



Surface:
 A.L. Reynolds, Agent
 1808 23rd St.
 Parkersburg, WV 26101

Minimum Error of Closure 1 in 200
 Sources of Elevation USGS BM, Montgomery Hill Elev. 946.44'

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. N21 Squares: N 8 3 E W 40

Company	PENNZOIL COMPANY		
Address	P. O. Box 1588, Parkersburg, W. Va. 26101		
Farm	A.L. REYNOLDS		
Tract	Acres	Lease No.	
	195	83003	
Well (Farm) No.	2	Serial No.	
Elevation (Spirit Level)	936.99'		
Quadrangle	WILLOW ISLAND 7.5'		
County	WOOD	District	WALKER
Surveyor	CURTIS A. LUCAS		
Surveyor's Registration No.	275		
File No.	1705	Drawing No.	
Date	11/10/80	Scale	1" = 1000'

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

WELL LOCATION MAP

FILE NO. 107-1100

+ 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.

BRUNING 44-131 27198



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STATE OF WEST VIRGINIA OIL & GAS DIVISION
DEPARTMENT OF MINES DEPT. OF MINES

Oil and Gas Division

WELL RECORD - 8

Quadrangle Willow Island 7.5'

Permit No. 47-107-1100

Rotary Oil
Cable _____ Gas _____
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>	Size			
Farm <u>A. L. Reynolds</u> Acres <u>195</u>	20-16			
Location (waters) <u>North Fork of Stillwell Creek</u>	Cond.			
Well No. <u>2</u> Elev. <u>936.99'</u>	13-10"			
District <u>Walker</u> County <u>Wood</u>	9 5/8			
The surface of tract is owned in fee by _____	8 5/8	259	259	130 sks
<u>Marie G. Reynolds, Agt., et al</u>	7			
Address <u>1808-23rd St., Parkersburg, WV</u>	5 1/2			
Mineral rights are owned by <u>Same as above</u>	4 1/2	2402	2402	75 sks
Address _____	3			
Drilling Commenced <u>1-8-81</u>	2			
Drilling Completed <u>1-12-81</u>	Liners Used			
Initial open flow <u>14,000</u> cu. ft. <u>3</u> bbls.				
Final production <u>12,000</u> cu. ft. per day <u>2</u> bbls.				
Well open _____ hrs. before test _____ RP.				

Well treatment details:

Attach copy of cementing record.

Coal was encountered at _____ Feet _____ Inches
Fresh water _____ Feet _____ Salt Water _____ Feet _____
Producing Sand Berea Depth 2360

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Sand & Shale			0	64		
Shale & Silt			64	358		
Sand			358	393		
Silt & Sand			393	452		
Shale & Silt			452	610		
Sand			610	640		
Silt & Sand			640	1140		
Shale			1140	1187		
Cow Run			1187	1226		
Shale			1226	1246		
Salt Sand			1246	1290		
Shale			1290	1342		
Sand			1342	1364		
Shale			1364	1395		
Salt Sand			1395	1504		
Shale Break			1504	1532		
Salt Sand			1532	1578		
Shale & Silt			1578	1648		
Sand			1648	1674		
Shale			1674	1708		
Salt Sand			1708	1752		
Shale			1752	1798		
Salt Sand			1798	1866		
Pocono Big Injun			1866	1966		

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Formation	Color	Hard or Soft	Top Feet ²⁵	Bottom Feet	Oil, Gas or Water	Remarks
Pocono Shale			1966	2349		
Coffee Shale			2349	2356		
Berea			2356	2360		
Shale			2360	2412		
Total Depth				2412		

Date April 15 19 81

APPROVED PENNZOIL COMPANY Owner

Curtis L. Russell
Supervisor, Surveying & Mapping



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STATE OF WEST VIRGINIA
DEPARTMENT OF MINES 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 November 11, 1980

Surface Owner Marie G. Reynolds, Agt., et al
Address 1808 23rd St., Parkersburg, WV
Mineral Owner Same as Above
Address _____
Coal Owner NO COMMERCIAL COAL
Address _____
Coal Operator _____

Company Pennzoil Company
Address P. O. Box 1588, Parkersburg, WV
Farm A. L. Reynolds Acres 195
Location (waters) N. Fk. of Stillwell Crk.
Well No. 2 Elevation 936.9'
District Walker County Wood
Quadrangle Willow Island 7.5'

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 7-17-81

INSPECTOR
TO BE NOTIFIED K. Paul Goodnight
ADDRESS Smithville, WV 26178
PHONE 477-3660

[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 title thereto, (or as the case may be) under grant or lease dated November 29, 1972 by Marie G. Reynolds, et al made to Pennzoil Company and recorded on the _____ day of _____ 19____, in _____ County, Book 610 Page 124

X NEW WELL _____ DRILL DEEPER _____ REDRILL _____ FRACTURE OR STIMULATED
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 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

Very truly yours, PENNZOIL COMPANY
(Sign Name) Curtis A. Lucas
Well Operator Curtis A. Lucas
Civil Eng. Dep
Address P. O. Box 1588
Street
of Parkersburg,
Well Operator 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 notice and plat by the department of mines, to said proposed location, the department shall forthwith issue to the well operator a permit to the mine 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

47-107-1100

PERMIT NUM

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

PROPOSED WORK ORDER TO DRILL _____ DEEPEN _____ FRACTURE STIMULATE _____
 DRILLING CONTRACTOR W. K. Kinnaird RESPONSIBLE AGENT _____
 NAME _____ NAME Pennzoil Company
 ADDRESS _____ ADDRESS Parkersburg, WV 26101
 TELEPHONE _____ TELEPHONE 422-6565
 ESTIMATED DEPTH OF COMPLETED WELL 2400' ROTARY CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Berea
 TYPE OF WELL: OIL GAS _____ COMB _____ STORAGE _____ DISPOSAL _____
 RECYCLING _____ WATER FLOOD _____ OTHER _____

TENTATIVE CASING PROGRAM

CASING AND TUBING SIZE	USED FOR DRILLING	LIFT IN WELL	CEMENT FILL UP OR SACKS - CURRIT
20 - 15			
13 - 10			
9 - 5 3/8			
8 - 5 3/8	250'	250'	Cement to Surface
7			
5 1/2			
4 1/2	2400'	2400'	
3			Perf. Top
2			Perf. Bottom
1 1/2			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS _____ FEET SALT WATER _____ FEET
 APPROXIMATE COAL DEPTHS _____
 IS COAL BEING MINED IN THE AREA? None BY WHOM? _____

TO DRILL:

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

TO DRILL DEEPER OR REDRILL:

SUBMIT FIVE (5) COPIES OF CG - 1, SHOWING ORIGINAL PERMIT NUMBER AND PERFORMANCE BOND. 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 CG - 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 CG - 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 48 hours in advance.

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

WAIVER: I the undersigned, Agent for _____ Coal Company, Owner or Operator of the coal 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