

11401 WESTATOTO



STATE OF WEST VIRGINIA DEPARTMENT OF MINES

Oil and Gas Division

WELL RECORD

Quadrangle Cedar Grove
Permit No. 47-039-3631

Rotary X Oil

Cable Gas X

Recycling Comb.

Water Flood Storage

Disposal

Permit No. 47-039-3631				Disposal		(Kind)
Company Columbia Gas Trans. Cor Address P.O.Box 610 Clendenin,W Farm Kanswha&Hocking Coal&Coke Ac	A	Casing and Tubing	Used in Drilling	Left in Well	Cement Cu. ft.	fill up (Sks.)
Location (waters) <u>Witcher Creek</u> Well No. 20349 Ele	ev_1407.92	Size 20-16			e e deligiorimazionemento e e en en	
District Cabin Creek County Ka	nawiia .	Cond. 13-168' 3/8"	656	656	450	sks.
The surface of tract is owned in fee by <u>Ka</u>	nawna e	9 5/8	2670	2670		sks.
Hocking Coal & Coke	land. Oh.	8 5/8	20.5		1 .	
Address 700 Westgate Tower, Cleve	Idia, Var	7	5695	3114	200	sks.
Mineral rights are owned by Same		5 1/2	3033	J. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	1	
AddressA of 125 (20)		4 1/2	7207	7207	120	sks.
Drilling Commenced 10/25/80		2	1201	7201	1	C **** *
Drilling Completed 11/16/80	^	3			- Company	
Initial open flow 764,000 cu. ft.	bbls.	Liners Used			1	
Final production 2.647,000cu. ft. per day_		Phicis Osca				
Well open 6 hrs. before test. Well treatment details: Matrix Acid (Dowell MSR Acid) cross-linked gel, 250 bbl pac 60,000# 20/40 Sand) 2000 gal. d - total flu	id 915 bbls.	up then f	ractured 80/100	Sand	
		7184-7h.	<u> 4 Kin 700</u>	193		
100		-7/63-7h,				
And was cure autorited as					Foot	
Fresh water 200 F	eet	Salt Water Feet				
Producing Sand Clinton		Depti	h	1110		
Formation Color Hard or Soft	Top Feet	Bottom Feet	Oil, Gas o	or Water	* Remar	ks
Clay Sand	0	15 182				

Clay 0 15 Sand 15 182 Coal 188 334 Water 200' Sand 188 334 339 Sand 339 397 410 Sand 410 419 Coal 419 431 Sand 431 1055 Open Mine 616' Sand & Shale 1055 1153 Salt Sand 1153 1584 Sand & Shale 1584 1710	i			
Coal 182 188 Sand 188 334 Coal 334 339 Sand 339 397 Coal 397 410 Sand 410 419 Coal 419 431 Sand & Shale 1055 1153 Salt Sand 1153 1584 Sand & Shale 1584 1710	_		X .	
Sand 188 334 Water 200' Coal 334 339 Sand 339 397 Coal 397 410 Sand 410 419 Coal 419 431 Sand 431 1055 Sand & Shale 1055 1153 Salt Sand 1153 1584 Sand & Shale 1710				
Coal 334 339 Sand 339 397 Coal 397 410 Sand 410 419 Coal 419 431 Sand 431 1055 Sand & Shale 1055 1153 Salt Sand 1153 1584 Sand & Shale 1584 1710	•		4	
Sand 339 397 Coal 397 410 Sand 410 419 Coal 419 431 Sand & Shale 1055 1153 Salt Sand 1153 1584 Sand & Shale 1584 1710	and		¥	Water 200'
Coal 397 410 Sand 410 419 Coal 419 431 Sand & Shale 1055 1153 Salt Sand 1153 1584 Sand & Shale 1584 1710	coal		i e	
Sand 410 419 Coal 419 431 Sand 431 1055 Sand & Shale 1055 1153 Salt Sand 1153 1584 Sand & Shale 1584 1710	and	339	1	
Coal 419 431 Sand 431 1055 Sand & Shale 1055 1153 Sand & Shale 1584 1710	bal	397	410	·
Coal 419 431 Sand 431 1055 Sand & Shale 1055 1153 Sand & Shale 1584 1710	and	410	419	
Sand 431 1055 Open Mine 616' Sand & Shale 1055 1153 Salt Sand 1153 1584 Sand & Shale 1584 1710	8	419	431	Takahan saya
Salt Sand 1153 1584 Sand & Shale 1584 1710	1		1055	Open Mine 616'
Sand & Shale 1584 1710	Sand & Shale	1055	1153	•
	Salt Sand	1153	1584	
	Sand & Shale	1584	1710	
Maxon 1710 1793 2) \\Y/ \\\	faxon	1710	1793	EILW III
Sand & Shale 1793 1918	Sand & Shale	1793	1918	
Little Lime 1918 1958	Little Lime	1918	1958	المناه ال
Shale & Red Rock 1958 1986 - 1981		1958	1986	-4.3 LIN - 5 1981
Big Lime 1986 2175	· · · · · · · · · · · · · · · · · · ·	1986	2175	1014 - 5 150
7n1m 2175 2248	_	2175	2248	
Shale 2248 2307 OIL & GAS DIVISION		2248	2307	OIL & GAS DIVISION
Weir Sand 2307 2449 FPT DF MINI		2307	2449	DEPT. OF MINE
Shale 2449 2606		2449	2606	
Coffee Shale 2606 2626	the contract of the contract o	2606	2626	
Berea Sand 2626 2636		2626	2636	

