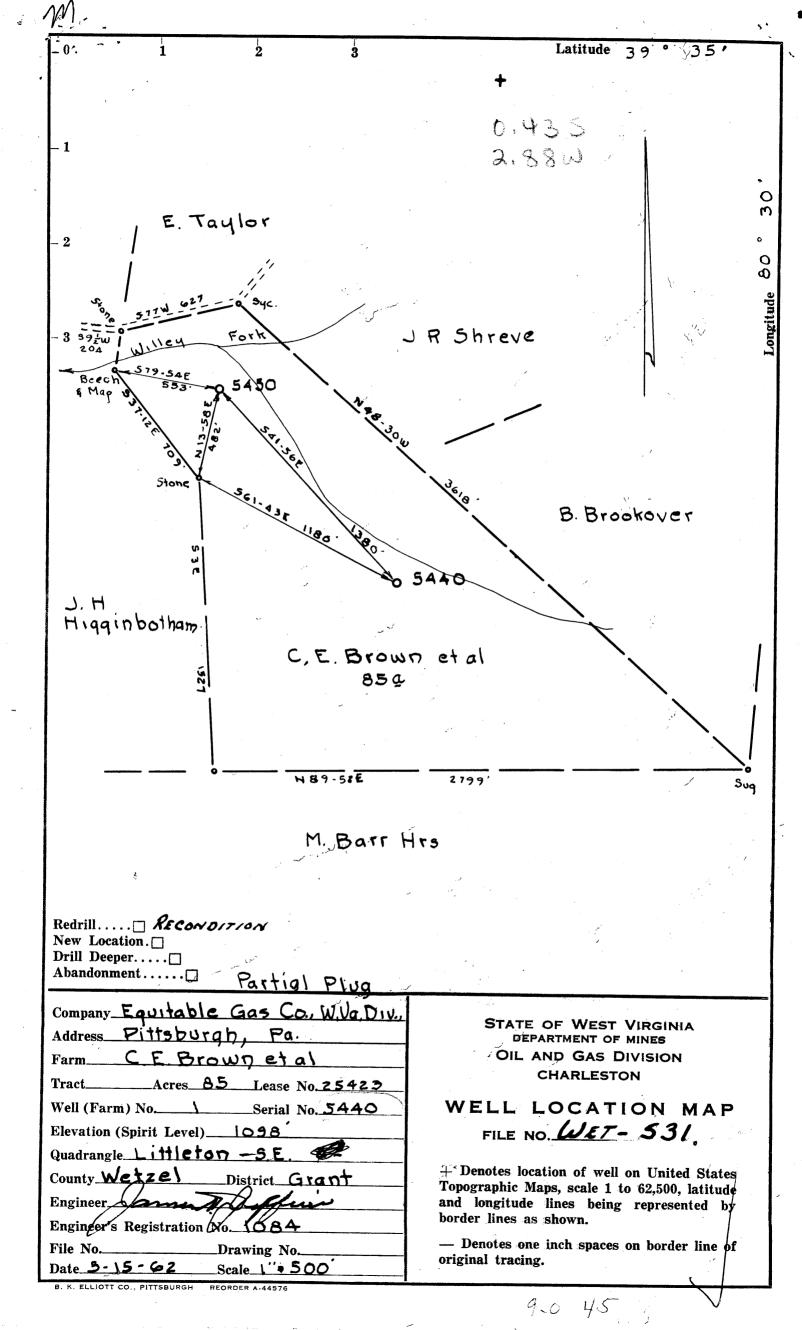
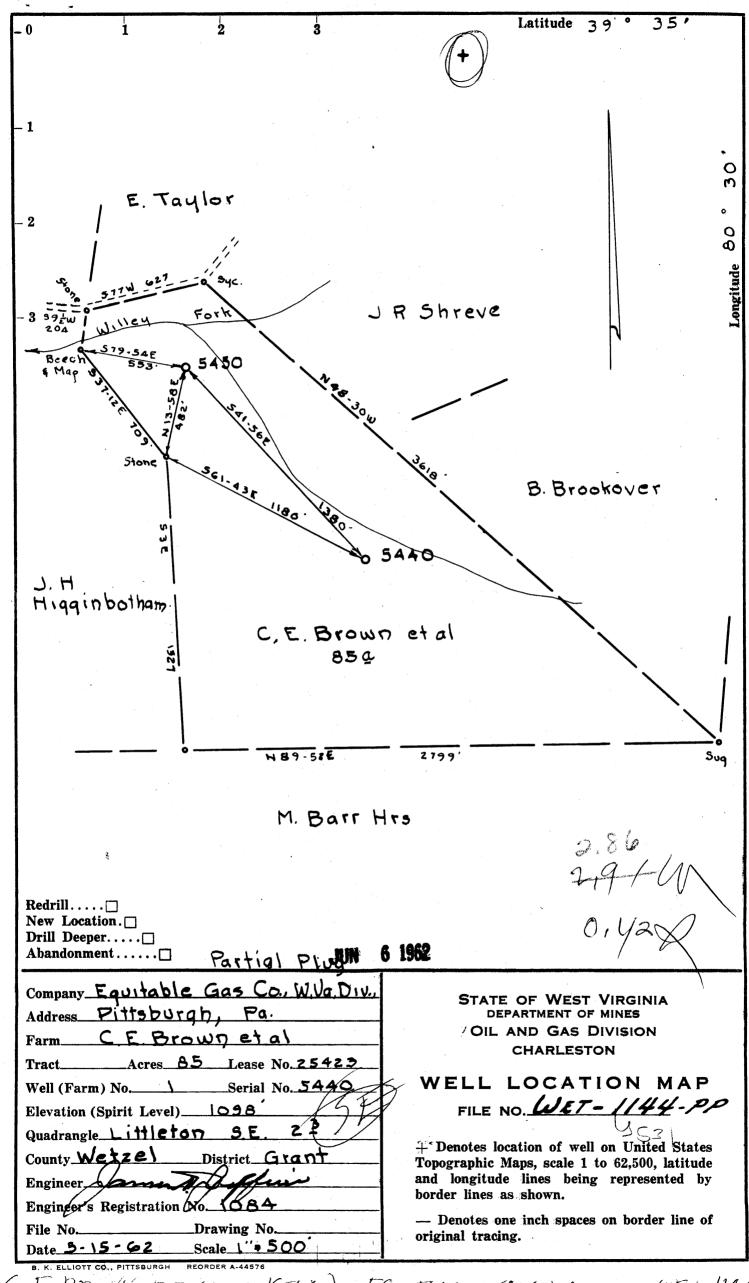
Plot Log Card CSD A Latitude (151) 39 37'30" (7/2') (2112) - 1 80°32'30" (. 80°30' (/5') - 2 E, TAYLOR J. R. SHREVE B. BROOKOVER C. E. BROWN et al J.H. 85a. HIGGINBOTHAN N89°52'E 2799 M. BARR Hrs. RECONDITION \$ 4/11/18 Fracture Redrill I, the undersigned, hereby certify that this map is correct to the best of my knowledge New Location. and belief and shows all the information required by paragraph 6 of the rules and regula-Drill Deeper □ tions of the oil and gas section of the mining laws of West Virginia. Abandonment Minimum accuracy, one part in Company EQUITABLE GAS COMPANY STATE OF WEST VIRGINIA
DEPARTMENT OF MINES Address 420 BLVD. OF THE ALLIES, PGH. PA. Farm C. E. BROWN et al OIL AND GAS DIVISION **CHARLESTON** Tract _____Acres_85 __Lease No.25423 Well (Farm) No._____Serial No.____Serial No.____ WELL LOCATION MAP FILE NO. WET-531-REC 1098' Elevation (Spirit Level)_ Quadrangle LITTLETON (15') BIG RUN (71/2') + Denotes location of well on United States Topographic Maps, scale 1 to 24,000 latitude County WETZEL District GRANT Engineer States S. Telfon and longitude lines being represented by border lines as shown. Engineer's Registration No.__ - Denotes one inch spaces on border line of _Drawing No._ original tracing. Date MAR. 23, 1978 Scale /" = 500' 47-103 APR 1 3 1978

