



STATE OF WEST VIRGINIA

Oil and Gas Division

WELL RECORD

Quadrangle Oxford		KECUKU		Rotary X Cable Recycling	Gasx
Permit No. 017-3035				Water Floor	Storage
	The control of the co			Disposal	(Kind)
Company Carnegie Natural Gas C		Casing and			
Address 3904 Main Street, Munh Leeman Maxwell	all, Pa. 15	120 Tubing	Used in Drilling	Left	Cement fill up
5 (8d) 8 5 Carrier - 1	Acres 2164	2 001118	Drining	in Well	Cu. ft. (Sks.)
Location (waters) Blustone Well No. 45-1849	10701	Size	- Andrews		
W 411 1 VO.	lev. 1070'	20-16			
000000	dariage	Cond.			
The surface of tract is owned in fee by		13-10"	-		
Address West Union, W Va.		9 5/8 8 5/8			
Mineral rights are owned by Maxwell 1	Hrs.	7	1222	1222	
Address Various		5 1/2			
Drilling Commenced August 4, 19	981	4 1/2	- F003		
Drilling Completed August 9. 19	981	3	5031	5031	
Initial open flow 48,200 cm 6	1.1	2			
" " Production Cu. IV. per day_	bhls	Liners Used			
Well open 11 hrs. before test.	1350 RP				
Well treatment details:		Attach copy of	Comenting	2	
Dowell: September 25, 1981	25 bbls. ac	id, 2083 bbls	water 22	ra. 5 000 som	a -
			- 112 0019 22	J,000 San	
	·				
71		-			
Coal was encountered at	Feet	t	Inches		
					Feet
roducing Sand Warren, Bradfor	u, Riley, A	Lexander Depth	<u> 2948–4931</u>		2 941
Furmation Color Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or	Water * 1	Remarks
Clay					Nemarks
Shale	0,	15			
Shale	15 40	40			•
Sand	65	180			
Lime Sand	180	250			
Limy Sand Shale	250	320			
Red Rock	320	355			
Sand	355 370	370	120	CEIV	
R. R.	380	380 395		A Pera	(20)
Shale	39 5	405		CT 15 198	
R. R. Shale	405	430	•	סבו כז וי	
Sandy Shale	430	440	OIL A	ND GAS DIV PARTMENT OF	ISION
R. R.	440 450	450	. 44 A DE		MINES
Shale	450	480 510			
Sand Shale	510	550		•	
Coal	550	740			
Shale	740	743		•	14. 1 46.
Sand	743 850	850 905	• •	.	P**880*
Shale	905g	930			OCT 2 9 1981
Shale	930	935			
Shale Sand.	·935	1055			*
Dispersion of the second secon	_ 1055	1150			

Záman Z	Oil. Gas or Water	1993 mollo@	Top Feet	field to braff tolod Rollaming
		3032 3032 3032 2820 2720 2720 2720 2720 2720 2720 272	3032 5820 5820 5900	Shale Sand Sand I. Lime Big Lime Big Injun Shale Sand Sand Sand Sand Sand Sand Sand Sand
		2020 7897 7897 9089 7997 9078 9098	9867 2787 0087 0297 S197 9857 S078 0188	shad shad shad shad shad brad shad shad shad shad shad
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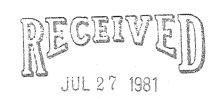
APPROVED TRUMOTR D. Buray Note October 7s

TO THE DEPARTMENT OF MINES,

and the well operator authorized to proceed.

