	on:		1,	400	psig.	Source		Estimated	
18)	Estimated res	ervoir fra	acture pres	sure:			3,	500	psig.				
19)	MAXIMUM P	ROPOSE	D INJECT	TION OPI	ERATIO	ONS:	Volume per hour	25 bb	1	Bottom Hole P	ressure	2,332 ]	psi
							JECTED, INCL	LIDING A	DDITIVES	Fresh water	r produc	ed water, bac	tericide
20)	and other cher	micals as	needed to	maintain	water	quality ar	nd improve oil red	covery.		7,200, 11,410	Present	**************************************	
21)	FILTERS (IF	ANY)		Cartridge	filters	and/or co	al bed filters						
			R CATHOD	IC PROT	ECTIC	N AND O	THER CORROS	ION CON	TROL				
23)	CASING AND	TUBIN	G PROGRA	AM									
		100111					DOOMAGE D	WDT2T2X7 A T	C	OEMENT EI	LITID	DACKE	PPC
	NG OR	G:	SPECIFICATIONS			Used	FOOTAGE INTE		in Well	OR SACKS (CU. FT.)		PACKERS	
-	ING TYPE	Size	Grade	Weight	New	Usea	For Drining	Leit	III Well	OR BACKS (C		Kinds	
	uctor 1 Water	8 5/8"	LS & ST&C	20#	X		308'	30	08'	Existing Casin		Tension	
Coal	rwater	0 0/0	15 6 5160	2011	Λ		000	-		Office		Sizes	
A-Cluster	mediate	_								City in	~~	2.375"x4.5"	g -
_	uction	4 1/2"	J-55	10.5#	X		3082'	30	082'	Existing Casir	ng	Depths Set	
Tubii		2 3/8"	J-55	4.6#	X		2925'	29	925'	122	1130	2825'	
Line						1						Perforations	
										[15pt 24	-	Top Bott	om
										ETVINATION	Brital	Division	
			- 1							100	7.00	- Antectic	JII
24)	APPLICANTS	SOPERA	TING RIG	HTS wer	e acqui	red from	Jasp	er & Mary	Lemaster	S			
/	by Deed		Lease	X	0	ther Cont	ract	Dated	Septe	mber 24, 1895		of record in t	he
Y			Tyler		Count	y Clerk's	Office in	Lease	Book	33 at 3	Page	73	

# State of West Virginia Division of Environmental Protection Section of Oil and Gas

Well Operator's Report of Well Work

Farm name: MCCOY, DONALD L. Operator Well No.: LEMASTERS M-12 LOCATION: Elevation: 1033.00 Quadrangle: CENTER POINT District: MCELROY County: TYLER 10800 Feet South of 39 Deg. 30Min. 0 Sec. Latitude: Longitude 2150 Feet West of 80 Deg. 40 Min. 0 Sec. Company: PENNZOIL PRODUCTS COMPANY P. O. BOX 5519 Casing | Used in VIENNA, WV 26105-5519 Left Cement Fill Up Tubing | Drilling | Agent: JAMES A. CREWS in Well|Cu. Ft. Size Inspector: MIKE UNDERWOOD Permit Issued: 11/02/92 01/04/93 Well work Commenced: Well work Completed: 05/01/93 Verbal Plugging Permission granted on: 8-5/8" 3091 3091 140 sks. Rotary X Cable R:
Total Depth (feet) 3050' 4-1/2" Fresh water depths (ft) 3038.751 3038.751 300 sks. N/A Salt water depths (ft) Is coal being mined in area (Y/N)? Coal Depths (ft): N/A OPEN FLOW DATA (Water Injection Well) Producing formation Gordon Gas: Initial open flow Pay zone depth (ft)2914-2970 MCF/d Oil: Initial open flow\_\_\_\_ Final open flow Bb1/d MCF/d Time of open flow between initial and final tests Final open flow Bbl/d Static rock Pressure \_\_\_\_psig (surface pressure) after \_ Hours Hours Second producing formation\_ Gas: Initial open flow\_\_\_\_ Pay zone depth (ft)\_ MCF/d Oil: Initial open flow\_\_ Final open flow Bbl/d MCF/d Final open flow Time of open flow between initial and final tests Bbl/d Static rock Pressure \_\_\_\_\_psig (surface pressure) after Hours Hours NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE. MOA 3 0 5013, For: PENNZOIL PRODUCTS COMPANY ertment of MA Dab By: Timothy P. Roush, Supervisor - Surveying/Mapping Date: September 14, 1993

