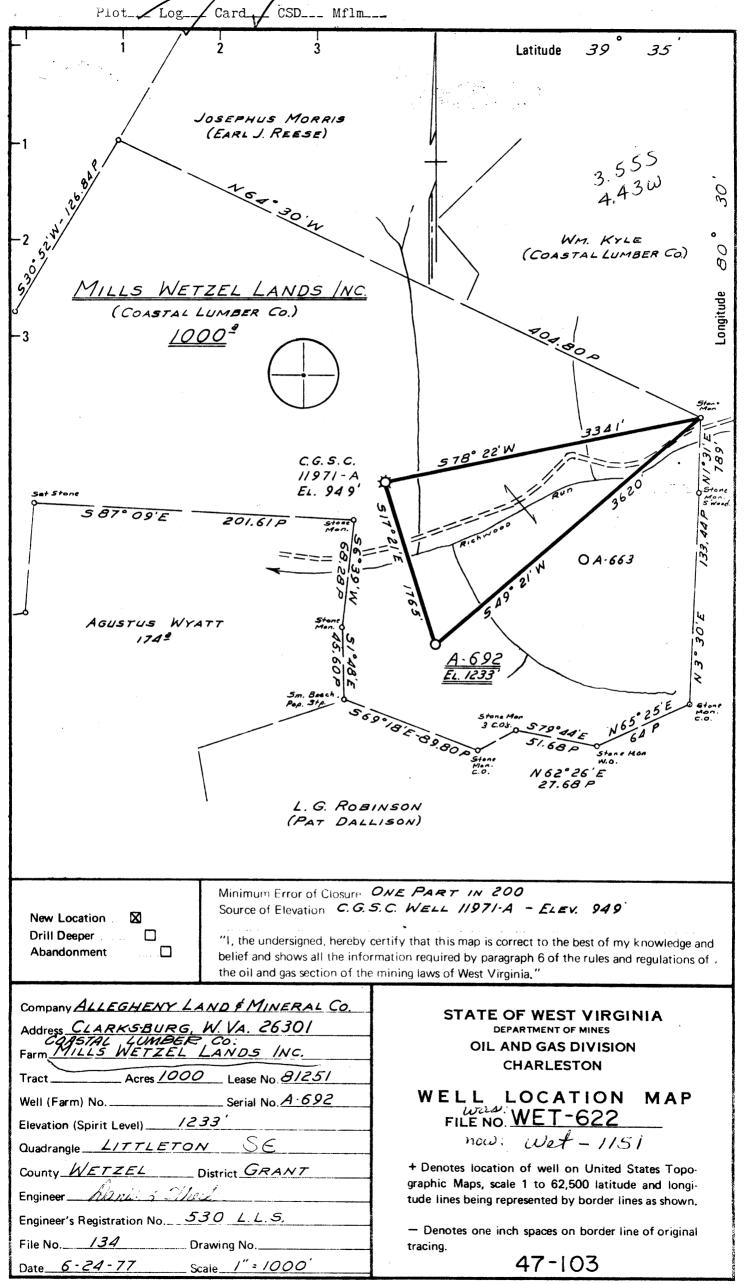
	Plot_ Log_ Card CSD/
1. @ Ro	Latitude 39 35 Latitude 39 35 WM. KYLE (COASTAL LUMBER CO) DA 663 A 690 FOR MAN A 663 OA 663 A 690 STORE MAN A 663 OA 663 OA 663 A 690 STORE MAN A 663 OA 663
New Location Drill Deeper Abandonment Source of Elevation C. C. "I, the undersigned, herely belief and shows all the in-	ONE PART IN 200 G.S.C. WELL II97I-A - ELEV. 949 by certify that this map is correct to the best of my knowledge and aformation required by paragraph 6 of the rules and regulations of the mining laws of West Virginia."
Company ALLEGHENY LAND MINERAL CO. Address CLARKSBURG, W. VA. 26301 Farm MILLS WETZEL LANDS INC. Tract Acres 1000 Lease No. 81251 Well (Farm) No. Serial No. 4.522 Elevation (Spirit Level) 1233	STATE OF WEST VIRGINIA DEPARTMENT OF MINES OIL AND GAS DIVISION CHARLESTON WELL LOCATION MAP FILE NO WET-1151
Ouadrangle LITTLETON County WETZEL District GRANT Engineer Augus 5 Engineer's Registration No. 530 & L.S. File No. 134 Drawing No.	+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500 latitude and longitude lines being represented by border lines as shown. - Denotes one inch spaces on border line of original tracing.
G= 6-24-77 Scale 1": 1000"	47-103 NOV 21 1978