(0**ve**t)

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

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water * Remarks
Shale Onondaga Sand Shale Lime Shale Clinton	Lime		2636 5526 5630 6466 6996 7005 7115	5526 5630 6466 6996 7005 7115 7176 Tusso	arora
			se diozenium	Logita	
				TITTE	
		•			
		· ·			
\$1.00 m					
No.		en de la companya de La companya de la co			
				raction or a second property of the second pr	
				adjulare editionalis	
				e@mocgorage	
			1	and the second s	
			•	Side of the state	
				Boundary Committee Committ	
					serven Vitan
					enter De la completa
				epitera established	er de la companya de La companya de la co
				:	The Control of the Co
	Anna 1980				

Date	Paril 7	_ , 19
APPROVED AS	ahan)	, Owr
	J' Mer.	•
Ву	(Title)	

FREASE SUBMIT COPIES OF ALL GEOFHYSICAL LOGS DIRECTLY TO:

T VIRGINIA OIL AND GAS

CONSERVATION COMMISSION 1615 WASHINGTON STREET EAST

TELEPHONE: (304) 348-3592

Charleston, West Virginia.

MAY 1 8 1979

OIL & GAS DIVISION DEPT. OF MINES COLUMBIA GAS TRANSMISSION CORPORATION Well

oration & Development

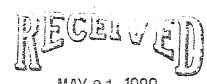
PROPOSED WORK ORDER

ACTUAL INFORMATION MUST BE SUBMITTED ON FORM IV-35 UPON COMPLETION

DRILLING CON	ITRACTO	R (IF	KNOWN)	RAY R	ESOURCES CO	RPORATTON		1	ŧ	•
					630 Comme		1		1	
	e	•			Charlesto					
GEOLOGICAL T	ARCET	FORMATI	TON	Tuscaro	r a				•	,
_						64	Rotary_	v		,
Approxi	mate w	ater s	trata d	enths: F	- daari	foot	salt,	<u>A</u> /	Cable tools	
Approxi	mate c	oal se	am dept	hs:		_ reet; Is coal her	ng mined in t	he ama	· · · · · · · · · · · · · · · · · · ·	
CASING AND T	,						ing milled fill (ile orea	. 168	/ HO
CASING OR	II ODING		M IFICATI	ONG	II FOOT	GE INTERVAL	.		.,	
TUBING TYPE	Size	8	:Weicht	8 9	11		S CEMENT OR S well (Cubic		PA	CKERS
Conductor		Line		Х	60'		To sur		Kinds	
Fresh water	13-3/8	H-40	48	Х .	650'		To sur		·	
Coal	9-5/8	H-40	32.3	X	2650'		To sur	face	Sizes	
Intermediate	7"	N-80	23	X	56741.					
Production	4-1/2	C-75	13.5	X	7140	-			Depths set	
Tubing					J					
Liners						·			Perforatio	ns:
						· · · · · · · · · · · · · · · · · · ·			тор	Botton.
										•
				1						
the co 200 fc where is not	nsent et of A. fractus ed as	requir the pr separa ring o such o	ed by Coposed te Form r stimu n the F	wer wert, ode § 22- werr. Versions is corm 1V-2	the jee rec 4-8a from t all not be r to be part filed in co	nuired by Control of equired for	2b and Regular of 22-4-120 any water we fracturing of fracturing of for which a serewith.	i, and I llor d	(n) if applivelling wit	idatie, him
THIS PERMIT	MUST	BE PO	STED AT	THE WELL	SITE					
All provisions of the W. Vo	hair	in accor the loc	rdance v ation is f	vith Chapte vereby appi	r 22, oved					
operations hav	e not co	mmence	inis pern	nit shall exp 2-4-80	oire if					
Delet :	o fle	7		nust be a	ompleted by	the coal of	pératur and by	any c	val owner	
is	to be	issued	l withir	t fifteen	(15) days c	. 4	thereof:	/, ZJ	ic permit	· ·
well location the work prop	, the	well l	ocation	thas been this loca	added to t	he mine mar	lessee / cmap exists whith the control of the undersell operator from the control operator from	lõh dave signed h	ers the area	a of the
e e						e e				
te:			10		-	**	,		· · · · · · · · · · · · · · · · · · ·	Ç.
		· · · · · · · · ·	77							
						Ву				
						Its	*			