### Treatment

Perforated: Gordon w/20 holes. 2948' - 2958'

w/300 gal. 15% HCL acid, 275 bbls gelled water, 1500# 80/100 sand and 3500# 20/40 sand. Treated:

### Well Record

0 1 1 1			
Sand and Shale	0	-	497
Shale	497	_	694
Limestone			745
Shale			860
Limestone			870
Shale			913
Sand and Shale			
Shale			1062
Sand			1238
			1284
Shale	1284	_	1454
Sand	1454		1806
Shale			1875
Sand			1982
Shale			2072
Little Lime	2072		
Shale			
Big Lime	2086		
	2114		
Big Injun	2167		
Shale	2355	-	2914
Gordon	2914	_	2970
T.D.	3050		

WW-3A 10/07

5) Surface Owner(s) To Be Served



1) Date:		August 12	, 2013		
2) Operator's We	ll No.	L. J. Lema	asters N	No. M-12	
3) API Well No.	47	095	-	1511	
1700	State	County		Permit	
4) UIC Permit N	0.	UIC2R095	01AP		

## 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

7 (a) Coal Operator

(a) Name	Donald McCoy √		Name	NA
Address	Alvy, WV 26377	Ad	ldress	
	Charleston, WV 25305			
(b) Name	James & Betty McCoy	7 (b) Co.	al Owner(s	s) With Declaration Of Record
Address	HC 62, Box 80-C		Name	NA
	Alvy, WV 26377	Ad	ldress	
(c) Name				
Address			Name	
		Ad	ldress	
6) Inspector	Joe Taylor	7(c) Coa	l Lessee W	7ith Declaration Of Record
Address				NA
0.555	Ripley, WV 25271		-	
Telephone				
3 1171				rm and the following documents:
which sets The date proportion THE REASON Y WHICH ARE SU ARE NOT REQU Take notice that u Application and ac Environmental Proportion WW-6. Copies of the		U HAVE F WW-3(A) I d well operate of the Office attached at Reclamati	AMATION  RIGHTS I  DESIGNA  ator proposition Oil a  Application on Plan ha in circums	REGARDING THE APPLICATION ATED TO YOU. HOWEVER YOU  sees to file or has filed this Notice and and Gas, West Virginia Department of an and depicted on the attached Form ave been mailed by registered or tances) on or before the day of the
	The person signing this document shall make the	following	certificati	on:
"I certify under pe	nalty of law that I have personally examined and am	Well Op	erator	HG Energy, LLC
	nformation submitted in this document and all attachments	Addres		5260 Dupont Road
	my inquiry of those individuals immediately responsible			Parkersburg, WV 26101
for obtaining the i	nformation, I believe that the information is true, accurate	2		Val. 3 U 5
	aware that there are significant penalties for submitting	By:		Diane C. White
false information,	including the possibility of fine and imprisonment."	Its:		Accountant
				Environmental Des
		Cianat	***	Discoul John Floor
Oil and Gas Priva	ny Nation	Signatu	16	andre with
On and Gas Friva	y monee			

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

## 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:

X 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.

No known Water Supply Sources are located within 2000' of proposed well.

