12,025

TEED WELL?

3-3

068

## Mara - 0704

## RECEIVED



IV-35 (Rev 8-81) FEB 2 4 1983

OIL AND GAS DIVISION State of Mest Mirginia

Pepartment of Mines Gil und Gas Bivision

Date	Jan.	L2, 19	B3 <u> </u>		
Operator's					
Well N	lo	1-187	2		
Farm Elmer Brand					
API No	). 47 -	061	- 0704		

WELL OPERATOR'S REPORT

OF

DRILLING.	FRACTURING	AND/OR	STIMULATING,	OR	PHYSICAL	CHANGE

LOCATION: Elevation: 1070 Watershed_					
District: Cass County Monor	ngalia	Quadrangle	<u>0</u> 0 ≤	age	
COMPANY Carnegie Natural Gas Company	<u>.</u>				
ADDRESS 800 Regis Ave., Pittsburgh, Pa. 15236	Casing	Used in	Teft	Cement	
DESIGNATED AGENT J. C. Stephenson	Casing Tubing	Drilling		fill up Cu. ft.	
ADDRESS PO Drawer No. 387, Mannington, WV 26582	Size	DITTI	HI WELL	- Cu. 10.	
SURFACE OWNER Mary K. Cline	20-16			·	
ADDRESS Rt. #1, Maidsville, WV 26541	Cond.				
MINERAL RIGHTS OWNER Mary K, Cline	13-10"				
ADDRESS Rt. #1, Maidsville, WV 26541	9 5/8				
OIL AND GAS INSPECTOR FOR THIS WORK William	8 5/8	1502	1502	355 sacks	
Rt. #4, Box 17  Blosser ADDRESS Fairment, WV 26554	7			<u> </u>	
PERMIT ISSUED August 2, 1982	5 1/2				
DRILLING COMMENCED Sept. 3, 1982	4 1/2	5386	5386	650 sacks	
DRILLING COMPLETED Sept. 13, 1982	3	<u> </u>			
IF APPLICABLE: PLUGGING OF DRY HOLE ON	2				
CONTINUOUS PROGRESSION FROM DRILLING OR	Liners				
REWORKING. VERBAL PERMISSION OBTAINED ON	used				
		Don	th 611	50 <b>fee</b> t	
	у	<del></del>		<u> </u>	
Depth of completed well5386 feet					
Water strata depth: Fresh 24, 525 feet; Salt feet  Coal seam depths: 198-204, 287-307 Is coal being mined in the area? Yes					
Coal seam depths: 198-204, 287-307	_ is coar	being mun	2667-271	_	
Gordon OPEN FLOW DATA Elizabeth, Warren, Balltown			3101-392	9	
Co-mingled Riley, Benson, Alexander Producing formition	Pa	y zone dep	oth	fee	
Gas: Initial open flow 13.4 Mcf/d	Oil: In	itial oper	flow	Bb1/c	
Final open flow 219 Mcf/d	Fi	nal open f	low	Bb1/e	
Time of open flow between ini					
Static rock pressure 1050 psig(surfa	ce measure	ment) afte	er 67½ ho	urs shut i	
(If applicable due to multiple completio					
Second producing formation	Pa	y zone dej	oth	fee	
Gas: Initial open flowMcf/d	Oil: In	itial oper	n flow	Bb1/	
	Oil: Fi	nal open :	flow	Bb1/	
Final open flowMcf/d  Time of open flow between ini					

FORM IV-35

(PEVERSE) Sheet #2 - Elmer Brand Well No. 1-1872

Permit No. 47-061-0704, Cass District, Monongalia County, W. Va.

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.

Fractured October 7, 1982.

5386' with Gel. Hole plugged back to:

Riley, Benson, Alexander Perforations: 1st Stage

4707-5200

15 holes

2nd Stage

Elizabeth, Warren, Balltown

3101-3929

18 holes

3rd Stage

Gordon

2667-2715

18 holes

Fractured:

1st Stage

2nd Stage

3rd Stage

5,000# 80/100 Sand 15,000# 20/40 Sand

10,000# 80/100 Sand 30,000# 20/40 Sand 10,000# 80/100 Sand

300 Gals. HCL Acid

800 Gals HCL Acid

30,000# 20/40 Sand

200 Gals. HCL Acid

453 Bbls. Water

479 Bbls. Water

422 Bbls. Water

WELL LOG

			REMARKS		
FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET			
Top Soil	0	10			
Sand and Shale	10	45	Water - 24' 1/2" stream		
Sand	45	70			
Shale	70	80			
Sand	80	90			
Sand and Shale	90	140			
Limestone	140	166			
Sand and Shale	166	198			
Coal	198	204			
Sand and Shale	204	285			
Coal	287	307	,		
Sand and Shale	307	435			
Shale	435	587	Water - 525' increased to 1" stream		
Red Rock	587	630			
Sand	630	638			
Shale and Red Rock	638	677	ł		
Sand and Shale	677	955	•		
Sand	955	980			
Sand and Shale	980	1150			
Sand	1150	1225			
Shale	1225	1265			
Sand	1265	1287			
Shale	1287	1300	·		
Sand and Shale	1300	1325			
Shale	1325	1370			
Sand and Shale	1370	1390			
Red Rock	1390	1425			
Sand and Shale	1425	1455			
Sand	1455	1465			
Sand and Shale	1465	1484			
Tittle Lime	1484	1499			
Pencil Cave	1499	1508			
	1508	1605			
Big Lime	1605	1658			
Big Injun	1658	6150			
Sand and Shale	1030				
·Total Depth		6150			

(Attach separate sheets as necessary)

CARNEGIE NATURAL GAS COMPANY Kenneth

Note: Regulation 2.02(i) provides as follows:

"The term 'log' or 'well log' shall mean a systematic detailed geological record of all formations, including wal, encountered in the drilling of a well."