t-12206 i





STATE OF WEST VIRGINIA DEPARTMENT OF MINES

Oil and Gas Division

WELL RECORD

Quadrangle LITTLETON

Rotaryx_	Oil Orac
Cable	GasX
Recycling	Comb. x
Water Flood	
Disposal	(Kind)

Permit No. MET-1151				water Floo Disposal	Storage		
					(K)nc	17	ı
Company Allagheny Land & Mine Address Box 1740, Clarksburg,	ral Co.	Casing and Tubing	Used in Drilling	Left in Well	Cement fill to Cu. ft. (Sks	•	
Form Mills-Wetzel Ac	res 1000	- Tuonig	2		(2.2		
Location (waters) Richwood Run		Size					
Well No. A-692 Ele	v.1233'	20-16					•
District Grant County Wet	zel	Cond.					_
The surface of tract is owned in fee by		12/12/1-3/4"	3031	3031	Cemented	to	suri
Costal Lumber Company		9 5/8				Ħ	. 14
Address Box 8, Dailey, WV 2625	<u> </u>	8 5/8	1111'	1111	11	***	PI,
Mineral rights are owned by Mills-Wetz	el Lands	7					
Mineral rights are owned by Mills-Wetz DELISTON Bank & Trust Address Crawfords ville	Ind	5 1/2			1		
Drilling Commenced November 7.	1978	4 1/2	35351	3535	- 11	18	2800
Drilling Completed November 27.	1978	3			1		
Initial open flow cu. ft	bbls.	2			1		
Final production cu. ft. per day		Liners Used]		
Well openins. before test						-	
Well treatment details:		Attach copy of o	ementing reco	rd.			
Well was frac	tuned Dece				ton		
Final test:	Open flow	-(98 MCF)	(011	1			-
Final cest.	Pools Pros	sure - 740#	85 09 -			·	-
	ROCK Fres	301-8 - 1401	70 44	17			
							- -
	NO 101 -						
Coal was encountered at 618-191; 10	130-49 Feet.		inches	S . C •	En ad		
Fresh waterFe	et	Salt V	water W ZUZ	2102	Feet -3200! · 3	lilio	-1.81
Producing Sand 4th, 5th, Bayard		Depth	I TITE-HE.	· 2276	-)200 , _		- + °
Formation Color Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or	Water	* Remarks		
Sand	0	48		· · · · · · · · · · · · · · · · · · ·			•
Open Hole	48	51					
Sand & Shale	51	618				44"	t . ·
COAL ****	618	619	Coal ***	H+4+			

Formation Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water * Remarks
Sand		. 0	48 51	
Open Hole		48 51	51	
Sand & Shale		51	618	
COAL ****		618	619	Coal *****
Sand & Shale		619	1038	
COAL ****		1036	1049	Coal *****
Sand & Shale		1049	2286	
Big Lime		2286	2334	Perforations:
Injun Sand		2334	2398	
Sand & Shale		2398	2458	3130 - 3142' - 12 holes
Pocono Sand		2458	2488	3196 - 3200' - 4 "
Sand & Shale		2488	3112	3446 - 3451' - 15 "
4th Sand		3112	3142	
Sand & Shale		3142	3192	
5th Sand		3192	3200	المرائي المرائي
Sand & Shale		3200	3346	
Sand		3346	3352	
Sand & Shale		3352	3440	1 <i>101</i>
Bayard Sand		3440	3448	JIIN 3 1079
Sand & Shale		3448	3606	1379
	To	tal depth	3606	(Driller)
		-	_	
			•54, * 1	DEPT. OF MINES
, 3	106 EXP			THE STATE OF THE S
3	VOV. E II A	4 F7. (ove		i comment

^{*} Indicates Electric Log tops in the remarks section.