DEPARTMENT OF MINES



Oil and Gas Division

MAY 21 1980

OIL AND GAS WELL PERMIT APPLICATION OF MINES

	TO THE DEPARTMENT OF MINES,	· · · · · · · · · · · · · · · · · · ·
	. Charleston, W. Vs.	DATE May 6, 1980
	Surface Owner Kanawha & Hocking Coa	al & Coke
		eland, OHAddress P. O. Box 1273, Charleston, W
	Mineral Owner Same as above	Farm Kanawha & Hocking Coal & Coke
	Address	Location (waters) Witcher Creek
	Coal Owner Same as above	Well No. 20349 Elevation 1407.9
		District Cabin Creek County Kanaw
	Coal Operator Valley Camp Coal Co.	
	Address 2971 Dupont Ave., Shrewsbu	
ERM	IT MUST BE POSTED AT THE WELL SITE	·
•	being in accordance with Chapter 22,	
. V.	Va. Code, the location is hereby approved	THEREOFOR
dr	illing . This permit shall expire if	INSPECTOR TO BE NOTIFIED Martin Nichols
ions	ye not commenced by 2-5-81	ADDRESS P. O. Box 554, Clendenin, WV
	7 40	
rpuh	Director - Oil & Gas Division	PHONE 548-6993
r	GENTLEMEN:	
	•	Il upon the above named farm or tract of land for oil and gas, having fee
		or lease dated $\frac{4/24}{19-12}$ by
	Color of the case may be under grant !	and recorded on the day of
	19 in Kanawha County, Book	and recorded on the day of
	- ·	5
	X NEW WELLDRILL DEED	PERREDRILLFRACTURE OR STIMULATE
	OIT AND CAS WELL ODICINALLY	
	THE TANK OF THE CAUTIVALLE	DRILLED BEFORE JUNE 5, 1969.
		DRILLED BEFORE JUNE 5, 1969.
	The enclosed plat was prepared by a registered e	DRILLED BEFORE JUNE 5, 1969. engineer or licensed land surveyor and all coal owners and/or operators
	The enclosed plat was prepared by a registered as a been notified as of the above date.	DRILLED BEFORE JUNE 5, 1969. engineer or licensed land surveyor and all coal owners and/or operators
	The enclosed plat was prepared by a registered elawe been notified as of the above date. The above named coal owners and/or operator ar	DRILLED BEFORE JUNE 5, 1969. engineer or licensed land surveyor and all coal owners and/or operators re hereby notified that any objection they wish to make, or are required
	The enclosed plat was prepared by a registered chave been notified as of the above date. The above named coal owners and/or operator ar to make by Section 3 of the Code, must be received.	DRILLED BEFORE JUNE 5, 1969. engineer or licensed land surveyor and all coal owners and/or operators re hereby notified that any objection they wish to make, or are required d by, or filed with the Department of Mines within ten (10) days.
	The enclosed plat was prepared by a registered of have been notified as of the above date. The above named coal owners and/or operator ar to make by Section 3 of the Code, must be received. Copies of this notice and the enclosed plat were a	DRILLED BEFORE JUNE 5, 1969. engineer or licensed land surveyor and all coal owners and/or operators re hereby notified that any objection they wish to make, or are required d by, or filed with the Department of Mines within ten (10) days. mailed by registered mail, or delivered to the above named coal operators
	The enclosed plat was prepared by a registered of have been notified as of the above date. The above named coal owners and/or operator ar to make by Section 3 of the Code, must be received. Copies of this notice and the enclosed plat were not coal owners at their above shown respective add	DRILLED BEFORE JUNE 5, 1969. engineer or licensed land surveyor and all coal owners and/or operators re hereby notified that any objection they wish to make, or are required d by, or filed with the Department of Mines within ten (10) days.
	The enclosed plat was prepared by a registered of have been notified as of the above date. The above named coal owners and/or operator ar to make by Section 3 of the Code, must be received. Copies of this notice and the enclosed plat were not coal owners at their above shown respective add	engineer or licensed land surveyor and all coal owners and/or operators re hereby notified that any objection they wish to make, or are required d by, or filed with the Department of Mines within ten (10) days. * mailed by registered mail, or delivered to the above named coal operators dress
	The enclosed plat was prepared by a registered of have been notified as of the above date. The above named coal owners and/or operator ar to make by Section 3 of the Code, must be received. Copies of this notice and the enclosed plat were not coal owners at their above shown respective add	engineer or licensed land surveyor and all coal owners and/or operators re hereby notified that any objection they wish to make, or are required d by, or filed with the Department of Mines within ten (10) days. mailed by registered mail, or delivered to the above named coal operators dress
	The enclosed plat was prepared by a registered of have been notified as of the above date. The above named coal owners and/or operator ar to make by Section 3 of the Code, must be received. Copies of this notice and the enclosed plat were to coal owners at their above shown respective add same day with the mailing or delivery of this copy to	engineer or licensed land surveyor and all coal owners and/or operators re hereby notified that any objection they wish to make, or are required d by, or filed with the Department of Mines within ten (10) days. mailed by registered mail, or delivered to the above named coal operators dress
