

Environment 101 State of West Virginia 1997 vision of Environmental Protection Section of Oil and Gas

Permitting Cilco of Oil & Gas Well Operator's Report of Well Work

Farm name: WEST

Operator Well No.: WAGNER #7

LOCATION:

Elevation: 962.00

Quadrangle: BENS RUN

County: PLEASANTS District: UNION Latitude: 5400 Feet South of 39 Deg. 25Min. 0 Sec. Longitude 6400 Feet West of 81 Deg. 2 Min. 30 Sec.

Company: OHIO L & M COMPANY, INC.

4150 BELDEN VILLAGE CANTON, OH 44718-0000

Agent: PEGGY COFFMAN

Inspector: SAM HERSMAN

Permit Issued: 06/03/97

Well work Commenced: 07/01/97 Well work Completed: CBICS/97

Verbal Plugging

Permission granted on:

Rotary X Cable Rig

Total Depth (feet) 740 Amginal

Fresh water depths (ft)

60-250

Salt water depths (ft) 800'

Is coal being mined in area (Y/N)? N Coal Depths (ft):

Casing & Tubing	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
Size		Z90'	CTS
41/2		2912.41	300 SX
11/2"		7512	NA

OPEN FLOW DATA

Producing formation Brack - Thinky Foot Pay zone depth (ft) Gas: Initial open flow MCF/d Oil: Initial open flow Final open flow MCF/d Final open flow Bbl/d Time of open flow between initial and final tests Static rock Pressure psiq (surface pressure) after Hours

Accomple from Second producing formation SquAN Pay zone depth (ft) 301.

Gas: Initial open flow 5.0 MCF/d Oil: Initial open flow 2.0

Final open flow 5.0 MCF/d Final open flow 7.0 Pay zone depth (ft) 3012-3038 Bbl/d Time of open flow between initial and final tests Hours Static rock Pressure 395 psig (surface pressure) after 24

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.

For:	OHIO	L &	M COMPANY	L, INQ.	
			Marth	, , , , ,	1
	By:_	/ //	1000	vicus	•
	Date	:	8~1	11-97	

- 1. Wide Mouth Alpha Frac Plug Set At 2300 C.L.
- 7. Squan Sand perforanted with 19 shots
 from = 2010' 2032'
- 3. Well Fractured with:
 - A. 500 CAHONS ACID
 - B. BREAL DOWN Pressure 2651#
 - C. Thenting Rate 12-18 Bpm Trunting Pressure - 2931 - 2800 ps:
 - D. Pumped 262 BB(. CROSS LINK Gel With 25,000 # 20/40 SAND BAND RATE 5 #/9A/ STANT RAMPED TO 4 #/4A/ END
- 4. Flow Back well on 78" Choke 18hrs 60% recovered such and saws pump out Frac

 BALL Comingle zowes
 - 5. Frac Water Hauled By Campen Well Service to Davis/Ituffman Disposal well "WAShington Co. Ohio #
 - 6. 5.0 mcFD GAS 1.0-2.0 BOPD

J.





