

FORM IV-35 (Obverse)

[08-78]

CASING AND TUBING PROGRAM

Fresh water 8 5/8

Conductor

Coal

Intermediate

Production

Tubing liners

\_\_, 19\_\_\_

SPECIFICATIONS

4½" J-55 10.5 x

OPEN FLOW DATA DECOMPONE

Second producing formation

Time of them flow between initial conditions terms, \_\_\_\_\_ broke

Static rolk pressure, \_\_\_\_\_\_ ratk oundate measurement above \_\_\_\_\_ acts MAX 3: 1982

20 x

[08-78]

WESTVALS, FRACTURING OF STEMPLATING, PHILOTOP 2734-36', 2902'-07', 3432'-34', 3540'-42', 3580'-82', 3640'-42', Perforations:

3698'-3700', 3942'-44', 4058'-60', 4264'-66', 4372'-74', 4770'-72'

4890'-94' Hustor

Fractured 7/1/81 in 3 stages using 142,000 # of 20-40 mesh sand and 2,000 barrels of 75 quality foam

WELL LOG

FORMATION	Jolon	Mard or Soft	Top Feet	Bottom Feet	Remarks Including indication of all fre and salt water, soal, oil and
Sandstone Shale Sand & Shale Red Rock Sand & Shale Maxon Shale Big Injun Shale Berea Shale Thirty Foot Shale Gordon Shale Riley Shale Benson Shale Benson Shale		hard soft soft soft soft soft soft soft soft	0 100 230 650 700 1495 1540 1860 1925 2430 2438 2540 2558 2710 2740 4440 4453 4640 4660	100 230 650 700 1495 1540 1860 1925 2430 2438 2540 2558 2710 2740 4440 4453 4640 4660 5003	gas and oil show gas gas and oil gas gas gas gas gas
E <u>loco</u> 404 2438 613-3682 822 4892					500 3 2-38 7565

Regulation C. Modi provides as follows:

"The term 'last' or 'well look shall mean a eyetematic, futailed geologial resort of all formations, including tool, encountered in the drilling of a well."



STATE OF WEST VIRGINIA



DEPARTMENT OF MINES

## OIL & GAS DIVISION OIL and Gas DivisionDEPT. OF MINES

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## OIL AND GAS WELL PERMIT APPLICATION

TO THE DEPARTMENT OF MINES,  Charleston, W. Va.	DATE June 11,1981			
Surface Owner Robert Lamouthe				
Address General Highway, Annapolis, Md.  Mineral Owner J.R. Morrison	Address 214 Clay St., St. Marys, W. Va.			
Address Rt. #1, St. Marys, W. Va.				
Coal OwnerNone				
Address	T a Daniel L a			
Coal Operator				
Address				
THIS PERMIT MUST BE POSTED AT THE WELL SITE				
· · ·	NSPECTOR  Phil Tracy  O BE NOTIFIED			
operations have not commenced by 2-16-82,	DDRESS			
The undersigned well operator is entitled to drill upon the	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 d	lated May 3 rd  1979 by J.R. Morrison  orp. 4 th day of June			
19 79, in Pleasants County, Book 152				
X NEW WELL DRILL DEEPER	REDRILL X FRACTURE OR STIMULATE			
OIL AND GAS WELL ORIGINALLY DRILLED				
have been notified as of the above date.  The above named coal owners and/or operator are hereby to make by Section 3 of the Code, must be received by, or fi	registered mail, or delivered to the above named coal operators			
same day with the mailing or delivery of this copy to the Dep	very truly yours,			
PLEASE SUBMIT COPIES OF ALL	(Sign Name) & Jan Mell Operator			
WEST VIRGINIA GEOLOGICAL AND ECONOMIC SURVEY P. 0. BOX 879  Addres of	214 Clay Street			
MORGANTOWN, WEST VIRGINIA 26505  AC-304 - 292-6331	City or Town  St. Marys, West Virginia			
	State			
notice and plat by the department of mines, to said proposed location,	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 perators or found thereto by the department and that the same is approved			
	47-073-1227			
"I have read and understand the reclamation requirements as set	PERMIT NUMBER			
Chapter 22, Article 4, Section 12-b and will carry out the specified require	orth in			

