

LATITUDE 39° 35'

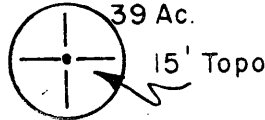
LONGITUDE 80° 30'

2.055  
3.95W

39 33 15  
80 34 25

H. J. MURPHY  
32 Ac.

A. BARR  
39 Ac.



SHIBEN ESTATE  
297.50 Ac.

F. W. BARTLETT  
272 Ac.

Left Fork of  
Richwood Run

Lowman Ridge Rd.

SURFACE-  
Merle Goodrich  
Elyria, Ohio

Minimum Error of Closure 1 in 200

Source of Elevation F. W. Bartlett 5, Elev. 1220.01

- 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: *Curtis A. Lucas*

Map No. N 68 Squares: N 8 S E 3 W

Company	PENNZOIL COMPANY		
Address	P. O. Box 1588, Parkersburg, W. Va. 26101		
Farm	SHIBEN ESTATE		
Tract	Acres 297.50	Gen. File	2061
		Lease No.	
Well (Farm) No.	1	Serial No.	
Elevation (Spirit Level)	1337.43		
Quadrangle	LITTLETON 15'	SE	
County	WETZEL	District	GRANT
Surveyor	CURTIS A. LUCAS		
Surveyor's Registration No.	275		
File No.	1658	Drawing No.	
Date	8-22-77	Scale	1" = 800'

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

WELL LOCATION MAP

FILE NO. WET-629

+ 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.

47-103

BRUNING 44-131 27198

3287' Gordon 60 Fallen Timber (46)

OCT 5 1977



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
Oil and Gas Division

**RECEIVED**

JAN - 4 1978

OIL & GAS DIVISION  
DEPT. OF MINES

**WELL RECORD**

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

Quadrangle Littleton

Permit No. Wet-629

Company <u>Pennzoil Company</u>	Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Address <u>P. O. Box 1588, Parkersburg, WV</u>				
Farm <u>Shiben Estate</u> Acres <u>297.50</u>	26101			
Location (waters) <u>Left Fork of Richwood Run</u>	Size			
Well No. <u>1</u> Elev. <u>1337.43'</u>	20-16			
District <u>Grant</u> County <u>Wetzel</u>	Cond.			
The surface of tract is owned in fee by <u>Merle Goodrich</u>	13-10"			
Address <u>Elyria, Ohio 44035</u>	9 5/8			
Mineral rights are owned by <u>Paul J. Shiben, Atty.</u>	8 5/8			
Address <u>P. O. Box 246, N. Martinsville, WV</u>	7	1545	1545	100 sks.
Drilling Commenced <u>9-14-77</u>	5 1/2			
Drilling Completed <u>9-21-77</u>	4 1/2	3302	3302	120 sks.
Initial open flow <u>10,000</u> cu. ft. <u>1</u> bbls.	3			
Final production <u>6,000</u> cu. ft. per day <u>.80</u> bbls.	2			
Well open _____ hrs. before test _____ RP.	Liners Used			

Well treatment details:

Attach copy of cementing record.

Fractured 10/6/77 w/795 BW, 30,000# frac. Sand, 1000 gal. acid 15%

Coal was encountered at \_\_\_\_\_ Feet \_\_\_\_\_ Inches  
Fresh water \_\_\_\_\_ Feet \_\_\_\_\_ Salt Water \_\_\_\_\_ Feet \_\_\_\_\_  
Producing Sand Fourth Depth \_\_\_\_\_

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Silt & Shale			0	84		
Sand			84	109		
Silt			109	284		
Sand			284	304		
Silt & Shale			304	589		
Siltstone w/shale stringers			589	824		
Sand & Silt			824	866		
Sand			866	974		
Silt			974	1021		
Sand			1021	1038		
Shale & Silt			1038	1075		
Pittsburgh Coal			1075	1088		
Shale & Silt			1088	1211		
Sand			1211	1232		
Silt & Shale			1232	1584		
Big Dunkard			1584	1616		
Shale & Silt			1616	1710		
Sand			1710	1792		
Shale			1792	1877		
Sand			1877	1913		
Shale			1913	1936		
Sand			1936	1956		
Shale			1956	1978		
Sand			1978	2108		

(over)

\* Indicates Electric Log tops in the remarks section.

Formation	Color	Hard or Soft	Top Feet <i>ft</i>	Bottom Feet	Oil, Gas or Water	* Remarks
Shale & Silt			2108	2278		
Little Lime			2278	2282		
Pencil Cave			2282	2306		
Big Lime			2306	2366		
Loyalhanna			2366	2404		
Pocono Big Injun			2404	2560		
Shale & Silt			2560	3070		
Pebble Zone			3070	3076		
Silt & Shale			3076	3128		
Silt			3128	3144		
Gordon			3144	3178		
Shale & Silt			3170	3225		
Fourth Sand			3225	3234		
Silt & Shale			3234	3286		
Pebble Zone			3286	3291		
Shale			3291	3304		
Total Depth				3304		
PBD				3266		

2306  
 1337  


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 969

Date January 3, 19 78

APPROVED Pennzoil Company Owner

By Curtis A. Lucas  
 (Title) Eng. Dept.



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

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

DATE August 23, 1977

Surface Owner Merle Goodrich

Company PENNZOIL COMPANY

Address Elyria, Ohio 44035

Address P. O. Box 1588, Parkersburg, W. Va. 2610

Mineral Owner Paul J. Shiben, Atty.

Farm Shiben Estate Acres 297.50

Address P. O. Box 246, New Martinsville, WV

Location (waters) Left Fork of Richwood Run

Coal Owner \_\_\_\_\_

Well No. 1 Elevation 1337.43'

Address \_\_\_\_\_

District Grant County Wetzel

Coal Operator COAL NOT OPERATED

Quadrangle Littleton 15'

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 12-26-77.

INSPECTOR TO BE NOTIFIED Phillip Tracy

ADDRESS Middlebourn, W. Va.

PHONE 758-4573

[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 December 18, 1973 by Esther Peters made to Consolidated Gas Supply and recorded on the \_\_\_\_\_ day of \_\_\_\_\_ 19\_\_\_\_, in \_\_\_\_\_ County, Book 54 Page 503

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, PENNZOIL COMPANY  
(Sign Name) Curtis A. Lucas  
Well Operator Curtis A. Lucas,  
Civil Eng. Dept.  
P. O. Box 1588  
Street  
Parkersburg,  
City or Town  
West Virginia 26101  
State

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

\*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

WET-629 PERMIT NUMBER

"I have read and understand the reclamation requirements as set forth in Chapter 22, Article 4, Section 12-b and will carry out the specified requirements."

47-103

Signed by Curtis A. Lucas