STATE OF WEST VIRGINIA

DEPARTMENT OF MINES

OIL & GAS DIVISION

Oil and Gas Division

2 and millio		WELL	RECORD		Rotary Cable Recycling Water Flood Disposal	$\begin{array}{cccc} & Gas & Gas \\ & Gomb. & x \\ & Storage & \end{array}$
Address Rt. 1, Mar	ietta, OH	45750	Casing and Tubing	Used in Drilling	Left in Well	Cement fill up
Farm Elliott/Wagn	er A	cres511.3		Drining	III WEII	Cu. ft. (Sks.)
		0621	Size			
			20-16			
	,		<u>Cond.</u> 13-10"	 		
Westvaco	mit No. 47-073-0836 mpany L&M Petroleum Co. dress Rt. 1, Marietta, OH 4575 m Elliott/Wagner Acres 5 mation (waters) Sugar Creek 1 No. 7 Elev. 96: drict Union County Pleasant surface of tract is owned in fee by Westvaco dress Ruppert, WV drail rights are owned by L.C. Wagner & liott Address Rt. #2, St. Marys ding Commenced 7/16/80 dial open flow 50 M cu. ft. per day dial open flow 50 M cu. ft. per day dial open flow 11/19/80 using 60 W/ 100MSCF Nitrogen was encountered at howater well on 11/19/80 using 60 W/ 100MSCF Nitrogen Coal Sand & Shale Maxon Send dig Lime 3.Injun Sand Guaw Send Gu					
Address Ruppert,	WV		9 5/8 8 5/8			
Mineral rights are owned b	y L.C. Waqı	ner &	7			
Elliott Address Rt		Marys, WV	5 1/2			
Drilling Commenced			4 1/2	2912.41	2912.4	300 sx
			3			
Initial open flow 230	cu. ft	bbls.	2			
rinal production 00 //	cu. ft. per day_	bbls.	Liners Used			
	hrs. before test	RP.	Attach copy of			
W/ 100MSCF N	itrogen	ing 600 b	bl water & 6	OM# sand	at 1860	psig, 43BPM
					· · · · · · · · · · · · · · · · · · ·	FD. 2940
		Fee	et	Inches		
Fresh water		et	Salt V			Feet
Toducing Sand Dere	<u>a</u>		Deptl	2507 -	2510	
Formation Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or	Water *	Remarks
Coal		1018	1021			
Sand & Shale		1021	1695			•
		1695	1700			
		1791	1845			
			2000			
Weir Sand			2039			
Berea Sand		-	2358 2510			
Gordon Sand		2805	2815			
			+ = 1			
•			1. Charle			
NOTE: No logs o	r Samples wer	e taken ab	ove these dept	hs.		
						•
	- 1					

(over)

* Indicates Electric Log tops in the remarks section.



STATE OF WEST - VIRGINIA DEPARTMENT OF MINES



Oil and Gas Division

,21002109159 WERNOL

and the well operator authorized to proceed.

Signed by .

"I have read and understand the reclamation requirements as set forth in Chapter 22, Article 4, Section 12-b and will carry out the specified requirements."

