



Minimum Error of Closure 1 in 200'
 Source of Elevation USGS elev. at Sugarcamp Road = 824

I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia.

- Fracture
- New Location
- Drill Deeper
- Abandonment

Signed: M. S. [Signature]
 Squares: N S E W

Map No. _____

Company CARNEGIE NATURAL GAS CO.

Address Munhall, Penna.

Farm George Ahouse

Tract _____ Acres 121 Lease No. 9891-16

Well (Farm) No. Four Serial No. 1828

Elevation (Spirit Level) 832

Quadrangle New Milton 7 1/2 NW Quad 15'

County Deedridge District New Milton

Engineer [Signature]

Engineer's Registration No. 1227

File No. _____ Drawing No. _____

Date March 1, 1980 Scale 1" = 1000'

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON

WELL LOCATION MAP
 FILE NO. 017-2634

+ Denotes location of well on United States Topographic Maps, scale 1 to _____, latitude and longitude lines being represented by border lines as shown.

-- Denotes one inch spaces on border line of original tracing.

6-0 Smithton-Flint-Setalica (99)



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
Oil and Gas Division
WELL RECORD

Rotary X Oil _____
Cable _____ Gas _____
Recycling _____ Comb. _____
Water Flood _____ Storage _____
Disposal _____ (Kind)

Quadrangle Centerpoint S.V.

Permit No. 47-017-2634

Company <u>Carnegie Natural Gas Company</u>	Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Address <u>3904 Main Street, Mumball Pa. 15120</u>				
Farm <u>Ahouse</u> Acres <u>121</u>	Size			
Location (waters) <u>Meathouse Fork</u>	20-16			
Well No. <u>4-1830</u> Elev. <u>832</u>	Cond.			
District <u>New Milton</u> County <u>Doddridge</u>	<u>12 1/2" 11-3/4</u>	<u>29'</u>	<u>29'</u>	
The surface of tract is owned in fee by _____	9 5/8			
<u>R. L Travis</u>	8 5/8			
Address <u>Blandsville, West Va.</u>	7	<u>1233'</u>	<u>1233'</u>	<u>320 Sks</u>
Mineral rights are owned by <u>Same</u>	5 1/2			
Address _____	4 1/2	<u>5099'</u>	<u>5099'</u>	<u>245 Sks</u>
Drilling Commenced <u>10-23-80</u>	3			
Drilling Completed <u>11-1-80</u>	2			
Initial open flow <u>11,000</u> cu. ft. _____ bbls.	Liners Used			
Final production <u>N/A</u> cu. ft. per day _____ bbls.				
Well open _____ hrs. before test _____ RP.				

Well treatment details:

Well fractured by Haliburton 12-18-80
42 Bbls. H.C.l. acid. 500 Sks 80/100 - 1750 Sks 20/40/ sand
and 11,96 Bbls. Water.

Attach copy of cementing record.

Coal was encountered at None Feet _____ Inches _____
Fresh water 40' Feet _____ Salt Water _____ Feet _____
Producing Sand Alexander, Riley, Bradford Depth 4948-73; 4556-65; 4182-84
3024-3119; 2695-97

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Red Rock			0	15	Water 40f	
Sand			15'	35'		
Shale			35'	100'		
Red Rock			100'	139'		
Sand			139'	155'		
Shale			155'	175'		
Sand			175'	227'		
Shale			227'	445'		
Sand			445'	460'		
Red Rock			460'	496'		
Shale			496'	496'		
Red Rock			570'	585'		
Sand			585'	655'		
Shale			655'	700'		
R.R. Shale			700'	777'		
Sand			777'	833'		
Shale			833'	864'		
Sand			864'	894'		
Shale			894'	1120'		
Sand			1120'	1192'		
Shale			1192'	1200'		
Sand			1200'	1269'		
Shale			1269'	1410'		
Sand			1410'	1425'		

AUG 17 1981

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	Remarks
Shale			1425°	1460°		
Sand			1460°	1485°		
Shale			1485	1600°		
Lime			- 1600°	1625°		
Sand			1625°	1660°		
Lime			- 1660°	1710°		
Sand			1710°	1792°		
Shale			1792°	1938°		
Sand			1938°	2180°		
Shle			2180°	2344°		
Sand			2344°	2367°		
Shale			2367°	2680°		
Sand			2680°	2698°		
Shale & Sand			2698	4655°		
Sand			4655°	4659°		
Shale			4659°	4904°		
Alexander			4904°	5008°		
T.D.				5200°		

Date July 31, 1981

APPROVED M. Ryoko Owner

Div. Supt.
Carnegie Natural Gas Company



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED
MAR 20 1980
OIL & GAS DIVISION
DEPT. OF MINES

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

TO THE DEPARTMENT OF MINES,
Charleston, W. Va.

DATE March 19, 1980

Surface Owner R. I. Travis Company Carnegie Natural Gas Company

Address Blandville, W. Va. 26328 Address 3901 Main Street, Marshall, Pa. 15120

Mineral Owner R. I. Travis Corp. et al. Farm George House Acres 121

Address Blandville, W. Va. 26328 Location (waters) Northouse Fork

Coal Owner _____ Well No. h-1830 Elevation 832'

Address _____ District New Milton County Dodderidge

Coal Operator No commercial coal Quadrangle Centerpoint 3.W.