G. & W. LEACH CO.. PGH., PA. OWWO 9-0 BILAPUN-BURCHFIELD YS





C, E, BROWN FT SL, No. 10440) - EQUITABLE GBG, WIVA, DN, - WET- 1144-\$



AUG 9 1379

STATE OF WEST VIRGINIA DEPARTMENT OF MINES

Oil and Gas Division WELL RECORD

Quadrangle Lit. SE 2³
Permit No. Wet. 531-REC

Rotary	Oil
Cable X	Gas X
Recycling	
Recycling Water Flood	Storage
Disposal	

			Disposal	(Kind)
Company Equitable Gas Co. Address 420 Blvd. of the Allies, Pgh, Pa. 15219 Farm C. E. Brown et al Acres 85	Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Farm C. E. B rown et al Acres 85 Location (waters) Willey Fork Well No. 5440 Elev. 1098	Size 20-16			7" cemented
District Grant County Wetzel	Cond.			1280' to sur
The surface of tract is owned in fee by Nellie J.	13-10"			w/ 160 sks. 50-50 pozmix
Phillips, Agt.	9 5/8			10% salt.
Address 326 Glenn Ln., Follansbee, W. Va. 26307	XXXX 8-1/4		1269'	
Mineral rights are owned by Jessie M. Brown. Agt. Route 2, Bx. 233,	7		2057'	4½" cement f
Address New Martinsville, W. Va.	5 1/2			2066' to 100
Drilling Commenced 6-27-79 261.55	4 1/2		2066'	w/ 115 sks 5 pozmix, 10%
Drilling Completed 8-10-79	3			poznik, 10%
Initial open flow N/A cu. ft bbls.	2		•	·
Final production N/A cu. ft. per day bbls.	Liners Used			
Well openhrs. before testRP.				
Well treatment details:	Attach copy of c	ementing red	ord.	
Coal was encountered atFeet_		Inche		
	Salt W	1110111		Feet
Reducing Sand Top Big Injun			to 20821	

Top Feet	Bottom Feet .	Oil, Gas or Water	* Remarks
1300	1331		
1432	1512		
1564	1650		en de la companya de
1688	1829		
1836	1848		
1982	2000		
2010	2066		•
2074	2105	Gas Storage 2074' - 2082'	
	TD. 2105 Plug Back		
	1300 1432 1564 1688 1836 1982 2010	1300 1331 1432 1512 1564 1650 1688 1829 1836 1848 1982 2000 2010 2066 2074 2105 TD. 2105 Plug	1300 1331 1432 1512 1564 1650 1688 1829 1836 1848 1982 2000 2010 2066 2074 2105 Gas Storage 2074' - 2082' TD. 2105 Plug Back

⁽over)