OIL & GAS DIVISION

1 to the second of the second

47-073-0836

PERMIT NUMBER

OIL AND GAS WELL PERMIT APPENDATIONMINE

Address Rt. 1, Box 18-8, Marietts, OH Address Nt. 11	TO THE DEPARTMENT OF MINES,	The state of the s
Address Rt. 1, Box 18-8, Merietts, DH Address Rt. 1, Box 18-8, Merietts, DH Address St. Marys, MV Location (watern). Sugar Creek Location (watern). Location (watern). Sugar Creek Location (watern). Location (watern). Su	Charleston, W. Va.	DATE March 18, 1980
Address Ruppert, MV Internal Owner L.C. Wagner & W.J. Elliatt St. Marys, MV Coal Owner Same as above Well No. 7 County, Pleasant Outdoors None Address MIS PERMIT MUST BE POSIDD AT THE WELL SITE If provisions being in occordonce with Chapter 22 If provisions being in occordonce with the Department of Mines within the (10) and provision 22 If provision	Surface Owner Westvaco	_ Company L&M Petroleum, Co.
Location (waters) Same as above Same as above Well No. 7 Elevation 9621 Outperstor None Outperstor Non	Address Ruppert, WV	_ Address Rt. 1, Box 18-8, Marietta, OH
Location (waters) Same as above Same as above Well No. 7 Elevation 9621 Outperstor None Outperstor Non	Mineral Owner L.C. Wagner & W.J. Elliott	Farm Elliott-Wagner 511.3
Same as above Same as above Well No. 7 Elevation 9621	Address St. Marys, WV Assets	the state of the s
District Union County Pleasant	Coal Owner Same as above	
Oal Operator. None Oddress. Quadrangle Bens Run Oddress. Bens Run Oddress. Grant MUST RE POSTED AT THE WELL SITE Ill provisions being in accordance with Chapter 22, fi this W. Vo. Cods, the location is hereby approved of dilling. This permit shall expire if portformy have my commenced by 11-24-80. Deputy Director - Oil & Gas Division PHONE 758-4573 Deputy Director - Oil & Gas Division PHONE 758-4573 ENTILEMEN: The undersigned well operator is entitled to drill upon the above named farm or tract of land for oil and gas, having fee the thereto, (or as the case may be) under grant or lease dated 11/2 & 11/12 19. 77 by L.C. Wagner Fillingth made to J.E. Dids and recorded on the 15 & 21 day of Nov. Fillingth made to J.E. Dids and recorded on the 15 & 21 day of Nov. Fillingth Dill AND GAS WELL ORIGINALLY DRILLED EFFORE JUNE 5, 1969. The enclosed plat was prepared by a registered engineer or licensed land surveyor and all coal owners and/or operators are hereby notified that any objection they wish to make, or are required make by Section 3 of the Code, must be received by, or filed with the Department of Mines within ten (10) days. * Copies of this notice and the enclosed plat were mailed by registered mail, or delivered to the above named coal operators coal owners at their above shown respective address dress which well operation. West Virginia. Very truly your L & M Petroleum, Co. EASE SUBMIT COPIES OF ALL COPHYSICAL LOGS DIRECTLY TO: ST VIRGINIA GEOLOGICAL AND One of the mailing of delivery of the copy to the Department of Mines at Charleston, West Virginia. Very truly your L & M Petroleum, Co. Source #1, Box 18-B, Newport P. Chyles Cry or Town One of the file of the day from the trule of the day from the cord of the day with the permittent of mines at Charleston, West Virginia. Very truly your L & M Petroleum, Co. State *SECTION 3 If no objections are filed of found by the Department of mines within mid world of the day for the trule of the code of the code of the code of the code of the		
HIS PERMIT MUST BE POSTED AT THE WELL SITE If provisions being in accordance with Chapter 22, fish W. V.a. Code, the location is hereby approved by different provisions being in accordance with Chapter 22, fish W. V.a. Code, the location is hereby approved by different provisions permit shall expire if perditing flux projections are fished to drill upon the above named farm or tract of land for oil and gas, having fee the thereto, (or as the case may be) under grant or lease dated 11/2 8 11/12 19 77 by L.C. tilagner Ellingth made to J.E. Olds and recorded on the 15 8 21 day of Nav. 177 in Pleasants County, Book 148 page 528,529, 8 556 X NEW WELL DRILL DEFIER REDRILL FRACTURE OR STIMULATE OIL AND GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1969. The enclosed plat was prepared by a registered engineer or licensed land surveyor and all coal owners and/or operators we been notified as of the above date. The above named coal owners and/or operator are hereby notified that any objection they wish to make, or are required make by Section 3 of the Code, must be received by, or filed with the Department of Mines within ten (10) days. ** Copies of this notice and the enclosed plat were mailed by registered mail, or delivered to the above named coal operators coal owners at their above shown respective address of well operations of the Code, must be received by, or filed with the Department of Mines within ten (10) days. ** Copies of this notice and the enclosed plat were mailed by registered mail, or delivered to the above named coal operators coal owners at their above shown respective address of the with the Department of Mines at Charleston, West Virginia. Very truly young 1 & M Petroleum, Co. EXI VIRGINIA COLOGICAL AND Conditions of the Code, must be received by, or filed with the Department of Mines at Charleston, West Virginia. Very truly young 1 & M Petroleum, Co. Sizet Mail 1 for objections are filed on Jound by the Department of Mines within pit period of ten due for the most of the code of ten due for	Coal Operator	and the second s
INSPECTOR To be notified as of the above named coal owners and/or operators we been notified as of the above named coal owners at their above named for notified the mediang or delivery of this copy to the Department of Mines within ten (10) days. **SECTION 3 If no objections are filed or found by the Department of Mines within the register of the second of the coal owners and/or operators are hereby notified with the Department of Mines within ten (10) days. **SECTION 3 If no objections are filed or found by the Department of Mines within the second of the second of the second of the second of the coal owners and the second of the coal owners and the second of the coal owners and the mailing or delivery of this copy to the Department of Mines within ten (10) days. **SECTION 3 If no objections are filed or found by the Department of Mines within the second of the second o	THIS PERMIT MUST BE POSTED AT THE WELL SITE	
perdiffensions by commenced by 11-24-80 Deputy Director Oil & Gas Division Deputy Director Oil & Gas Division PHONE 758-4573 PHONE 758-4	All provisions being in accordance with Chapter 22, of the W. Va. Code, the location is hereby approved	