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 for drilling. This permit shall expire if operations have not commenced by 11-25-80.

INSPECTOR TO BE NOTIFIED Paul Garrett

ADDRESS _____

PHONE 622-3871

Robert L. [Signature]
Deputy Director - Oil & Gas Division

GENTLEMEN:

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 dated July 21, 1916 by A. & W. L. Davis Sutton made to Carnegie Natural Gas Co. and recorded on the _____ day of _____ 19____, in Dodderidge County, Book 31 Page 255

NEW WELL _____ DRILL DEEPER _____ REDRILL _____ FRACTURE OR STIMULATE
OIL AND GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1969.

The enclosed plat was prepared by a registered engineer or licensed land surveyor and all coal owners and/or operators have been notified as of the above date.

The above named coal owners and/or operator are hereby notified that any objection they wish to make, or are required to make by Section 3 of the Code, must be received by, or filed with the Department of Mines within ten (10) days. *

Copies of this notice and the enclosed plat were mailed by registered mail, or delivered to the above named coal operators or coal owners at their above shown respective address _____ day _____ before, or on the same day with the mailing or delivery of this copy to the Department of Mines at Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO:

WEST VIRGINIA GEOLOGICAL AND ECONOMIC SURVEY
P. O. BOX 879
MORGANTOWN, WEST VIRGINIA 26505
AC-304 - 292-6331

Address of Well Operator

Very truly yours, Carnegie Natural Gas Company
(Sign Name) W. L. [Signature] Well Operator

3901 Main Street, Street
Marshall, City or Town
Pennsylvania, 15120 State

*SECTION 3 If no objections are filed or found by the Department of mines, within said period of ten days from the receipt of notice and plat by the department of mines, to said proposed location, the department shall forthwith issue to the well operator a permit reciting the filing of such plat, that no objections have been made by the coal operators or found thereto by the department and that the same is approved and the well operator authorized to proceed.

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

PROPOSED WORK ORDER TO _____ DRILL DEEPEN _____ FRACTURE-STIMULATE _____
 DRILLING CONTRACTOR: (If Known) _____ RESPONSIBLE AGENT: _____
 NAME Hugh K. Spencer NAME W. L. Tobe - Div. Supt.
 ADDRESS West Union, W. Va. 26156 ADDRESS Toll Gate, W. Va. 26112
 TELEPHONE 301-873-1602 TELEPHONE 301-659-2921
 ESTIMATED DEPTH OF COMPLETED WELL: 5200' ROTARY CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Alexander
 TYPE OF WELL: OIL _____ GAS COMB. _____ STORAGE _____ DISPOSAL _____
 RECYCLING _____ WATER FLOOD _____ OTHER _____

TENTATIVE CASING PROGRAM:

CASING AND TUBING SIZE	USED FOR DRILLING	LEFT IN WELL	CEMENT FILL UP OR SACKS - CUBIC FT.
20 - 16			
13 - 10 <u>11-3/4"</u>			
9 - 5/8	<u>30'</u>		
8 - 5/8			
7	<u>1200'</u>	<u>1200'</u>	<u>To surface</u>
5 1/2			
4 1/2			
3	<u>5200'</u>	<u>5200'</u>	<u>800'</u>
2			Perf. Top
Liners			Perf. Bottom
			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS _____ FEET _____ SALT WATER _____ FEET _____
 APPROXIMATE COAL DEPTHS _____ FEET _____
 IS COAL BEING MINED IN THE AREA? No BY WHOM? _____

TO DRILL:

SUBMIT FIVE (5) COPIES OF OG - 1, \$100.00 PERMIT FEE, PERFORMANCE BOND AND PERMANENT COPY OF PLAT.

TO DRILL DEEPER OR REDRILL:

SUBMIT FIVE (5) COPIES OF OG - 1, SHOWING ORIGINAL PERMIT NUMBER AND PERFORMANCE BOND. ON WELLS DRILLED PRIOR TO 1929, A PERMANENT COPY OF THE PLAT AND THE ORIGINAL WELL RECORD MUST ALSO BE SUBMITTED.

TO FRACTURE - STIMULATE:

OIL AND/OR GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1929, FIVE (5) COPIES OG - 1, PERFORMANCE BOND, PERMANENT PLAT AND ORIGINAL WELL RECORD.

OIL AND/OR GAS WELL ORIGINALLY DRILLED ON AND/OR AFTER JUNE 5, 1929, FIVE COPIES OG - 1, SHOWING ORIGINAL PERMIT NUMBER, AND PERFORMANCE BOND.

Required forms must be filed within ninety (90) days of completion for bond release. Inspector to be notified twenty-four (24) hours in advance.

The following waiver must be completed by the coal operator if the permit is to be issued within ten days of receipt thereof.

WAIVER: I the undersigned, Agent for _____ Coal Company, Owner or Operator of the coal under this lease have examined and place on our mine maps this proposed well location.

We the _____ Coal Company have no objections to said well being drilled at this location, providing operator has complied with all rules and regulations in Articles 4, 5, and 7, Chapter 22 of the West Virginia Code.

For Coal Company

Official Title