ALLEGHENY LAND AND MINERAL CO.



OL & GAS DIVISION OF MINES

Under lease or grant dated the 2nd day of August, 1971, by Mills Wetzel Lands, Inc., unto Consolidated Gas Supply Corporation.

This lease was recorded on the 19th day of November, 1971, in Deed or Lease Book 52A, at Page 421, in the office of the County Clerk of Wetzel County, West Virginia.

Allegheny Land and Mineral Company is vested with the drilling rights of this lease by virtue of an agreement dated the 6th day of May, 1977, granted by Consolidated Gas Supply Corporation.

ALLEGHENY LAND AND MINERAL CO.



OIL & COLOR ON DELTA OF LIRES

Under lease or grant dated the 2nd day of August, 1971, by Mills Wetzel Lands, Inc., unto Consolidated Gas Supply Corporation, this lease was recorded on the 19th day of November, 1971, in Deed or Lease Book 52A at Page 421, in the office of the County Clerk of Wetzel County, West Virginia.

Allegheny Land and Mineral Company is vested with the drilling rights under this lease by virtue of an agreement dated the 6th day of May, 1977, granted by Consolidated Gas Supply Corporation.



STATE OF WEST VIRGINIA DEPARTMENT OF MINES





Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

TO THE DEPARTMENT OF MINES,	
Charleston, W. Va.	DATE July 1st, 1977
Surface Owner Coastal Lumber Company	Company Allegheny Land & Mineral Company
Address Box 8, Dailey, WV 26259	Address P. O. Box 1740, Clarksburg, W 26301
Mineral Owner Mills Wetzel Lands c/o Elston	Farm Mills Wetzel Land, Inc. 1000 Richwood Run - Fishing Creek
Address Bank & Trust, Crawfordsville, Ind.	Location (waters) to Ohio River
Coal Owner Same	Well No. A-692 Elevation 1233
Address	District Grant County Wetzel
Coal Operator None	Quadrangle Littleton
Address	
THIS PERMIT MUST BE POSTED AT THE WELL SITE	
All provisions being in accordance with Chapter 22, of the W. Va. Code, the location is hereby approved	• • • • • • • • • • • • • • • • • • •
for <u>drilling</u> . This permit shall expire if	
operations have not commenced by 11-6-77	
Hotel horse	
Deputy Director - Oil & Gas Division INSPECT	OR TO BE NOTIFIED Phillip Tracy
GENTLEMEN: PH: 75	8-4573 ADDRESS Middlebourn, W. Va.
	above named farm or tract of land for oil and gas, having fee
title thereto, (or as the case may be) under grant or lease date	
	and recorded on the day of
19 in County, Book	Page
XX NEW WELLDRILL DEEPER	REDRILLFRACTURE OR STIMULATE
OIL AND GAS WELL ORIGINALLY DRILLED	BEFORE JUNE 5, 1969.
The analysis also are surely by a section of a section of	15
The enclosed plat was prepared by a registered engineer or have been notified as of the above date.	incensed land surveyor and all coal owners and/or operators
The above named coal owners and/or operator are hereby no	otified that any objection they wish to make, or are required
to make by Section 3 of the Code, must be received by, or file	
Copies of this notice and the enclosed plat were mailed by r	egistered mail, or delivered to the above named coal operators
or coal owners at their above shown respective addresssame day with the mailing or delivery of this copy to the Depa	daybefore, or on the
	<u> </u>
PLEASE SUBMIT COPIES OF ALL	ery truly yours, ALLECHENY LAND AND MINERAL COMPAN
GEOPHYSICAL LOGS DIRECTLY TO:	Sign Name) By Well Operator Well Operator
West Virginia Geological and Economic Survey	Land, Lease and Right of Way
P. O. Box 879 Address	P. O. Box 1740 Street
Morgantown, W. Va. 26505	
Well Operat	Clarksburg, City or Town
	West Virginia 26301 State
	₩ IBIG

