



Fracture   
 New Location   
 Drill Deeper   
 Abandonment

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.

Signed: [Signature]  
 Squares: N S E W

Company Carnegie Natural Gas Co.  
 Address Munhall, Penna.  
 Farm Leeman Maxwell  
 Tract Acres 2164 Lease No. 6764  
 Well (Farm) No. 39 Serial No. 1765  
 Elevation (Spirit Level) 1203  
 Quadrangle Holbrook, NE  
 County Doddridge District West Union  
 Engineer [Signature]  
 Engineer's Registration No. 1227  
 File No. \_\_\_\_\_ Drawing No. \_\_\_\_\_  
 Date Aug. 16, 1972 Scale 1" = 80 p = 1280'

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

WELL LOCATION MAP  
 FILE NO. DOD-1685

+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.  
 — Denotes one inch spaces on border line of original tracing.



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DEC 26 1972

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

OIL & GAS DIVISION  
DEPT. OF MINES

39-15  
3-25

Quadrangle HOLBROOK N. E.

Permit No. DOD-1688

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

Company CARNEGIE NATURAL GAS COMPANY  
Address 3904 Main St., Murrell, Penna. 15120  
Farm Leeman Maxwell Acres 2164  
Location (waters) Bluestone Creek  
Well No. 39-1765 Elev. 1203'  
District West Union County Doddridge  
The surface of tract is owned in fee by \_\_\_\_\_

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 20-16			
Cond. 13-10" 10.750"	247	247	112 Ft <sup>3</sup> (247')
9 5/8			
8 5/8			
7			
5 1/2			
4 1/2	1949	1949	152 Ft <sup>3</sup> (515')
3			
2			
Liners Used			

Address \_\_\_\_\_  
Mineral rights are owned by \_\_\_\_\_  
Address \_\_\_\_\_  
Drilling Commenced 9/11/72  
Drilling Completed After Frac. 11/2/72  
Initial open flow 163 M cu. ft. No bbls.  
Final production 353 M cu. ft. per day No bbls.  
Well open \_\_\_\_\_ hrs. before test 380 RP.

Well treatment details: Fractured 2 zones by Dowell. Salt Sand and Big Injun Sand. 16,000# Sand & 1034 bbls water.

Attach copy of cementing record.

Coal was encountered at None feet \_\_\_\_\_ inches  
Fresh water \_\_\_\_\_ feet \_\_\_\_\_ inches  
Producing Sand Salt Sand Big Injun Salt Water Depth 1540'-1578' 1898'-1931'  
Salt Big Injun

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Clay			0	40		
Red Rock			40	55		
Sand			55	67		
Slate & Shells			67	150		
Red Rock			150	179		
Slate & Shells			179	260		
Red Rock			260	290		
Sand			290	350		
Slate & Shells			350	450		
Sand			450	465		
Slate & Shells			465	596		
Red Rock			596	616		
Slate & Shells			616	630		
Red Rock			630	662		
Slate & Shells			662	727		
Sand			727	755		
Black Slate			755	783		
Slate & Shells			783	841		
Sand			841	848		
Slate & Shells			848	876		
Slate			876	1003		
Sand			1003	1012		
Slate & Shells			1012	1096		

(over)

\* Indicates Electric Log tops in the remarks section.

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Sand			1096	1107		
Slate			1107	1164		
Sand			1164	1177		
Slate			1177	1206		
Slate			1206	1213		
Slate			1213	1438		
Sand			1438	1484		
Slate			1484	1523		
<i>Salt</i> Sand			1523	1560		<u>Gas at 1560</u>
Slate & Shells			1560	1757		
Little Lime			1757	1780		
Pencil Cave			1780	1794		
Big Lime			1794	1877		
<u>Big Injun Sand</u>			1877	1932		<u>Gas at 1920</u>
Slate & Shells			1932	1950		
		T.D.		1950		

Date December 19, 19 72

APPROVED CARNEGIE NATURAL GAS COMPANY, Owner

By R. B. Ludwig Geologist  
(Title)



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

RECEIVED  
AUG 30 1972  
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 August 29, 1972

Surface Owner Mary A. Holland

Company Carnegie Natural Gas Company

Address West Union, W. Va.

Address 3904 Main St., Munhall, Pa. 15120

Mineral Owner Leeman Maxwell Hairs

Farm Leeman Maxwell Acres 2164

Address West Union, W. Va.

Location (waters) Bluestone Creek

Coal Owner No commercial coal

Well No. 39-1765 Elevation 1203

Address \_\_\_\_\_

District West Union County Doddridge

Coal Operator \_\_\_\_\_

Quadrangle Holbrook N.B.

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 12-30-72

Robert L. Todd  
Deputy Director - Oil & Gas Division

INSPECTOR TO BE NOTIFIED William Blosser  
Colfax, W.Va. PH: 363-9105

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 March 4 1899 by Leeman and Mary C. Maxwell made to J. A. Connolly and recorded on the 12th day of June 1899, in Doddridge County, Book 14 Page 327

X 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.

Very truly yours, Carnegie Natural Gas Co.  
(Sign Name) [Signature]  
Well Operator Div. Supt.  
3904 Main St.

Address  
of  
Well Operator

Street  
Munhall  
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.

BLANKET BOND

DOD-1688

PERMIT NUMBER