	The enclosed plat was prepared by a registered abave been notified as of the above date. The above named coal owners and/or operator ar to make by Section 3 of the Code, must be received. Copies of this notice and the enclosed plat were record or coal owners at their above shown respective add same day with the mailing or delivery of this copy to the property of the copy to the copy to the copy to the copy is the copy is considered. Logs directly to:	engineer or licensed land surveyor and all coal owners and/or operators re hereby notified that any objection they wish to make, or are required d by, or filed with the Department of Mines within ten (10) daya. mailed by registered mail, or delivered to the above named coal operators dress
	The enclosed plat was prepared by a registered of have been notified as of the above date. The above named coal owners and/or operator are to make by Section 3 of the Code, must be received. Copies of this notice and the enclosed plat were as or coal owners at their above shown respective add same day with the mailing or delivery of this copy to the place of the copy to the copy of the copy to the copy is compared to the copy of the	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 by, or filed with the Department of Mines within ten (10) days. mailed by registered mail, or delivered to the above named coal operators dress
	The enclosed plat was prepared by a registered abave been notified as of the above date. The above named coal owners and/or operator are to make by Section 3 of the Code, must be received. Copies of this notice and the enclosed plat were recorded owners at their above shown respective add same day with the mailing or delivery of this copy to the property of the copy to the copy of the copy to the copy of the	engineer or licensed land surveyor and all coal owners and/or operators re hereby notified that any objection they wish to make, or are required by, or filed with the Department of Mines within ten (10) daya. mailed by registered mail, or delivered to the above named coal operators dress
	The enclosed plat was prepared by a registered abave been notified as of the above date. The above named coal owners and/or operator are to make by Section 3 of the Code, must be received. Copies of this notice and the enclosed plat were recorded owners at their above shown respective add same day with the mailing or delivery of this copy to the property of the copy to the copy of the copy to the copy of the	engineer or licensed land surveyor and all coal owners and/or operators re hereby notified that any objection they wish to make, or are required by, or filed with the Department of Mines within ten (10) days. * mailed by registered mail, or delivered to the above named coal operators dress
	The enclosed plat was prepared by a registered of have been notified as of the above date. The above named coal owners and/or operator are to make by Section 3 of the Code, must be received. Copies of this notice and the enclosed plat were to coal owners at their above shown respective add same day with the mailing or delivery of this copy to place the copy of t	engineer or licensed land surveyor and all coal owners and/or operators re hereby notified that any objection they wish to make, or are required d by, or filed with the Department of Mines within ten (10) daya. ** mailed by registered mail, or delivered to the above named coal operators dress
	The enclosed plat was prepared by a registered obave been notified as of the above date. The above named coal owners and/or operator ar to make by Section 3 of the Code, must be received Copies of this notice and the enclosed plat were or coal owners at their above shown respective add same day with the mailing or delivery of this copy to PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO: WEST VIRGINIA GEOLOGICAL AND ECONOMIC SURVEY P. O. BOX 879 MORGANTOWN, WEST VIRGINIA 26505	engineer or licensed land surveyor and all coal owners and/or operators re hereby notified that any objection they wish to make, or are required by, or filed with the Department of Mines within ten (10) days. mailed by registered mail, or delivered to the above named coal operators dress
	The enclosed plat was prepared by a registered obave been notified as of the above date. The above named coal owners and/or operator ar to make by Section 3 of the Code, must be received Copies of this notice and the enclosed plat were or coal owners at their above shown respective add same day with the mailing or delivery of this copy to PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO: WEST VIRGINIA GEOLOGICAL AND ECONOMIC SURVEY P. O. BOX 879 MORGANTOWN, WEST VIRGINIA 26505	engineer or licensed land surveyor and all coal owners and/or operators re hereby notified that any objection they wish to make, or are required d by, or filed with the Department of Mines within ten (10) daya. ** mailed by registered mail, or delivered to the above named coal operators dress
	The enclosed plat was prepared by a registered obave been notified as of the above date. The above named coal owners and/or operator ar to make by Section 3 of the Code, must be received Copies of this notice and the enclosed plat were or coal owners at their above shown respective add same day with the mailing or delivery of this copy to PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO: WEST VIRGINIA GEOLOGICAL AND ECONOMIC SURVEY P. O. BOX 879 MORGANTOWN, WEST VIRGINIA 26505	engineer or licensed land surveyor and all coal owners and/or operators re hereby notified that any objection they wish to make, or are required by, or filed with the Department of Mines within ten (10) days. mailed by registered mail, or delivered to the above named coal operators dress