RECEIVED

Office of Office Cas

KU/ 20003

2006 junio 2007 Environmental Protection .. Form WW-9 Rev. 10/94

-6 (	Page	3	. of		8 .	
API	Number 47-	095	±	+ -	1511	17.
Operator's Well No.	L. J. Lem	asters	No. M	-12		

### 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 Energ	ev. LLC				on a	(EVITE	545, 527
Watershed	Lefthand			0	uadrangle	OP Code	49449	-
Elevation	1033'	County	Tyler		District	Cen	terpoint 7.5	
Description of	anticipated Pit Waste:		intered in drilling	z and stimulati	and the same of th	307 3370 717	Green	-
Do you anticip	oate more than 5,000 bbls	of water to com	plete the proposed	well work Yes		No No	X	
	ic liner be used in pit?	Yes	If so, what mil.		-	V	- 11	2
	osal Method For Treated			. 40 1411.				
	X Land Appli							
-			l Permit Number	45				)
-	Reuse (at A		*					)
-	Off Site Dis	posal (Supply Fo (Explain	orm WW-9 for dispo	sal location)				
Thatti	-							)
	m anticipated for this we If oilbased, what type? S			NA NA				
Additives to be		ymment, petrote	eum, etc.					
Drill cuttings d	lisposal method? Leave i	n pit, landfill, re	moved offsite, etc.	Leave in	pit	-		
-	If left in pit and plan to s	colidify, what me		Coment, lime, s		Native s	oil, cement,	lime
- 1	Landfill or offsite name/p	permit number?			-			
issued on Augu that the provisi	certify that I understand ist 1, 2005, by the Office i ions of the permit are end or regulation can lead to	of Oil and Gas of forceable by law.	the West Virginia Violations of any to	Department of E	nvironme	ntal Prote	ection. I unde	erstand
issued on Augu that the provisi applicable law of this application for obtaining the penalties for su	ist 1, 2005, by the Office of ions of the permit are end or regulation can lead to certify under penalty of 1 if form and all attachments information, I believe the information of the	of Oil and Gas of forceable by law. enforcement act aw that I have puts thereto and the latter the information that the information and the content of the c	the West Virginia Violations of any to ion. ersonally examined at, based on my ind tion is true, accurate possibility of fine of	Department of E erm or condition I and am familia quiry of those indite and complete. or imprisonment.	of the gen r with the lividuals in I am awar	ntal Prote eral perm informati nmediate	ection. I unde nit and/or oth ion submitted dy responsibl	erstand er d on le
issued on Auguithat the provision applicable law of this application for obtaining the penalties for su  Company Office.	ist 1, 2005, by the Office of ions of the permit are end or regulation can lead to certify under penalty of 1 a form and all attachments information, I believe to builting false information field Signature	of Oil and Gas of forceable by law. enforcement act aw that I have puts thereto and the latter the information that the information and the content of the c	the West Virginia Violations of any to ion. ersonally examined at, based on my ind tion is true, accurate possibility of fine of	Department of E erm or condition I and am familia Juiry of those ind te and complete.	of the gen r with the lividuals in I am awar	ntal Prote eral perm informati nmediate	ection. I unde nit and/or oth ion submitted dy responsibl	erstand er d on le
issued on Augusthat the provision applicable law of this application for obtaining the penalties for su  Company Officompany	ist 1, 2005, by the Office of ions of the permit are entered to regulation can lead to certify under penalty of 1 in form and all attachments information, I believe to the information of the control of the ion	of Oil and Gas of forceable by law. enforcement act aw that I have puts thereto and the latter the information that the information and the content of the c	the West Virginia Violations of any to ion. ersonally examined at, based on my ind tion is true, accurat possibility of fine of  Diane C. White	Department of E erm or condition and am familia quiry of those indicate and complete. In imprisonment, and which with the condition of the con	of the gen r with the lividuals in I am awar	ntal Prote eral perm informati nmediate	ection. I unde nit and/or oth ion submitted dy responsibl	erstand er d on le