Deputy Director Oil & Gas Division PHONE The undersigned well operator is entitled to drill upon the above named farm or tract of land for oil and gas, having fee the thereto, (or as the case may be) under grant or lease dated 11/2 & 11/12 19 77 by L.C. Wagner Filingt made to J.E. Olds And recorded on the 15 & 21 day of Nov. 777 in Pleasants County, Book 148 Page 528,529, & 556 X NEW WELL DERILL DEEPER REDRILL FRACTURE OR STIMULATE OIL AND GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1969. The enclosed plat was prepared by a registered engineer or licensed land surveyor and all coal owners and/or operators we been notified as of the above date. The above named coal owners and/or operator are hereby notified that any objection they wish to make, or are required make by Section 3 of the Code, must be received by, or filed with the Department of Mines within ten (10) days. * Copies of this notice and the enclosed plat were mailed by registered mail, or delivered to the above named coal operators coal owners at their above shown respective address me day with the mailing or delivery of this copy to the Department of Mines at Charleston, West Virginia. Very truly your L & M Petroletim, Co. EASE SUBMIT COPIES OF ALL (Sign Name) Very truly your L & M Petroletim, Co. P. 1. Box 18-8, Newport P. Street Cry or Town Well Operator Well Operator Well Operator Well Operator Well Operator State **SECTION 3 If no objections are filed or found by the Department of mines within rid coiled to the store of the days for the section of the state of the section of the state of the section of the se	land the distriction of the control	
Deputy Director - Oil & Gos Division PHONE 758-4573 PHONE 158-858 PHONE 158-	operations have not commenced by 11-24-80	P.D. Box 173-Dodd Street
ENTLEMEN: The undersigned well operator is entitled to drill upon the above named farm or tract of land for oil and gas, having fee the ento. (or as the case may be) under grant or lease dated 11/2 8 11/12 19 77 by L.C. Wagner Ellintt made to J.C. Olds and recorded on the 15 8 21 day of NOV. The enclosed of the Drill Deeper Redrill Fracture or Stimulate OIL AND GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1969. The enclosed plat was prepared by a registered engineer or licensed land surveyor and all coal owners and/or operators we been notified as of the above date. The above named coal owners and/or operator are hereby notified that any objection they wish to make, or are required make by Section 3 of the Code, must be received by, or filed with the Department of Mines within ten (10) days. Copies of this notice and the enclosed plat were mailed by registered mail, or delivered to the above named coal operators coal owners at their above shown respective address day before, or on the me day with the mailing or delivery of this copy to the Department of Mines at Charleston, West Virginia. Very truly young L & M Petroleuim, Co. EASE SUBMIT COPIES OF AIL OPHYSICAL LOGS DIRECTLY TO: (Sign Name) Very truly young L & M Petroleuim, Co. Well Operator Well Operator Well Operator Well Operator Well Operator Well Operator On Box 879 RECTION 3 If no objections are filed or found by the Department of mines within and second of the days found the property of the condition of the property of th	Notat to flet	DDRESS Middlebourne, WV 26149
The undersigned well operator is entitled to drill upon the above named farm or tract of land for oil and gas, having fee the thereto, (or as the case may be) under grant or lease dated 11/2 8 11/12 19.77 by L.C. Usegner Fillintt made to J.E. Olds and recorded on the 15 8 21 day of Nov. 77 in Pleasants County, Book 148 page 528,529, 8 556 X NEW WELL DRILL DEEPER REDRILL FRACTURE OR STIMULATE OIL AND GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1969. The enclosed plat was prepared by a registered engineer or licensed land surveyor and all coal owners and/or operators we been notified as of the above date. The above named coal owners and/or operator are hereby notified that any objection they wish to make, or are required make by Section 3 of the Code, must be received by, or filed with the Department of Mines within ten (10) days. Copies of this notice and the enclosed plat were mailed by registered mail, or delivered to the above named coal operators coal owners at their above shown respective address day before, or on the me day with the mailing or delivery of this copy to the Department of Mines at Charleston, West Virginia. LEASE SUBMIT COPIES OF ALL COPHYSICAL LOGS DIRECTLY TO: (Sign Name) Very truly yours L & M Petroleium, Co. SIT VIRGINIA GEOLOGICAL AND Conditions are filed or Jound by the Department of mines within and conditions of the days of the code, must be received of the days of the code of the days of the days of the code of	Deputy Director - Oil & Gas Division	PHONE 758-4573
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Copies of this notice and the enclosed plat were mailed by registered mail, or delivered to the above named coal operators coal owners at their above shown respective address	The above named coal owners and/or operator are hereby make by Section 3 of the Code, must be received by, or f	notified that any objection they wish to make, or are required iled with the Department of Mines within ten (10) days.
COPHYSICAL LOGS DIRECTLY TO: (Sign Name) Well Operator Well Operator CONOMIC SURVEY ORGANTOWN, WEST VIRGINIA 26505 Well Operator Well Operator Well Operator Ohio State State *SECTION 3 If no objections are filed or found by the Department of mines, within said period of ten days from the venice of	coal owners at their above shown respective address	day before or on the
V Well Operator CST VIRGINIA GEOLOGICAL AND CONOMIC SURVEY Address O. BOX 879 ORGANTOWN, WEST VIRGINIA 26505 Carry or Town Ohio State State	LEASE SUBMIT COPIES OF ALL	Very truly yours L & M Petroleum, Co. (Sign Name)
CONOMIC SURVEY O. BOX 879 ORGANTOWN, WEST VIRGINIA 26505 Well Operator Well Operator City or Town Ohio State **SECTION 3. If no objections are filed or found by the Department of mines within said period of tendary from the versit of	_	V Well Operator
O. BOX 879 ORGANTOWN, WEST VIRGINIA 26505 Well Operator Well Operator Ohio 45750 State *SECTION 3. If no objections are filed or found by the Department of mines within said period of ten days from the venice of	CONOMIC SURVEY Addres	Route #1, Box 18-B, Newport Pi
ORGANTOWN, WEST VIRGINIA 26505 Well Operator City or Town Dhio 45750 State *SECTION 3 If no objections are filed or found by the Department of mines within said period of ten days from the versit of	. O. BOX 879 of	Sheet
State *SECTION 3 If no objections are filed or found by the Department of mines within said period of ten days from the remains of	ORGANTOWN, WEST VIRGINIA 26505 Well Open	
State State SECTION 3 If no objections are filed or found by the Department of mines within said period of ten days from the remise of		
*SECTION 3 If no objections are filed or found by the Department of mines within said period of ten days from the remains of	•	Transfer the the transfer to the state of th
*SECTION 3 If no objections are filed or found by the Department of mines within said period of ten days from the remine of	•	
tice and plat by the department of mines, to said proposed location, the department shall forthwith issue to the well operator a permit reciting	*SECTION 3 If no objections are filed or found by the D	Department of mines within said period of ten days from the receipt of