STATE OF WEST VIRGINIA DEPARTMENT OF MINES OIL AND GAS DIVISION

Quadrangle Littleton SE 2.3

Permit No. WET-131 WET-531

WELL RECORD
PARTIAL PLUG AND RECONDITION

Oil or Gas Well Gas Storage

Company Eq				Casing and	Used in	Left in	
Farm C. E.			urgh 19, Pa. Acres 85	-	Drilling	Well	Packers
			Acres 05				
			Elev. 1,098				
			tzel				Kind of Packer
			Shreve,		200	•	Hook Wall
3704 Hamli	n Avenue,	Address Weirto	on, W. Va.		389 1269	None 1269	Size of 6-5/8 x
			et al	-	2053	2053	<u>5-3/16</u>
					2064	2064	Depth set 2,064
Repair	nced 6-20-	-62 West	rtinsville, Virginia	5 3/16		2004	
Banair comple	ted 9-21-	-62		. 3			Perf. top
Date Shot	- Fro	om7	Го	Linous Hand			Perf. bottom
With				Liners Used			Perf. top
			Inch				Perf. bottom
			Inch				
Volume			Cu. Ft.	O A CITATO O DARKI	ENTED	_SIZE	_No. FtDate
Rock Pressure_			hrs.				
			bbls., 1st 24 hrs.		NCOUNTEREL	AT 330	FEET 36 INCHES
			, 150 21 Mrs.				FEETINCHES
				the state of the s			FEETINCHES
						11120	FEETINCHES
-	<u>.</u>						
RESULT AFTE	R TREATME	NT					
ROCK PRESSU	RE AFTER T	REATMENT					
Fresh Water		Feet		Salt Water		Fee	et
Formation	Color	Hard or		T	Oil, Gas	T	
	Color	Soft	Тор	Bottom	or Water	Depth	Remarks
Native Coal	Color	Soft	330	333		Depth	Remarks Driller
Native Coal		Soft	330 816	333 824		Depth	
Native Coal Pgh. Coal B. Dunkard Sa		Soft	330 816 1295	333 824 1327		Depth	Driller
Vative Coal Pgh. Coal B. Dunkard Sa Bas Sand		Soft	330 816 1295 1410	333 824 1327 1509		Depth	Driller
Native Coal Pgh. Coal B. Dunkard Sa Bas Sand Balt Sand		Soft	330 816 1295 1410 1560	333 824 1327 1509 1572	or Water	2290	Driller Driller
Native Coal Pgh. Coal B. Dunkard Sa Bas Sand Balt Sand Balt Sand		Soft	330 816 1295 1410 1560 1600	333 824 1327 1509 1572 1645	or Water		Driller Driller
Native Coal Pgh. Coal B. Dunkard Sa Bas Sand Balt Sand		Soft	330 816 1295 1410 1560 1600 1687	333 824 1327 1509 1572 1645 1825	or Water	2290	Driller Driller
Native Coal Pgh. Coal B. Dunkard Sa Bas Sand Balt Sand		Soft	330 816 1295 1410 1560 1600 1687 1832	333 824 1327 1509 1572 1645 1825 1842	or Water	2290	Driller Driller
Native Coal Pgh. Coal B. Dunkard Sa Bas Sand Balt Sand Batt Sand Batt Sand Batt Sand Batt Sand	ind	Soft	330 816 1295 1410 1560 1600 1687 1832 1980	333 824 1327 1509 1572 1645 1825 1842	or Water 2008	2290	Driller Driller
Native Coal Pgh. Coal B. Dunkard Sa Bas Sand Salt Sand Sat Sand	and	Soft	330 816 1295 1410 1560 1600 1687 1832 1980 2008	333 824 1327 1509 1572 1645 1825 1842 1995 2060	or Water 2008	2290	Driller Driller
Native Coal Pgh. Coal B. Dunkard Sa Bas Sand Balt Sand Batt Sand	and	Soft	330 816 1295 1410 1560 1600 1687 1832 1980 2008 2070	333 824 1327 1509 1572 1645 1825 1842 1995 2060 2120	or Water 2008	2290	Driller Driller
Native Coal Pgh. Coal B. Dunkard Sa Bas Sand Balt Sand B	and d	Soft	330 816 1295 1410 1560 1600 1687 1832 1980 2008 2070 2130	333 824 1327 1509 1572 1645 1825 1842 1995 2060 2120 2236	or Water 2008	2290	Driller Driller
Native Coal Pgh.	and d	Soft	330 816 1295 1410 1560 1600 1687 1832 1980 2008 2070 2130 2255	333 824 1327 1509 1572 1645 1825 1842 1995 2060 2120 2236 2290	or Water 2008	2290	Driller Driller
Native Coal Path	and d Sand	Soft	330 816 1295 1410 1560 1600 1687 1832 1980 2008 2070 2130 2255 2835	333 824 1327 1509 1572 1645 1825 1842 1995 2060 2120 2236 2290 2885	or Water 2008	2290	Driller Driller