*SECTION 3.... If no objections are filed or found by the Department of mines, within said period of ten days from the receipt—of notice and plat by the department of mines, to said proposed location, the department shall forthwith issue to the well operator a permit reciting the filing of such plat, that no objections have been made by the coal operators or found thereto by the department and that the same is approved and the well operator authorized to proceed.

BLANKET BOND

WET-622 PERMIT NUMBI

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

PROPOSED WORK ORDER TO_	XX DRILL	DEEPEN FRACTURE-STIMULATE				
DRILLING CONTRACTOR: (If K	.nown)	RESPONSIBLE AGENT:				
NAME Union Drilling,	Inc.	NAME Allegheny Land & Mineral Company ADDRESS P. O. Box 1740, Clarksburg, WV 26303				
ADDRESS Drawer 40, Buckha	annon, WV 26201					
TELEPHONE472-4610			23-6671			
ESTIMATED DEPTH OF COMPLE	TED WELL: 2400*	ROTARY XX	_ CABLE TOOLS			
PROPOSED GEOLOGICAL FORMA						
TYPE OF WELL: OIL		MR STOPAC	IF DISDOCAT			
01 <u>1</u>			LOOD OTHER			
	RECICEN	WAIER F	LOODOTHER			
TENTATIVE CASING PROGRAM:						
CASING AND TUBING SIZE	USED FOR DRILLING	LEFT IN WELL	CEMENT FILL UP OR SACKS - CUBIC FT.			
20 - 16	20'	20 •	Cement to surface			
13 - 10						
9 - 5/8						
8 - 5/8	975'	975	· Cement to surface			
7						
5 ½			Cement to 300 above			
4 ½	2400	2400	producing horizon			
3	7		Perf. Top			
2			Perf. Bottom			
Liners			Perf. Top			
			Perf. Bottom			
OF PLAT. TO DRILL DEEPER OR REDRILL SUBMIT FIVE (5) COPIES OF WELLS DRILLED PRIOR TO MUST ALSO BE SUBMITTED TO FRACTURE - STIMULATE: OIL AND/OR GAS WELL ORI BOND, PERMANENT PLAT A OIL AND/OR GAS WELL ORI ING ORIGINAL PERMIT NUM	: F OG - 1, SHOWING ORIGINATED PERMANENT CO GINALLY DRILLED BEFORAND ORIGINAL WELL REC GINALLY DRILLED ON AN BER, AND PERFORMANCE	NAL PERMIT NUMBER A PPY OF THE PLAT AND REJUNE 5, 1929, FIVE (5 ORD. ID/OR AFTER JUNE 5, 19 BOND.	AND PERFORMANCE BOND. ON THE ORIGINAL WELL RECORD O COPIES OG - 1, PERFORMANCE 929, FIVE COPIES OG - 1, SHOW-			
Required forms must be filed four (24) hours in advance.	within ninety (90) days of co	ompletion (r. Inspector to be notified twenty-			
	•					
The following waiver must be thereof.	completed by the coal oper	rator if the permit is to b	e issued within ten days of receipt			
	for	0.10				
WAIVER: I the undersigned, Agent						
	and place on our mine ma					
			well being drilled at this location, d 7, Chapter 22 of the West Virginia			
			For Coal Company			