BLANKET BOND





Oil and Gas Division

OIL & GAS DIVISION

OIL AND GAS WELL PERMIT APPLICATION OF MINES

Charleston, W. Va.	DATE July 23, 1981
Surface Owner Justice M. Henderson	Company Carnegie Natural Gas Company
Address West Union, West Va. 26456 MAYTY, Agt. &M.L. Holland Mineral Owner Atty. in, Fact.	Address3904 Main Street, Munhall, Pa. 15120
	Farm Leeman MaxwellAcres 1500
Address West Union, W.Va. 26456	Location (waters) Blustone Creek 10.70
Coal Owner No Commercial Coal	Well No. 45-1849 Elevation 1172
Address	
Coal Operator	
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	INSPECTOR TO BE NOTIFIED Stephen Casey
for drilling. This permit shall expire if	ADDDECC T. T. T. T.
operations have not commenced by 3-31-82	ADDRESS Jane Lew, W.Va.
Deputy Director - Oil/ Ocy Division	PHONE 884-7470
GENTLEMEN:	
The undersigned well operator is entitled to drill upon t	he above named farm or tract of land for oil and gas, having fee
The statement of the st	and recorded on the 12 th. day of June
rgc in Doddridge County, Book	Page
	REDRILLFRACTURE OR STIMULATE
OIL AND GAS WELL ORIGINALLY DRILLE	ED BEFORE JUNE 5, 1969.
The enclosed plat was prepared by a registered engineer have been notified as of the above date.	or licensed land surveyor and all coal owners and/or operators
The above named coal owners and/or operator are hereby to make by Section 3 of the Code, must be received by, or	y notified that any objection they wish to make, or are required filed with the Department of Mines within ten (10) days. *
Copies of this notice and the enclosed plat were mailed bor coal owners at their above shown respective address same day with the mailing or delivery of this copy to the D	by registered mail, or delivered to the above named coal operators day before, or on the department of Mines at Charleston, West Virginia.
	Very truly yours, Carnegie Natural Gas Company
PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO:	(Sign Name) Well Operator
WEST VIRGINIA GEOLOGICAL AND	3904 Main Street,
ECONOMIC SURVEY Addr	
P. O. BOX 879 of	
MORGANTOWN, WEST VIRGINIA 26505 Well Op. AC-304 - 292-6331	City or Town
AC-304 - 292-0331	Pennsylvania, 15120
	State State
	State
*SECTION 3 If no objections are filed as family to	Department of mines, within said period of ten days from the receipt of

47-017-3035

_PERMIT NUMBER

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

DRILLING CONTRACTOR: (I	f Known)	DEEPEN FRACTURE-STIMULATE RESPONSIBLE AGENT: NAME W. L. Y ho = Supt. ADDRESS Toll Gate, W.Va. 26442			
NAME S. W. Jack Drilli ADDRESS Buckhannon, W.Va					
TELEPHONE					
ESTIMATED DEPTH OF COMP			CABLE TOOLS		
PROPOSED GEOLOGICAL FOR					
TYPE OF WELL: OIL		OMB STORAGE DISPOSAL			
	RECYCLI	NG WATER FL	OODOTHER		
TENTATIVE CASING PROGRA	M:				
CASING AND TUBING	USED FOR	LEFT IN	WWW.		
SIZE	DRILLING	WELL	OR SACKS - CUBIC FT.		
20 - 16					
13 - 10 11-3/4 9 - 5/8	. 301	301			
8 - 5/8	7 2001				
7	13001	1300'	Cemented to surface		
5 ½					
4 ½	5275'	C075.	(00)		
3	2419	52751	6001		
2 .			Perf. Top Perf. Bottom		
Liners			Perf. Top		
			Perf. Bottom		
SUBMIT FIVE (5) COPIES OF WELLS DRILLED PRIOR TO MUST ALSO BE SUBMITTE OF TRACTURE - STIMULATE: OIL AND/OR GAS WELL OF BOND, PERMANENT PLAT OIL AND/OR GAS WELL OF ING ORIGINAL PERMIT NU	OF OG - 1, \$100.00 PERMIT L: OF OG - 1, SHOWING ORIGIN TO 1929, A PERMANENT CO TO RIGINALLY DRILLED BEFOR AND ORIGINAL WELL RECO RIGINALLY DRILLED ON AN MBER, AND PERFORMANCE	BY WHOM? FEE, PERFORMANCE E NAL PERMIT NUMBER AN PY OF THE PLAT AND E JUNE 5, 1929, FIVE (5) ORD. D/OR AFTER JUNE 5, 192 BOND.	NO PERFORMANCE BOND. ON THE ORIGINAL WELL RECORD COPIES OG - 1, PERFORMANCE P. FIVE COPIES OG - 1, SHOW Inspector to be notified twenty-		
AIVER: I the undersigned, Ager this lease have examine We the <u>Owner of</u> t	nt for on our mine man	Coal Company, Owner os this proposed well locat ave no objections to said w	issued within ten days of receipt or Operator of the coal und- ion. ell being drilled at this location. 7, Chapter 22 of the West Virginia		
	· · · · · · · · · · · · · · · · · · ·	Justen Di	Or Coal Company		

Official Title