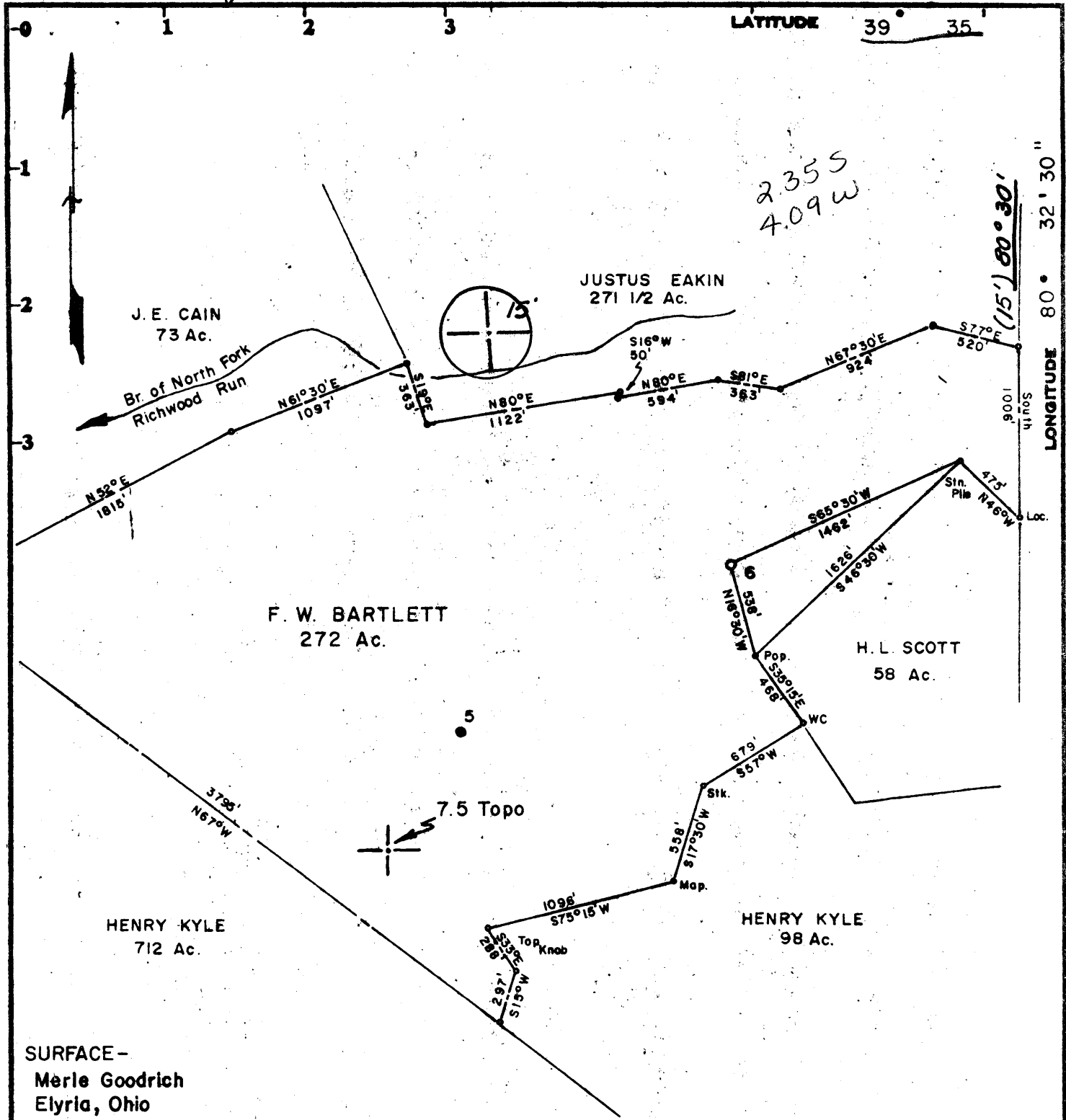


1/7/77 *PL*



2.35 S
4.09 W

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. N58 Squares: N 7 S E 2/3 W

Company	PENNZOIL COMPANY		
Address	P. O. Box 1588, Parkersburg, W. Va. 26101		
Farm	F. W. BARTLETT		
Tract	Acres	Lease No.	272 2675
Well (Farm) No.	6	Serial No.	
Elevation (Spirit Level)	1434.23	SE	
Quadrangle	BIG RUN 7.5, LITTLETON 15'		
County	WETZEL	District	GRANT
Surveyor	CURTIS A. LUCAS		
Surveyor's Registration No.	275		
File No.	1631	Drawing No.	
Date	7-1-77	Scale	1" = 800'

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

WELL LOCATION MAP

FILE NO. WET-623

+ 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

3644 - Fifth Sand

JUL 27 1977



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division

WELL RECORD 35

RECEIVED

NOV 3 - 1977

OIL & GAS DIVISION
DEPT. OF MINES

Quadrangle Big Run 7.5'
Permit No. Wet-623-Rev.