THIS IS AN ESTIMATE ONLY . ACTUAL INFORMATION WILL BE SUBMITTED ON OG-10 UPON COMPLETION

PROPOSED WORK ORDER	TO X DRILL	DEEPEN F	FRACTURE-STIMULATE
DRILLING CONTRACTOR:	(If Known)	RESPONSIBLE AGENT	·
NAME		NAME Richard	ludson
ADDRESS		ADDRESS Perkers	sbúrg, WV 💉
TELEPHONE	CALIFOR YELLOWS	TELEPHONE 304-	-422-7208
ESTIMATED DEPTH OF CO	MPLETED WELL: 2800	ROTARYX	CABLE TOOLS
PROPOSED GEOLOGICAL I	FORMATION: Devonian	Gordon	Sign Company
TYPE OF WELL:	DIL GAS	COMB. X STORAGE	B. message DISPOSAT.
•		CLING WATER FLO	
TENTATIVE CASING PROG	RAM:		Van de Marie II
CASING AND TUBING SIZE		LET IN LET	CEMENT FILL UP
20 - 16	DRILLING	***************************************	OR SACKS - CUBIC IT
13 - 10			
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iners	Signal State of the state of th		Perf. Top
			Pcrf. Bottom
PPROXIMATE FRESH WAT	TER DEPTHS FFF	ETSALT WATER	FEET_
SUBMIT FIVE (5) COP	IES OF OG - 1, \$100.00 PEF	RMIT FEE, PERFORMANCE B	OND AND PERMANENT COPY
OF PLAT		in the second of	
O DRILL DEEPER OR RED	RILL:		The second secon
SUBMIT FIVE (5) COPI	ES OF OG - 1, SHOWING OR	IGINAL PERMIT NUMBER AN	D PEDEODMANGE BOND ON
MUST ALSO BE SUBMI	'A 10 1929, A PERMANENT	COPY OF THE PLAT AND T	THE ORIGINAL WELL RECORD
1	tin the second of the second o	Age manifered to the Market St. Co. 1997 1997 1997	
O FRACTURE - STIMULAT	•	-	en du la 11 mar malindra tr⇔n na na na sebatala.
OIL AND/OR GAS WEL	L ORIGINALLY DRILLED BE	FORE JUNE 5, 1929, FIVE (5) (OPIES OG - 1, PERFORMANCE
-o.i.b, i.m.tiimatbiti Fi	AT AND ORIGINAL WELL F	RECORD.	
ING ORIGINAL PERMIT	ORIGINALLY DRILLED ON	AND/OR AFTER JUNE 5, 192	9. FIVE COPIES OG - 1, SHOW-
	TOMBER, AND PERFORMAN	CE BOND.	. Programme and the second
Required forms must be	filed within ninety (90) days of	of completion for bond release.	Inspector to be notified twenty-
four (24) hours in advan-			
and the second of the second o		***	
		المراجع المراج	
The following univer-			The Table Light After
ereof.	to the completed by the coal of	operator if the permit is to be i	ssued within ten days of receipt
AIVER: I the undersigned	Acont Co-		
this lease have era	mined and place on our -i-	Coal Company, Owner	or Operator of the coal under
		maps this proposed well locati	
We the	- Cour Compan	ny have no objections to said we	ell being drilled at this location,
Code.	as complied with all rules and r	egulations in Articles 4, 5, and 7	, Chapter 22 of the West Virginia
₩ .		Burn on the group of the first of the	
		••	tion of the state
· -	•	<u> </u>	r Coal Company
· · · · · · · · · · · · · · · · · · ·	• and a second s		company