	The enclosed plat was prepared by a registered abave been notified as of the above date. The above named coal owners and/or operator ar to make by Section 3 of the Code, must be received. Copies of this notice and the enclosed plat were record owners at their above shown respective add same day with the mailing or delivery of this copy to the properties of the Copy to the Copy Section 3 DIRECTLY TO: WEST VIRGINIA GEOLOGICAL AND ECONOMIC SURVEY P. O. BOX 879 MORGANTOWN, WEST VIRGINIA 26505 AC-304 - 292-6331	engineer or licensed land surveyor and all coal owners and/or operators re hereby notified that any objection they wish to make, or are required by, or filed with the Department of Mines within ten (10) days. mailed by registered mail, or delivered to the above named coal operators dress
	The enclosed plat was prepared by a registered abave been notified as of the above date. The above named coal owners and/or operator ar to make by Section 3 of the Code, must be received. Copies of this notice and the enclosed plat were record owners at their above shown respective add same day with the mailing or delivery of this copy to the copy to	engineer or licensed land surveyor and all coal owners and/or operators re hereby notified that any objection they wish to make, or are required d by, or filed with the Department of Mines within ten (10) days. mailed by registered mail, or delivered to the above named coal operators dress
	The enclosed plat was prepared by a registered abave been notified as of the above date. The above named coal owners and/or operator ar to make by Section 3 of the Code, must be received. Copies of this notice and the enclosed plat were record owners at their above shown respective add same day with the mailing or delivery of this copy to the copy to	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 do by, or filed with the Department of Mines within ten (10) days. mailed by registered mail, or delivered to the above named coal operators dress
	The enclosed plat was prepared by a registered abave been notified as of the above date. The above named coal owners and/or operator ar to make by Section 3 of the Code, must be received. Copies of this notice and the enclosed plat were record owners at their above shown respective add same day with the mailing or delivery of this copy to the copy to	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 by, or filed with the Department of Mines within ten (10) days. mailed by registered mail, or delivered to the above named coal operators dress day before, or on the to the Department of Mines at Charleston, West Virginia. Very truly your (Sign Name) Well Operator P. O. Box 1273 Address of Charleston, City or Town West Virginia 25325 State and by the Department of mines, within said period of ten days from the receipt of the department shall forthwith issue to the well operator a permit reciting the coal operators or found thereto by the department and that the same is approve (Tormerly: KAN-3411)
	The enclosed plat was prepared by a registered abave been notified as of the above date. The above named coal owners and/or operator ar to make by Section 3 of the Code, must be received. Copies of this notice and the enclosed plat were record owners at their above shown respective add same day with the mailing or delivery of this copy to the copy to	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 do by, or filed with the Department of Mines within ten (10) days. mailed by registered mail, or delivered to the above named coal operators dress
	The enclosed plat was prepared by a registered chave been notified as of the above date. The above named coal owners and/or operator ar to make by Section 3 of the Code, must be received. Copies of this notice and the enclosed plat were recorded owners at their above shown respective add same day with the mailing or delivery of this copy to the filing of such plat, that no objections are filed or four notice and plat by the department of mines, to said propose the filing of such plat, that no objections have been made by and the well operator authorized to proceed.	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 by, or filed with the Department of Mines within ten (10) days. mailed by registered mail, or delivered to the above named coal operators dress day before, or on the to the Department of Mines at Charleston, West Virginia. Very truly yours (Sign Name) Well Operator P. O. Box 1273 Address of Charleston, City or Town West Virginia 25325 State and by the Department of mines, within said period of ten days from the receipt of the coal operators or found thereto by the department and that the same is approve 038 (Formerly: KAN-3411) 47-039-3631 PERMIT NUMBER
	The enclosed plat was prepared by a registered abave been notified as of the above date. The above named coal owners and/or operator ar to make by Section 3 of the Code, must be received. Copies of this notice and the enclosed plat were record owners at their above shown respective add same day with the mailing or delivery of this copy to the copy to	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 by, or filed with the Department of Mines within ten (10) days. mailed by registered mail, or delivered to the above named coal operators dress day before, or on the to the Department of Mines at Charleston, West Virginia. Very truly yours (Sign Name) Well Operator P. O. Box 1273 Address of Charleston, City or Town West Virginia 25325 State and by the Department of mines, within said period of ten days from the receipt of the coal operators or found thereto by the department and that the same is approve 038 (Formerly: KAN-3411) 47-039-3631 PERMIT NUMBER

