

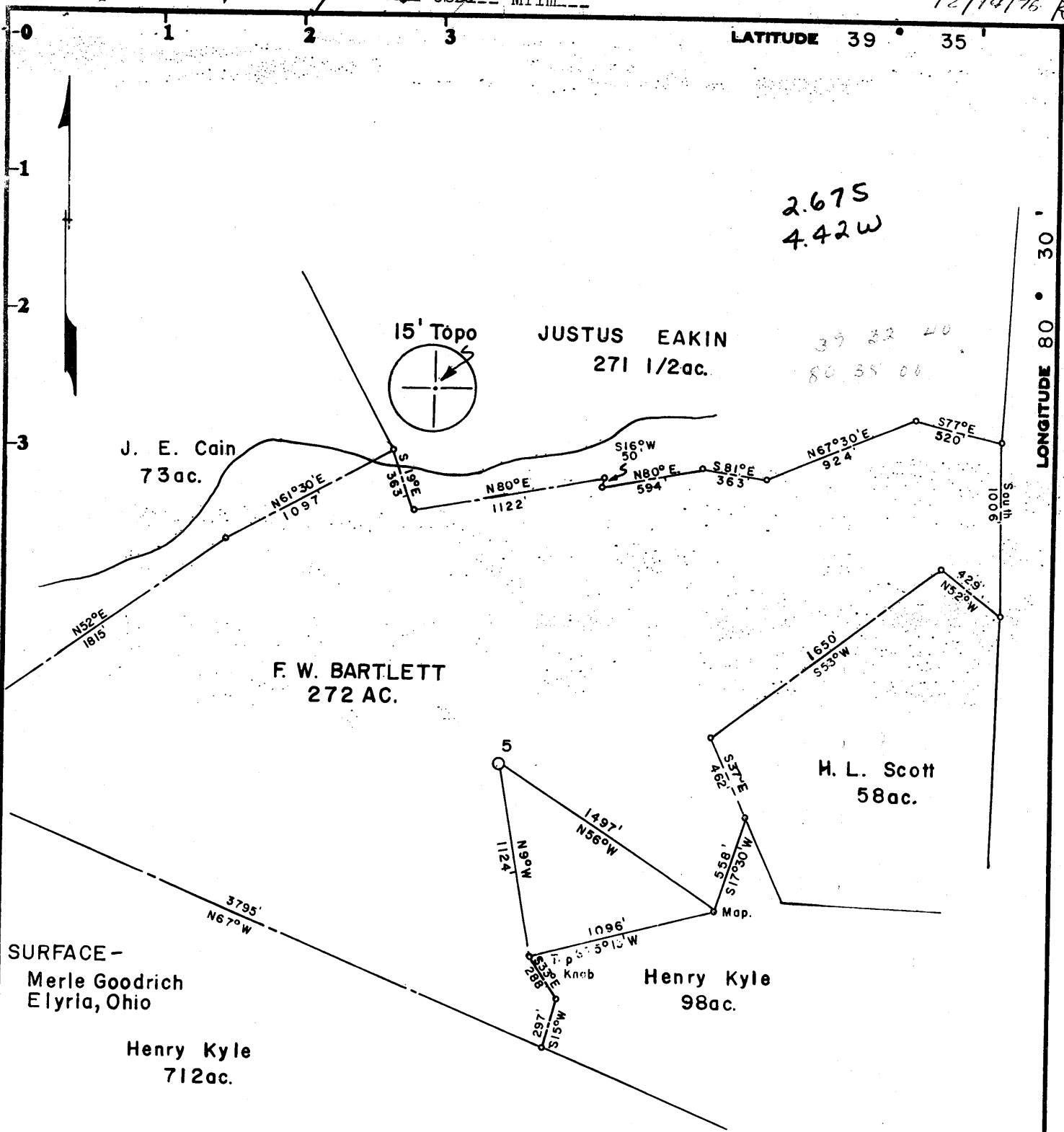
12/19/76

LATITUDE 39° 35'

LONGITUDE 80° 30'

