



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: A. C. Willett  
 Map No. N18 Squares: N S 14 E W 1

Minimum Error of Closure 1' in 200'  
 Source of Elevation Edith Stout Well #5, Elev. 906.55' ground.

Company PENNZOIL COMPANY  
 Address P. O. BOX 1588, PARKERSBURG, W. VA.  
 Farm L. E. Williams  
 Tract Acres 290± Lease No. 81928  
 Well (Farm) No. 4 Serial No. \_\_\_\_\_  
 Elevation (Spirit Level) 1043.38' ground  
 Quadrangle Vadis - NC  
 County Doddridge District Greenbrier  
 Engineer A. C. Willett  
 Engineer's Registration No. 2534  
 File No. 1437 Drawing No. \_\_\_\_\_  
 Date May 4, 1966 Scale 1" = 800'

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

**WELL LOCATION MAP**  
 FILE NO. DOD-1377

† 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.



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION

- Rotary
- Spudder
- Cable Tools
- Storage

Quadrangle VADIS  
Permit No. DOD-1377

**WELL RECORD**

Oil or Gas Well Oil  
(MND)

Company PENNZOIL COMPANY  
Address P.O. Box 1588, Parkersburg, W. Va.  
Farm L. E. Williams Acres 290  
Location (waters) \_\_\_\_\_  
Well No. 4 Elev. 1043.38'  
District Greenbrier County Doddridge  
The surface of tract is owned in fee by Thurmond Stout  
Route No. 1 Address Salem, W. Va.  
Mineral rights are owned by Edison E. Ritter  
153 Valley St. Address Salem, W. Va.  
Drilling commenced May 20, 1966  
Drilling completed May 29, 1966  
Date Shot \_\_\_\_\_ From \_\_\_\_\_ To \_\_\_\_\_  
With \_\_\_\_\_  
Open Flow \_\_\_\_\_ /10ths Water in \_\_\_\_\_ Inch  
\_\_\_\_\_ /10ths Merc. in \_\_\_\_\_ Inch  
Volume \_\_\_\_\_ Cu. Ft.  
Rock Pressure \_\_\_\_\_ lbs. \_\_\_\_\_ hrs.  
Oil \_\_\_\_\_ bbls., 1st 24 hrs.  
WELL ACIDIZED \_\_\_\_\_  
WELL FRACTURED \_\_\_\_\_

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			Steel Shoe
13 8-5/8"	838		Size of
10			10-3/4" x 8-5/8"
8 1/4"			Depth set
6 5/8"			838'
5 3/16"			Perf. top
3			Perf. bottom
2			Perf. top
Liners Used			Perf. bottom

CASING CEMENTED 8-5/8" SIZE 838' No. Ft. 5/23/66 Date

COAL WAS ENCOUNTERED AT \_\_\_\_\_ FEET \_\_\_\_\_ INCHES  
\_\_\_\_\_ FEET \_\_\_\_\_ INCHES  
\_\_\_\_\_ FEET \_\_\_\_\_ INCHES

RESULT AFTER TREATMENT \_\_\_\_\_ PLUG AND ABANDON \_\_\_\_\_  
ROCK PRESSURE AFTER TREATMENT \_\_\_\_\_  
Fresh Water \_\_\_\_\_ Feet \_\_\_\_\_ Salt Water \_\_\_\_\_ Feet \_\_\_\_\_

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Silts & Shale			0	440			
and			440	470			
Silts & Shale			470	790			
Pittsburgh Coal			790	797			
Shale			797	833			
and			833	888			
Silts & Sand			888	1205			
and			1205	1215			
Shale & Silts			1215	1325			
Dark Sand			1325	1370			
Shale & Silts			1370	1680			
Salt Sand			1680	1755			
Shale			1755	1830			
Salt Sand			1830	1885			
Shale			1885	1912			
Saxton			1912	1945			
Shale			1945	2084			
Little Lime			2084	2106			
Pencil Cave			2106	2124			
Big Lime			2124	2186			
Big Injun			2186	2265			
Shale			2265	2335			
Total Depth				2335'			