Official Title





DEPARTMENT OF MINES

OIL & GAS DIVISION T. OF MINES

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

THE DEPA		VIINES.									
Charles	ston, W. Va.	•				0-+-	L 27	1070			
	Coastal 1	Lumber	Compan	y	DATE	ALLE	ber 27 GHENY	LAND A	ND MIN	ERAL	COMPAI
	Dailey, V	WV 2	6259				. Draw ksburg			nia	
Address	Mills Wei	tzel I	ands		Address						
lineral Owner	c/o Elsto	on Bar	ik & Tru	st	Farm VII	TTS M	etzel Richwoo	od Run	ofes F1	shing	Creel
Address	Crawford		•		Location	(waters)	to Ohio	o Rive	<u>r</u>		
oal Owner	Mills Wet C/O Elsto Crawford	czel I on Ban	ands K & Tru	st	Well No.	_			Elevation		
.ddress		SVIIIE	, IND		District	Gran			_County	Wetz	er.
Coal Operator	None				Quadrang	le Llt	tleton				
Address			**************************************								
THIS PERMIT MI	UST BE POSTE	D AT TI	HE WELL SIT	E							
All provisions be	eing in accorda	ance with	Chapter 22	2,							
of the W. Va. C	Code, the locati	ion is her	by approve	d IN	SPECTOR						
or <u>drill</u>	ing . Th	is permit	shall expire	if TO	BE NOTI	FIED _		ip Lee			
perations have r	not commenced	by 3	-1-79	· AD	DRESS			Box 1 ebourn		2614	
	norse			. AD	DIGEOU		MIGGI	ebourn	, ",	2017	<u>- </u>
	or - Oil & Gas	<u>/</u>	*****	PH	ONE 758	-4573					
	or - On a Gas	DIAISION									
The undersigned									_		
tle thereto, (or	as the case ma	y be) un	der grant or	lease da	ted See	attac	hed	19 b	у		
The undersigned the thereto, (or a	as the case ma made to	y be) un	der grant or	lease da	ted See	attac recorded	hed on the _	19 b	у		
The undersigned the thereto, (or a	as the case ma made to	y be) un	der grant or	lease da	ted See	attac recorded	hed on the _	19 b	у		
The undersigned le thereto, (or a le le thereto, (or a le	as the case ma	y be) un County	der grant or	lease da	ted See and Page	attac recorded	hed on the	19 by	y day of		
The undersigned le thereto, (or a le le thereto, XX NEV	as the case ma made to www.	y be) un County	der grant or , Book	lease da	ted See and Page REI	attac	hed on the	19 by	y day of		
The undersigned le thereto, (or a le thereto, (or a le thereto) with the control of the control	as the case ma made to W WELL AND GAS WE	y be) un County DF	der grant or , Book	lease da	ted See and Page REI BEFORE J	attac recorded DRILL _ UNE 5,	n the	19 by	day of	IMULAT	E
The undersigned the thereto, (or a second se	as the case ma made to W WELL AND GAS WE	y be) un County DF CLL ORIG	der grant or , Book	lease da	ted See and Page REI BEFORE J	attac recorded DRILL _ UNE 5,	n the	19 by	day of	IMULAT	E
The undersigned le thereto, (or a le thereto, (or a le thereto). XX NEW OIL The enclosed prive been notified. The above name	wwell AND GAS WE as of the above	County County DF CLL ORIG ed by a series of the date.	, Book	RRILLED	ted See and and Page REI BEFORE J	recorded ORILL UNE 5, nd surve	on the	FRACTURI	day of E OR ST mers and/o	IMULAT	E
The undersigned the thereto, (or a second process of this in the undersigned the undersigned process of the undersigned the un	w WELL AND GAS WE lat was prepared as of the above and the Coordinate and the contice and the	County County DF CLL ORIC ed by a serve date. s and/or code, must enclosed	der grant or , Book till DEEPE GINALLY Director are operator are be received be	RRILLED gineer or hereby no	ted SEE and Page REI BEFORE J licensed la otified that ed with the	necorded ORILL _ UNE 5, Ind surve any objection Departmail, or de	on the	FRACTURI coal own wish to mes within the above r	day of E OR ST mers and/o make, or a ten (10)	IMULAT r operato re requir days. *	E ors
The undersigned the thereto, (or a second the thereto, (or a second the two parts of the two parts of the above named to the two parts of the	wwELL AND GAS WE lat was prepared as of the above on 3 of the Coordice and the their above st	County CLL ORIGHT To ded by a serve date. To and/or or de, must enclosed nown respective.	der grant or , Book BILL DEEPE GINALLY Director are be received be plat were madective addre	RRILLED gineer or hereby no	ted SEE and Page REI BEFORE J licensed la otified that ed with the egistered m	necorded ORILL _ UNE 5, Ind surve any objection Departm ail, or de	on the	FRACTURI I coal own wish to mes within	day of E OR ST make, or a ten (10) on te	IMULAT r operate re requir days. *	E ors