		DEPART	MENT OF E	E OF WEST NERGY, DIV	ISION OF O	L AND GAS	073836ω	,	
			METE MO	RK PERMIT	APPLICATION	۸ ۸ ۸ ۸	sued 06/03/99 unes 06/03/99	197	
Ι)									
2)	Operator	's Well	Number:	L.C. Wagoner	#7		levation: 902	-	
4)	Well typ	e: (a)	0il <u>X</u> /	or Gas	X/ Perm	01 it No. 47-103	- 807		
		(b)	If Gas:		/	ound Storag			
5)	Proposed	Target :	Formation	(s):B	37 Big Injun			_	
6)	Proposed	Total D	epth:2	940	feet *Ori	ginal T.D.			
7)	Approxim	ate fres	h water s	trata dept	hs: 60- 250	, T		-	
8)	Approxim	ate salt	water de	pths:	800 '			_	
9)	Approxim	ate coal	seam dep	ths:	450 '				
10)	Does lan	d contai	n coal se	ams tribut	ary to act	ive mine?	Yes/ No_X_	/	
11)	Proposed	Well Wo	rk: Plug B	ack With Wid	le Mouth Alpha	Frac Plug -	Perforate Big Ir	njun	
12)			And Fr	ac With Slic	ck Water And S	and.			
			CASIN	G AND TUBI	NG PROGRAM				
TYPE	TYPE SPECIFICATIONS FOOTAGE INTERVALS CEMENT								
		Size	Grade	Weight per ft.	For drilling	Left in well	Fill-up (cu. ft.)		
Cond	ıctor								
Fresl	n Water	8-5/8"	J55			250 '	CTS		
Coal	-								
Inter	rmediate								
Produ	ction	4-1/2"	J55			2912.41	300SX		
Tubir	ng						PA		
Line	rs.						Environ C. E.V.		
PACKI	ERS : Kin	d					JUN DESPE	Ø	
PACKERS: Kind									
				n of 0:1 -	ınd Gas Use	Only	- O1/8 O		
	Fac(s) -		_			Only	nd WPCP		
''	Plat _ WW-9 _ WW-2B _ Bond Type)								



330

4150 Belden Village Avenue N.W. / Suite 410 / Canton, Ohio 44718-2553 (216) 493-0440 Fax (216) 493-3409

WV Division of Environmental Protection Office of Oil and Gas #10 McJunkin Rd. Nitro, WV 25143 073- 836

073

L.C. Wagoner #7 Permit No. 47-103-0807 Rework Attn. Charlotte Milan

May 30, 1997

To Whom It May Concern:

Ohio L&M Co. Inc. is planning to refrac the above referenced well in the Big Injun formation by setting a wire line frac plug above the current completion zone in the Berea Sand at aprox. 2500' and then stimulating the Big Injun with a sand and slick water frac through perforations at aprox. 2000'.

A check in the amount of \$100.00 is enclosed as fee for the permit.

We do not plan to use a pit, but to flow back and swab fluids into frac tanks and then hauling to a disposal.

Ohio L&M will submit an amended completion report after the project is completed.

Sincerely,

Martin L. Miller V.P. of Operations Ohio L&M Co. Inc.

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Charles of the Gills