BLANKET BOND

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

PROPOSE	D WORK ORDER TO	X DRILL	DEEPEN X FF	ACTURE-STIMULATE		
DRILLING	CONTRACTOR: (If		RESPONSIBLE AGENT:			
NAME	FWA Drilling		NAME Ira W. Shafer ADDRESS 214 Clay St., St. Marys, W.Va. TELEPHONE (304) 684-7566  ROTARY CABLE TOOLS			
ADDRESS	Elkview, West					
TELEPHO	NE (304) 965 <b>-</b> 337	79				
ESTIMATE	ED DEPTH OF COMPI	LETED WELL:				
PROPOSEI	D GEOLOGICAL FOR	MATION:				
TYPE OF	WELL: OIL	GAS (	COMB. X STORAGE	DISPOSAL		
		and the second s		OD OTHER		
		1120102				
TENTATIV	VE CASING PROGRAM	M:				
		·	•	And the second of the second o		
•CASIN	NG AND TUBING	USED FOR	LEFT IN	CEMENT FILL UP		
	SIZE	DRILLING	WELL	OR SACKS - CUBIC LT.		
20 - 16	16"	20'	20 '			
13 - 10						
9 - 5/8						
8 - 5/8	900'	900'	900'	To Surface		
7			3.20 3196. 41			
5 ½	5000'	Magazini Milipinia, Magazinia mada esta esta esta esta esta esta a la como a la como de como d	500	500 sks. Pozmis 50-50		
7 /2	5000		700	1 19 10 10 10 10 10 10 10 10 10 10 10 10 10		
3				Pert. Top		
1 inore			Sangaga Standard	Perf. Bottom Perf. Top		
Liners				Perf. Bottom		
<u> </u>						
		150	1 <b>a</b> 1	1000		
				1000 FEET		
		none				
IS COAL	BEING MINED IN TH	IE AREA? no	BY WHOM?			
TO DRIL						
		LOT OG A MAN ON BUDN	VIII. IIII. DEDEGERALIA DE			
	MIT FIVE (5) COPIES PLAT.	6 OF OG - 1, \$100.00 PERM	IIT FEE, PERFORMANCE BO	OND AND PERMANENT COPY		
Or I	LAI.					
TO DRILI	DEEPER OR REDRI	LL:		•		
				D PERFORMANCE BOND. ON		
			OPY OF THE PLAT AND T	THE ORIGINAL WELL RECORD		
MUS	T ALSO BE SUBMITT	ED.				
TO FRAC	TURE - STIMULATE:		•			
OIL	AND/OR GAS WELL C	ORIGINALLY DRILLED BEFO	ORE JUNE 5, 1929, FIVE (5)	COPIES OG - 1, PERFORMANCE		
		Γ AND ORIGINAL WELL RE		· · · · · · · · · · · · · · · · · · ·		
OIL	AND/OR GAS WELL C	ORIGINALLY DRILLED ON A	AND/OR AFTER JUNE 5, 192	9, FIVE COPIES OG - 1, SHOW-		
		UMBER, AND PERFORMANC				
Rogi	uired forms must be file	ed within ninety (00) days of	a mortation for bond values	Inspector to be notified twenty		
	(24) hours in advance.		completion for bond release.	inspector to be notified twenty-		
	(,					
		•				
		× .				
The	following waiven must	he completed by the coal or	country if the may mit is to ke	issued within ton done of receipt		
thereof.	tollowing waiver must	be completed by the coal of	perator if the permit is to be	issued within ten days of receipt		
	T 41	erak fran	C1 C O			
WAIVER:				or Operator of the coal under		
		ned and place on our mine r				
	We the	Coal Company	have no objections to said w	ell being drilled at this location,		
	providing operator has	complied with all rules and re	gulations in Articles 4, 5, and	7, Chapter 22 of the West Virginia		
	Code.					
				#		
		٠,	1.3	or Coal Company		
			. 1	от соагсопірану		