2.67S
4.42W

39 22 40
80 35 00



Minimum Error of Closure 1 in 200

Source of Elevation BM USC&G N129-1957, elev. 1368.00

- 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 E2-3 W

Company	PENNZOIL COMPANY	
Address	P. O. Box 1588, Parkersburg, W. Va. 26101	
Farm	F. W. BARTLETT	
Tract	Acres <u>272</u>	Lease No. <u>2675</u>
Well (Farm) No.	<u>5</u>	Serial No. _____
Elevation (Spirit Level)	<u>1220.01</u>	
Quadrangle	<u>LITTLETON 15'</u>	<u>SE</u>
County	<u>WETZEL</u>	District <u>GRANT</u>
Surveyor	<u>CURTIS A. LUCAS</u>	
Surveyor's Registration No.	<u>275</u>	
File No.	<u>1631</u>	Drawing No. _____
Date	<u>12-10-76</u>	Scale <u>1" = 800'</u>

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

WELL LOCATION MAP
FILE NO. WET-613

+ 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

3425' Big Inquiries ~~Fallen Timber~~
~~3425'~~

(045)

DEC 20 1976



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

Quadrangle Littleton
Permit No. Wet-613

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

Company Pennzoil Company
Address P. O. Box 1588, Parkersburg, W. Va.
Farm F. W. Bartlett Acres 272
Location (waters) Richwood Run of Fishing Crk.
Well No. 5 Elev. 1220.01'
District Grant County Wetzel
The surface of tract is owned in fee by _____
Mr. Merle Goodrich
Address 925 E. Broad, Elyria, Ohio 44035
Mineral rights are owned by Pennzoil Company
Address _____
Drilling Commenced 12-18-76
Drilling Completed 12-31-76
Initial open flow 80 M cu. ft. 12 bbls.
Final production 75 M cu. ft. per day (8) bbls.
Well open _____ hrs. before test _____ RP.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 20-16			
Cond. 13-10"			
9 5/8			
8 5/8			
7	1476	1476	100 sks.
5 1/2			
4 1/2	3419	3419	170 sks.
3			
2			
Liners Used			

Well treatment details:

Attach copy of cementing record.

Fractured: 3-12-77 w/31,500# Frac. Sd., 1,500 Gal. HCL, 810 BW

Coal was encountered at _____ Feet _____ Inches
Fresh water _____ Feet _____ Salt Water _____ Feet
Producing Sand Fifth Depth _____

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Salt Sand			1890	2014		
Shale			2014	2180		
Little Lime			2180	2194		
Pencil			2194	2208		
Big Lime			2208	2268		
Loyalhanna Injun			2268	2310		
Pocono Injun			2310	2478		
Pocono Shale			2478	3054		
Gordon			3054	3085		
Shale			3085	3132		
4th Sand			3132	3144		
Shale			3144	3385		
5th Sand			3385	3392		
Shale			3392	3423		
Total Depth				3423		
PBD				3396		
			<u>3423</u> <u>3084</u> <u>369 EXPL FOOTAGE</u>			<u>2208</u> <u>1220</u> <u>2988</u>
						<u>3423</u> <u>2478</u> <u>945' Expl Footage</u>

(over)

* Indicates Electric Log tops in the remarks section.



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

RECEIVED

DEC 13 1976

OIL & GAS DIVISION
DEPT. OF MINES

DEC 25 1976

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

DATE December 13, 1976

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.

Location (waters) Richwood Run of Fishing Crk.

Coal Owner _____

Well No. 5 Elevation 1220.01'

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 4-14-77.

INSPECTOR TO BE NOTIFIED Wm. Blosser

ADDRESS Colfax, W. Va.

PHONE Fairmont - 363-9105

Robert [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 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.

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,
P. O. Box 1588, Civil Engineering
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.

BLANKET BOND

WET-613 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

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

PROPOSED WORK ORDER TO X DRILL _____ DEEPEN _____ FRACTURE-STIMULATE _____
 DRILLING CONTRACTOR: (If Known) RESPONSIBLE AGENT:
 NAME F. W. A. NAME Pennzoil Company
 ADDRESS _____ ADDRESS Parkersburg, West Virginia 26101
 TELEPHONE _____ TELEPHONE 422-6565
 ESTIMATED DEPTH OF COMPLETED WELL: 3425 ROTARY X CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Big Injun
 TYPE OF WELL: OIL X 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			
9 - 5/8			
8 - 5/8	1420	1420	Cement to surface
7			
5 1/2			
4 1/2	3425	3425	w/50 sks.
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS _____ FEET _____ SALT WATER _____ FEET _____
 APPROXIMATE COAL DEPTHS _____
 IS COAL BEING MINED IN THE AREA? _____ 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