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

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 26101</u>				
Farm <u>F. W. Bartlett</u> Acres <u>272</u>	Size			
Location (waters) <u>Richwood Run of Fishing Crk.</u>	20-16			
Well No. <u>6</u> Elev. <u>1484.42'</u>	Cond.			
District <u>Grant</u> County <u>Wetzel</u>	13-10"			
The surface of tract is owned in fee by _____	9 5/8			
<u>Mr. Merle Goodrich</u>	8 5/8			
Address <u>925 E. Broad, Elyria, Ohio 44035</u>	7	1740	1740	250 sks.
Mineral rights are owned by <u>Pennzoil Company</u>	5 1/2			
Address <u>Parkersburg, WV 26101</u>	4 1/2	3460	3460	120 sks.
Drilling Commenced <u>8-13-77</u>	3			
Drilling Completed <u>8-19-77</u>	2			
Initial open flow <u>8,000</u> cu. ft. <u>7</u> bbls.	Liners Used			
Final production <u>6,000</u> cu. ft. per day <u>4</u> bbls.				
Well open _____ hrs. before test _____ RP.				

Well treatment details:

Attach copy of cementing record.

Fractured 8-25-77 w/724 BW, 27,000# sd., 1000 gal. acid 15%

Coal was encountered at _____ Feet _____ Inches
Fresh water _____ Feet _____ Salt Water _____ Feet _____
Producing Sand Fourth & Gordon Depth _____

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Shale			0	130		
Sand			130	138		
Shale & Silt			138	242		
Sand			242	266		
Shale			266	287		
Sand			287	296		
Shale & Silt			296	530		
Sand			530	541		
Shale			541	773		
Sand			773	800		
Slate			800	1062		
Sand			1062	1122		
Shale Break			1122	1130		
Sand			1130	1187		
Slate			1187	1228		
Pittsburgh Coal			1228	1240		
Shale & Silt			1240	1651		
Sand			1651	1667		
Slate			1667	1747		
Sand			1747	1763		
Slate			1763	1780		
Salt Sand			1780	1935		
Shale			1935	2021		
Salt Sand			2021	2078		

3460
2729
731 Expt. Foot.

2062
1497
7-200

(over)

* Indicates Electric Log tops in the remarks section.

Formation	Color	Hard or Soft	Top Feet 35	Bottom Feet	Oil, Gas or Water	* Remarks
Slate			2078	2108		
Salt Sand			2108	2174		
Shale			2174	2261		
Sand			2261	2282		
Slate			2282	2434		
Little Lime			2434	2448		
Pencil Cave			2448	2462		
Big Lime			2462	2519		
Loyalhanna			2519	2560		
Pocono Big Injun			2560	2729		
Shale			2729	3071		
Berea			3071	3114		
Shale			3114	3306		
Gordon			3306	3338		
Shale			3338	3383		
<u>Fourth</u>			3383	3444		
Shale			3444	3460		
Total Depth				3460		

Date November 1, 1977

APPROVED PENNZOIL COMPANY Owner

By Clinton A. Lucas
(Title)



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
Oil and Gas Division

RECEIVED

JUL - 7 1977

OIL & GAS DIVISION
DEPT. OF MINES

OIL AND GAS WELL PERMIT APPLICATION

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

DATE July 6, 1977

Surface Owner Mr. Merle Goodrich

Company PENNZOIL COMPANY

Address 925 E. Broad, Elyria, Ohio 44035

Address P. O. Box 1588, Parkersburg, W. Va. 26101

Mineral Owner Pennzoil Company

Farm F. W. Bartlett Acres 272

Address Parkersburg, W. Va. 26101

Location (waters) Richwood Run of Fishing Crk.

Coal Owner _____

Well No. 6 Elevation 1434.23

Address _____

District Grant County Wetzel

Coal Operator COAL NOT OPERATED

Quadrangle Big Run 7.5'

Address _____

THIS PERMIT MUST BE POSTED AT THE WELL SITE

If 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 11-8-77.

INSPECTOR
TO BE NOTIFIED Phillip Lee Tracy

ADDRESS Middlebourn, W. Va.

PHONE 758-4573

Robert L. Ford
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 June 8, 1901 by F. W. Bartlett et ux made to Carter Oil Company and recorded on the _____ day of _____ 19____, in _____ County, Book 65 Page 233

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 Engineering D
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-623 PERMIT NUMBER
47-103

"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."

Signed by Curtis A. Lucas



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

RECORDED
AUG 9 1977
OIL AND GAS DIVISION
DEPT. OF MINES

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

DATE August 8, 1977

Surface Owner Mr. Merle Goodrich

Company PENNZOIL COMPANY

Address 925 E. Broad, Elyria, Ohio 44035

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

Mineral Owner Pennzoil Company

Farm F. W. Bartlett Acres 272

Address Parkersburg, W. Va. 26101

Location (waters) Richwood Run of Fishing Creek

Coal Owner

Well No. 6 Elevation 1484.42'

Address

District Grant County Wetzel

Coal Operator COAL NOT OPERATED

Quadrangle Big Run 7.5'

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 12-12-77.

INSPECTOR Phillip Tracy

TO BE NOTIFIED

ADDRESS Middlebourn, W.Va.

PHONE 758-4573

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 June 8, 1901 by F. W. Bartlett et ux made to Carter Oil Company and recorded on the day of 19 in County, Book 65 Page 233

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.

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, 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

*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.

WET-623-REV 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."

Signed by Curtis A. Lucas

47-103