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The undersigned le thereto, (or a le thereto, (o	w WELL AND GAS WE as of the above on 3 of the Coonotice and the their above she mailing or del	County CLL ORIGINATION OF THE PROPERTY OF THE	der grant or , Book BILL DEEPE GINALLY Director are be received be plat were madective addre	RRILLED gineer or hereby no by, or file diled by r ss the Depa	and Page REI BEFORE J licensed la otified that ed with the egistered m	orecorded ORILL UNE 5, Ind surve any objection Departm ail, or de Mines at	on the	FRACTURI I coal own wish to mes within the above r	day of E OR ST make, or a ten (10) mamed cos before, ginia.	r operator re required ays. * al operator on the contract of t	E ors ed ors he
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The undersigned le thereto, (or a le thereto, (o	wwell as the case ma made to made to well and as of the above and the their above she mailing or del	County CLL ORIG ed by a serve date. s and/or of de, must enclosed nown resplayery of servery of	der grant or , Book BILL DEEPE GINALLY Director are be received be plat were madective addre	RRILLED gineer or hereby no by, or file hiled by r ssthe Depa	and Page REI BEFORE J licensed la otified that ed with the egistered martment of la ery truly y Sign Name Sign Name	DRILL	on the	FRACTURI I coal own wish to m nes within the above r West Virg	day of E OR ST make, or a ten (10) mamed cos before, ginia.	r operator re required ays. * al operator on the contract of t	E ors ed ors he
The undersigned le thereto, (or a le thereto, (o	wwell as the case ma made to wwell a and to well as of the above and their above she mailing or del contice and the fermiling or del contic	County CLL ORIG ed by a serve date. s and/or of de, must enclosed nown resplayery of servery of	der grant or , Book BILL DEEPE GINALLY Director are be received be plat were madective addre	R RILLED gineer or hereby no by, or file diled by r ss the Depa	and Page REI BEFORE J licensed la otified that ed with the egistered martment of la ery truly y Sign Name Sign Name	DRILL	on the	FRACTURI I coal own wish to mes within the above r West Virg	day of E OR ST make, or a ten (10) mamed cos before, ginia.	r operator re required ays. * al operator on the contract of t	E ors ed ors ne
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The undersigned le thereto, (or a le thereto, (o	wwell as the case ma made to wwell as of the above and the contice and the their above she mailing or del cool of the cool	County CLL ORIGINATION OF THE PROPERTY OF THE	der grant or , Book till DEEPE GINALLY Director are be received by the plat were made this copy to	R RILLED gineer or hereby no by, or file diled by r ss the Depa	and Page REI BEFORE J licensed la otified that ed with the egistered m rethrent of l Yery truly y Sign Name Sign Name	P. O.	on the	FRACTURI I coal own wish to m es within the above m West Virg	day of E OR ST make, or a ten (10) mamed cos before, ginia.	r operator re required ays. * al operator on the contract of t	E ors ed ors he
The undersigned le thereto, (or a le thereto, (o	wwell as the case ma made to wwell as of the above and the contice and the their above she mailing or del cool of the cool	County CLL ORIGINATION OF THE PROPERTY OF THE	der grant or , Book till DEEPE GINALLY Director are be received by the plat were made this copy to	R RILLED gineer or hereby no by, or file diled by r ss the Depa	and Page REI BEFORE J licensed la otified that ed with the egistered m rethrent of l Yery truly y Sign Name Sign Name	attacerecorded ORILL UNE 5, Ind surve any objection All Common ail, or de Mines at the common ail, or de Common ail, or	on the	FRACTURI I coal own wish to m nes within the above m West Virg	day of E OR ST make, or a ten (10) mamed cos before, ginia.	r operator re required ays. * al operator on the contract of t	E ed ors