issued on Auguithat the provision applicable law of this application for obtaining the penalties for su Company Officompany	ist 1, 2005, by the Office of ions of the permit are entered to regulation can lead to certify under penalty of 1 in form and all attachments information, I believe to the information of the control of the ion	of Oil and Gas of forceable by law. enforcement act aw that I have puts thereto and the latter the information that the information and the content of the c	the West Virginia Violations of any to ion. ersonally examined at, based on my ind tion is true, accurate possibility of fine of	Department of E erm or condition and am familia quiry of those indicate and complete. In imprisonment, and which with the condition of the con	of the gen r with the lividuals in I am awar	ntal Prote eral perm informati nmediate	ection. I unde nit and/or oth ion submitted dy responsibl	erstand er d on le
issued on Augusthat the provision applicable law of this application for obtaining the penalties for su  Company Officompany	ist 1, 2005, by the Office of ions of the permit are entered to regulation can lead to certify under penalty of 1 in form and all attachments information, I believe to the information of the control of the ion	of Oil and Gas of forceable by law. enforcement act aw that I have puts thereto and the latter the information that the information and the content of the c	the West Virginia Violations of any to ion. ersonally examined at, based on my ind tion is true, accurat possibility of fine of  Diane C. White	Department of E erm or condition and am familia quiry of those indicate and complete. In imprisonment, and which with the condition of the con	of the gen r with the lividuals in I am awar	ntal Prote eral perm informati nmediate	ection. I unde nit and/or oth ion submitted dy responsiblere are signif	erstand der don le cicant
issued on Auguithat the provision applicable law of this application for obtaining the penalties for su Company Offi Company Offi Company Offi	ist 1, 2005, by the Office of ions of the permit are end or regulation can lead to certify under penalty of larger and all attachments information, I believe to information false information icial Signature icial (Typed Name) icial Title	of Oil and Gas of forceable by law. enforcement action with a traction and the contraction of the contraction, including the	the West Virginia Violations of any to ion. ersonally examined at, based on my ind tion is true, accurat possibility of fine of Diane C. White Accountant	Department of E erm or condition I and am familia quiry of those ind te and complete. or imprisonment.	of the gen r with the lividuals in I am awar	ntal Prote eral perm informati nmediate	ection. I unde nit and/or oth ion submitted dy responsiblere are signif	erstand er d on le
issued on Auguithat the provision applicable law of this application for obtaining the penalties for su Company Offi Company Offi Company Offi	ist 1, 2005, by the Office of ions of the permit are entered to regulation can lead to certify under penalty of 1 in form and all attachments information, I believe to the information of the control of the ion	of Oil and Gas of forceable by law. enforcement action with a traction and the contraction of the contraction, including the	the West Virginia Violations of any to ion. ersonally examined at, based on my ind tion is true, accurat possibility of fine of Diane C. White Accountant	Department of E erm or condition I and am familia quiry of those ind te and complete. or imprisonment.	of the gen r with the lividuals in I am awar	ntal Prote eral perm informati nmediate	ection. I unde nit and/or oth ion submitted dy responsiblere are signif	erstand der don le cicant
issued on Augusthat the provision applicable law of this application for obtaining the penalties for su Company Officompany Of	ist 1, 2005, by the Office of ions of the permit are end or regulation can lead to certify under penalty of 1 in form and all attachmen are information, I believe to information ficial Signature icial (Typed Name) icial Title	of Oil and Gas of forceable by law. enforcement action with a transfer and the chat the information, including the	the West Virginia Violations of any to ion. ersonally examined at, based on my ind tion is true, accurat possibility of fine of  Diane C. White	Department of E erm or condition I and am familia quiry of those ind te and complete. or imprisonment.	Invironme: of the gen r with the lividuals in I am awar	ntal Prote eral perm information mediate that the	ection. I unde nit and/or oth ion submitted dy responsiblere are signif	erstand der don le cicant