Native Coal Path	and d Sand	Soft	330 816 1295 1410 1560 1600 1687 1832 1980 2008 2070 2130 2255	333 8214 1327 1509 1572 1645 1825 1812 1995 2060 2120 2236 2290 2885 2915	or Water 2008	2290	Driller Driller
Native Coal Pgh.	and d Sand	Soft	330 816 1295 1410 1560 1600 1687 1832 1980 2008 2070 2130 2255 2835	333 824 1327 1509 1572 1645 1825 1842 1995 2060 2120 2236 2290 2885	or Water 2008	2290	Driller Driller
Native Coal Pgh. Coal Pgh. Coal Psh.	and d Sand	Soft	330 816 1295 1410 1560 1600 1687 1832 1980 2008 2070 2130 2255 2835 2920	333 824 1327 1509 1572 1645 1825 1842 1995 2060 2120 2236 2290 2885 2945 3065 –	or Water 2008	2290	Driller Driller
Native Coal Pgh. Coal Pgh. Coal Psh.	and d Sand	Soft	330 816 1295 1410 1560 1600 1687 1832 1980 2008 2070 2130 2255 2835 2920	333 824 1327 1509 1572 1645 1825 1842 1995 2060 2120 2236 2290 2885 2945 3065	or Water 2008	2290	Driller Driller
Native Coal Pgh. Coal Pgh. Coal Psh.	and d Sand	Soft	330 816 1295 1410 1560 1600 1687 1832 1980 2008 2070 2130 2255 2835 2920	333 824 1327 1509 1572 1645 1825 1842 1995 2060 2120 2236 2290 2885 2945 3065 –	or Water 2008	2290	Driller Driller
Native Coal Pgh. Coal Pgh. Coal Psh.	and d Sand o		330 816 1295 1410 1560 1600 1687 1832 1980 2008 2070 2130 2255 2835 2920 3065	333 824 1327 1509 1572 1645 1825 1842 1995 2060 2120 2236 2290 2885 2945 3065 - 2105	or Water 2008 1098	2290	Driller Driller
Native Coal Pgh. Coal B. Dunkard Sa Bas Sand Balt Sand Bat Sand	and d Sand Log show	n from Gamma	330 816 1295 1410 1560 1600 1687 1832 1980 2008 2070 2130 2255 2835 2920 3065	333 824 1327 1509 1572 1645 1825 1842 1995 2060 2120 2236 2290 2885 2945 3065 - 2105	or Water	2290	Driller Driller
Native Coal Pgh. Coal Pgh. Coal Psh.	and d Sand co al Depth Vell loc	n from Gamma ated in Mobl	330 816 1295 1410 1560 1600 1687 1832 1980 2008 2070 2130 2255 2835 2920 3065	333 824 1327 1509 1572 1645 1825 1842 1995 2060 2120 2236 2290 2885 2945 3065 - 2105	or Water	2290	Driller Driller
Native Coal Pgh. Coal Pgh. Coal Psh.	and d d Sand co al Depth Vell loc Pulled 2	n from Gamma ated in Mobl	330 816 1295 1410 1560 1600 1687 1832 1980 2008 2070 2130 2255 2835 2920 3065	333 824 1327 1509 1572 1645 1825 1842 1995 2060 2120 2236 2290 2885 2945 3065— 2105 2105	or Water	2290	Driller Driller
Native Coal Pgh. Coal Pgh. Coal Psh.	and d d Sand co al Depth Vell loc Pulled 2	n from Gamma ated in Mobl	330 816 1295 1410 1560 1600 1687 1832 1980 2008 2070 2130 2255 2835 2920 3065	333 824 1327 1509 1572 1645 1825 1842 1995 2060 2120 2236 2290 2885 2945 3065— 2105 2105	or Water	2290	Driller Driller
Native Coal Pgh. Coal Pgh. Coal Psh.	and d d Sand co al Depth Vell loc Pulled 2	n from Gamma ated in Mobl	330 816 1295 1410 1560 1600 1687 1832 1980 2008 2070 2130 2255 2835 2920 3065	333 824 1327 1509 1572 1645 1825 1842 1995 2060 2120 2236 2290 2885 2945 3065— 2105 2105	or Water	2290	Driller Driller
Native Coal Pgh. Coal Pgh. Coal Psh.	and d d Sand co al Depth Vell loc Pulled 2	n from Gamma ated in Mobl	330 816 1295 1410 1560 1600 1687 1832 1980 2008 2070 2130 2255 2835 2920 3065	333 824 1327 1509 1572 1645 1825 1842 1995 2060 2120 2236 2290 2885 2945 3065— 2105 2105	or Water	2290	Driller Driller



Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

TO THE DEPARTMENT OF MINES,			
Charleston, W. Va.	DATE	March 30, 1978	
Surface Owner Nellie J. Phillips,	Agt. Comp	_{any} Equitable Gas	Company
Address 326 Glenn Lane, Follan	sbee.	Pittsburgh, P	a. 15219
Mineral Owner Jessie M. Brown, Agt	W.Va.26307	O E Drocero od o	n QE
Route 2. Box 233, New Ma	rtinsville.		Acres
Coal Owner Consolidation Coal Co	W.Va.26155	No. /- 5440	
Address Moundsville Div., P.O. Dr	awer L	Grant	Elevation
Moundsv		angle Littleton S.E	
	OU41 Quadr	angle <u>Diroute com Dir</u>	<u> J</u>
Address	ELL CITE	· n	
THIS PERMIT MUST BE POSTED AT THE W	EFF OUE		
All provisions being in accordance with Cha of the W. Va. Code, the location is hereby to for <u>RECONDITIONING</u> . This permit shall operations have not commenced by <u>8-11</u>	expire if TO BE NO	P.O. Box 173.	17076#11 1717
Jehut n (del)	PHONE	758-4573	
Deputy Director - Oil & Gas Division GENTLEMEN:			
The undersigned well operator is entitled to d	rill upon the above n	amed farm or tract of land f	or oil and gas having for
title thereto, (or as the case may be) under gran		-	
et al made to Equitable			
1962, in Wetzel County, Book			auy or
	Re	condition	
NEW WELL DRILL D			TURE OR STIMULATE
OIL AND GAS WELL ORIGINALL	Y DRILLED BEFOR	E JUNE 5, 1969.	
The enclosed plat was prepared by a registere have been notified as of the above date.	d engineer or license	d land surveyor and all coal	owners and/or operators
The above named coal owners and/or operator to make by Section 3 of the Code, must be recei	are hereby notified t ved by, or filed with	that any objection they wish the Department of Mines wi	to make, or are required thin ten (10) days. *
Copies of this notice and the enclosed plat wer	-		
or coal owners at their above shown respective as same day with the mailing or delivery of this cop	address	day	before, or on the
	Vorez teni	ly yours, S. M. Z	P
PLEASE SUBMIT COPIES OF ALL	very tru	me) Equitable Gas	inger
GEOPHYSICAL LOGS DIRECTLY TO:	(Sign Nai	me) <u>Hqur ou bro dan</u> Well Operator	
WEST VIRGINIA GEOLOGICAL AND		420 Blvd. of	
ECONOMIC SURVEY	Address	Street	
P. O. BOX 879	of Well Operator	Pittsburgh,	
MORGANTOWN, WEST VIRGINIA 26505 AC-304 - 292-6331	•	City or Town	
110 304 272 0331		Pa. 15219	
		State	
*SECTION 3 If no objections are filed or for notice and plat by the department of mines, to said prop the filing of such plat, that no objections have been made and the well operator authorized to proceed.	osed location, the departs	ment shall forthwith issue to the v	well operator a permit reciting