*SECTION 3.... If no objections are filed or found by the Department of mines, within said period of ten days from the receipt of notice and plat by the department of mines, to said proposed location, the department shall forthwith issue to the well operator a permit reciting the filing of such plat, that no objections have been made by the coal operators or found thereto by the department and that the same is approved and the well operator authorized to proceed.

Formerly WET-622

RIANKET BOILD

WET-1151 PERMIT NUMBER 47-103

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

PROPOSED WORK ORDER TO			FRACTURE-STIMULATE
DRILLING CONTRACTOR: (If	•	RESPONSIBLE AGEI	
NAME		NAME Allegher	ny Land & Mineral Compa rawer 1740
ADDRESS		ADDRES Clark sbu	irg, West Virginia 263
TELEPHONE	en para nama na campa na manga	TELEPHONE 304	623-6671
ESTIMATED DEPTH OF COMPLE	ETED WELL: 2400!		CABLE TOOLS
PROPOSED GEOLOGICAL FORM	IATION: Bayard		
TYPE OF WELL: OIL	GAS XX	COMR STORA	CE DIOPOGA
			GE DISPOSAL
	RECYCL	ING WATER F	LOOD OTHER
TENTATIVE CASING PROGRAM		•	•
TENTATIVE CASING PROGRAM	:		
CASING AND TUBING	USED FOR	I Mary 18	
SIZF	DRILLING	LEFT IN WELL	CEMENT FHILUP OR SACKS - CUBIC FT.
20 - 16	20'	20'	cement to surface
13 - 10			The state of the s
9 - 5/8	and the same of th	The second secon	
8 - 5/8	975'	975'	cement to surface
7	Company and the Company of the Compa		ocment to saliace
5 1/2	The following and the company of the		2001
4 ½	2400	2400	cement to 300' above
3	The second secon		producing horizon
2			Perf. Top Perf. Bottom
Liners		10 g/10 de € €	Perf. Top
			Perf. Bottom
			- John Bottom
MUST ALSO BE SUBMITTED TO FRACTURE - STIMULATE: OIL AND/OR GAS WELL ORI BOND, PERMANENT PLAT A OIL AND/OR GAS WELL ORI ING ORIGINAL PERMIT NUMI Required forms must be filed to	F OG - 1, SHOWING ORIGION 1929, A PERMANENT CONTROL OF THE PROPERTY OF THE PRO	DPY OF THE PLAT AND REJUNE 5, 1929, FIVE (5) CORD. ND/OR AFTER JUNE 5, 19 BOND.	AND PERFORMANCE BOND. ON THE ORIGINAL WELL RECORD COPIES OG - 1, PERFORMANCE 29, FIVE COPIES OG - 1, SHOW- Inspector to be notified twenty-
four (24) hours in advance.			
			The second secon
#4.5			
The following waiver must be nereof.	completed by the coal oper	rator if the permit is to be	issued within ten days of receipt
AIVER: I the undersigned, Agent	for	Coal Company, Owne	er or Operator of the coal under
this lease have examined	and place on our mine ma	ps this proposed well loca	tion.
We the	Coal Company h	have no objections to said v	well being drilled at this target.
providing operator has con Code.	nplied with all rules and regu	lations in Articles 4, 5, and	7, Chapter 22 of the West Virginia
			or Coal Company
		-	
•			Official Title