issued on Augusthat the provision applicable law of this application for obtaining the penalties for su Company Officompany Of	ist 1, 2005, by the Office of ions of the permit are end or regulation can lead to certify under penalty of 1 in form and all attachment in information, I believe to institute ficial Signature icial (Typed Name) icial Title	of Oil and Gas of forceable by law. enforcement action with a Have plus thereto and the chat the information, including the	the West Virginia Violations of any to ion. ersonally examined at, based on my ind tion is true, accurat possibility of fine of Diane C. White Accountant	Department of E erm or condition I and am familia quiry of those ind te and complete. or imprisonment.	Invironme: of the gen r with the lividuals in I am awar	ntal Prote eral perm informati nmediate	ection. I unde nit and/or oth ion submitted dy responsiblere are signif	erstand der don le cicant
issued on Auguithat the provision applicable law of this application for obtaining the penalties for su Company Offi Company Offi Company Offi	ist 1, 2005, by the Office of ions of the permit are end or regulation can lead to certify under penalty of 1 in form and all attachment in information, I believe to ibmitting false information icial Signature icial (Typed Name) icial Title	of Oil and Gas of forceable by law. enforcement action with a second and the chart the information, including the	the West Virginia Violations of any to ion. ersonally examined at, based on my ind tion is true, accurat possibility of fine of Diane C. White Accountant	Department of E erm or condition I and am familia quiry of those ind te and complete. or imprisonment.	Invironme: of the gen r with the lividuals in I am awar	ntal Prote eral perm information mediate e that the	ection. I undenit and/or other in submitted by responsible ere are significant.	erstand der don le cicant
issued on Auguithat the provision applicable law of this application for obtaining the penalties for su Company Offic Company Of	ist 1, 2005, by the Office of ions of the permit are end or regulation can lead to certify under penalty of 1 in form and all attachment in information, I believe to institute ficial Signature icial (Typed Name) icial Title	of Oil and Gas of forceable by law. enforcement action with a Have plus thereto and the chat the information, including the	the West Virginia Violations of any to ion. ersonally examined tat, based on my ind tion is true, accurate possibility of fine of Diane C. White Accountant	Department of E erm or condition I and am familia quiry of those ind te and complete. or imprisonment.	Invironme: of the gen r with the lividuals in I am awar	ntal Prote eral perm informati nmediate e that the	action. I under a nit and/or other in submitted by responsible are significant with the submitted by responsible are are significant.	erstand der don le icant
ssued on Augusthat the provision applicable law of this application for obtaining the penalties for su Company Offic Company Off	ist 1, 2005, by the Office of ions of the permit are end or regulation can lead to certify under penalty of 1 in form and all attachment in information, I believe to institute ficial Signature icial (Typed Name) icial Title	of Oil and Gas of forceable by law. enforcement action with a Have plus thereto and the chat the information, including the	the West Virginia Violations of any to ion. ersonally examined tat, based on my ind tion is true, accurate possibility of fine of Diane C. White Accountant	Department of E erm or condition I and am familia quiry of those ind te and complete. or imprisonment.	Invironme: of the gen r with the lividuals in I am awar	ortal Protection of the control of t	cation. I undenit and/or other in submitted by responsible are significant and submitted by responsible are are significant and submitted by the submitted by t	erstand her  d on le licant
ssued on Augusthat the provision applicable law of this application for obtaining the penalties for su Company Offic Company Off	ist 1, 2005, by the Office of ions of the permit are end or regulation can lead to certify under penalty of 1 in form and all attachment in information, I believe to institute ficial Signature icial (Typed Name) icial Title	of Oil and Gas of forceable by law. enforcement action with a Have plus thereto and the chat the information, including the	the West Virginia Violations of any to ion. ersonally examined tat, based on my ind tion is true, accurate possibility of fine of Diane C. White Accountant	Department of E erm or condition I and am familia quiry of those ind te and complete. or imprisonment.	Invironme: of the gen r with the lividuals in I am awar	ortal Protection of the control of t	action. I under the author of the submitted by responsible are significant to the submitted by responsible are are significant to the submitted by the submitte	erstand her  d on le licant