BLANKET BOND

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

PROPOSED WORK ORDER TO	DRILL X	DEEPEN FF	RACTURE STEMULATE
DRILLING CONTRACTOR: (If	Known)	RESPONSIBLE AGENT:	
NAME		NAME Larry Fr	
ADDRESS			ox 610, Clendenin,
TELEPHONE		TELEPHONE 965-	
ESTIMATED DEPTH OF COMPI			CABLE TOOLS
PROPOSED GEOLOGICAL FOR			
TYPE OF WELL: OIL_	GAS X CC	OMB. STORAGE	Diegorat
•	RECYCLIN	IG WATER RIO	ODOTHER
TENTATIVE CASING PROGRAM CASING AND TUBING			
SIZE	DRILLING	LEFT IN WELL.	CEMENT FILL UP OR SACKS - CUBIC FT.
20 - XX	60'		To surface
13 - xix 3/8	650'		To surface
9 - 5/8	2650'		To surface
8 - 5/8			
7 5 ½	5674'		
4.14	71/01		
3	7140'		
2	,		Perf. Top
Liners			Perf. Bottom Perf. Top
			Perf. Bottom
MUST ALSO BE SUBMITTED OFRACTURE - STIMULATE: OIL AND/OR GAS WELL OR BOND, PERMANENT PLAT OIL AND/OR GAS WELL OR ING ORIGINAL PERMIT NUM	L: OF OG - 1, SHOWING ORIGIN O 1929, A PERMANENT COI	FAL PERMIT NUMBER AND THE PLAT AND THE PLAT AND THE FUNE 5, 1929, FIVE (5) COORD.	PERFORMANCE BOND. ON IE ORIGINAL WELL RECORD OPIES OG - 1, PERFORMANCE FIVE COPIES OG - 1, SHOW-
.ou: (24) Hours in advance.			
	completed by the coal opera		
	I and place on our mine map	s this proposed well location	n. '
We theproviding operator has co	Coal Company ha	ve no objections to said well tions in Articles 4, 5, and 7,	being drilled at this location, Chapter 22 of the West Virginia
	g .	For	Coal Company
			Orficial Title