"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."

PERMIT NUMBER

47-103

BDOBOGED WORK OPDER TO	DRILL	XX -XXXXX	A COMPANY A COMPANY A COMPANY			
DRILLING CONTRACTOR: (If			RESPONSIBLE AGENT: NAME H. E. Gardner, Jr.			
NAME Equitable Gas Co		• · · · · · · · · · · · · · · · · · · ·				
ADDRESS			ADDRESS Box 1550, Clarksburg, W.Va.			
TELEPHONE			576			
ESTIMATED DEPTH OF COMPLETED WELL: 2008 PROPOSED GEOLOGICAL FORMATION: Big Injun		·	ROTARY CABLE TOOLS			
			YY			
TYPE OF WELL: OIL_						
	RECY	YCLING WATER FLO	ODOTHER			
TENTATIVE CASING PROGRAM						
CASING AND TUBING SIZE	USED FOR DRILLING	LEFT IN WELL	CEMENT FILL UP OR SACKS - CUBIC FT.			
20 - 16						
13 - 10						
9 - 5/8	7.0(0					
8-3/81/4	1269	1269				
x 6-5/8	2053	2053				
5 x -3/16	2064	Pull 2064				
4 ½		Run 2008				
3			Perf. Top			
Liners	177. blever <u>a bernar a servicio de la companya del companya del companya de la c</u>		Perf. Bottom			
Litters			Perf. Top Perf. Bottom			
			Terr. Bottom			
TO DRILL:	•	•				
TO DRILL:	-1					
SUBMIT FIVE (5) COPIES	OF OG - 1, \$100.00 PI	ERMIT FEE, PERFORMANCE BO	OND AND PERMANENT COPY			
OF PLAT.						
TO DRILL DEEPER OR REDRILL	L:					
SUBMIT FIVE (5) COPIES O WELLS DRILLED PRIOR T MUST ALSO BE SUBMITTE	O 1929, A PERMANEN	RIGINAL PERMIT NUMBER AND T	D PERFORMANCE BOND. ON HE ORIGINAL WELL RECORD			
TO FRACTURE - STIMULATE:						
	RIGINALLY DRILLED B	EFORE JUNE 5, 1929, FIVE (5) C	OPIES OG - 1, PERFORMANCE			
		N AND/OR AFTER JUNE 5, 1929				
ING ORIGINAL PERMIT NUI	MBER, AND PERFORMA	NCE BOND.				
Required forms must be filed four (24) hours in advance.	within ninety (90) days	of completion for bond release.	Inspector to be notified twenty-			
	•					
The following waiver must b thereof.	e completed by the coa	l operator if the permit is to be i	ssued within ten days of receipt			
WAIVER: I the undersigned, Ager	nt for	Coal Company Owner	or Operator of the goal under			
		ne maps this proposed well locati				
		any have no objections to said we	· · · · · · · · · · · · · · · · · · ·			
providing operator has o	omplied with all rules and	any nave no objections to said we d regulations in Articles 4, 5, and 7	Chapter 22 of the West Tree:			
Code.	The state of the s		, Chapter 22 of the west virginia			
- J						
		. Fo	r Coal Company			

Official Title