Legend
--------

Property Boundary	**************************************	Diversion	
Road		Spring	<b>○</b> →
Existing Fence	xx	Wet Spot	\tag{\tau}
Planned Fence	<u> </u>	Drain Pipe	
Stream		· Waterway	$\longleftrightarrow \longleftrightarrow \longleftrightarrow$
Open Ditch	>	Cross Drain	77/77/1/1/
Rock	2000 B	Filter Strip	XXXXXXXXX
***************************************	2500 40	Pit: Cut Walls	Cum
North	N		
		Pit: Compacted Fill Walls	
Buildings	w	FIII Walls	Arrive .
Water Wells	<b>w</b>	Area of Land Application	
Drill Site	$\oplus$	of Pit Waste	
			·
23.23	Are	20 T	
roposed Revegetation Treatm			evegetation pH
	Are	a II	
	Approx.	0.3 Ac.	
			<del></del>
Lime	2 Tons/Acre or C er (10-20-20 or Equivalent) 50		lbs Minimum)
Fertiliz Mulch	er (10-20-20 or Equivalent) 50 Straw 2 Tons/A	<del></del>	ios. winimum <i>j</i>
· ·	Duaw 2 1016/12		
	SEED MI	XTURES	
Area	I (Location)		Area II (Road)
Seed Type	Lbs/Ac.	Seed Type	Lbs/Ac.
Tall Fescue	: 40	Tall Fescue	40
Ladino Clover	. 5	Ladino Clover	5
<del></del>			
315 GD 42 CD 20 CD			
Attach:			·
Drawing(s) of road, location, p Photocopied section of involv	oit and proposed area for land application	on	
I Horocobied section of Misors	ou 7.5 topographio sheet.		
Plan approved by:	april -		
Comments:	· · · · · · · · · · · · · · · · · · ·		
	-		
Title: Zo	Specific management and		Date: 11-14-13
Triald Development 1 15	The second of th	, ,	
Field Reviewed?	y Yes	( )	No

### Reclamation Plan For:

## L.J. Lemasters No. M-12

47-095-1511

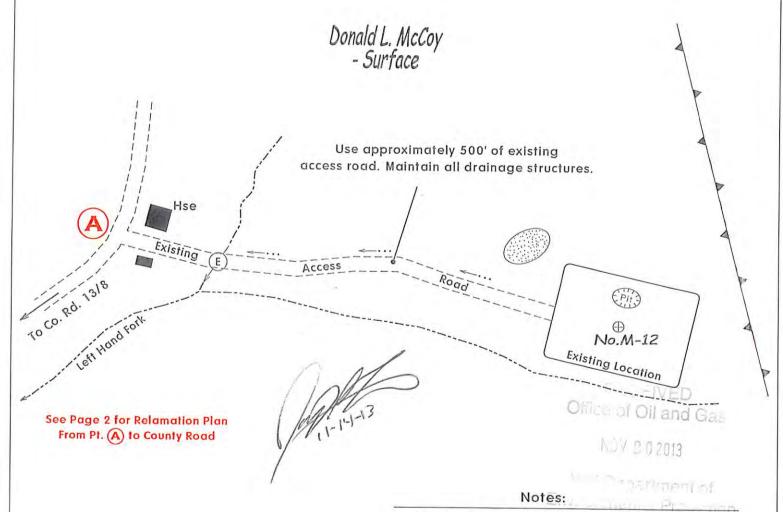
### NOTE:

WELL LOCATION WAS BUILT AND RECLAIMED UNDER DRILLING PERMIT NO.47-095-1511. ONLY MINIMAL EARTHWORK WILL BE REQUIRED FOR PROPOSED WELL WORK. ALL DISTURBED AREAS WILL BE RE-VEGETATED AS PER THE SEEDING PLAN ON FORM WW-9. A SMALL WORKOVER PIT WILL BE CONSTRUCTED TO CONTAIN ANY FLUIDS RECOVERED DURING PROPOSED WELL WORK.



#### NOTE

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



- Requested permit is for workover of existing well.
- Access from County Road to well location is existing. Structures will be maintained.
- 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 work-over pit may be changed based on as-built considerations.

95015/1RS

