



- 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. Hilbert

Map No. N17      Squares:    N      S 18    E      W 8

Company	PENNZOIL COMPANY
Address	P.O. Box 1588, Parkersburg, W.Va.
Farm	ALBERT PERCY
Tract	Acres 375    Lease No. <sup>31413</sup> 31414
Well (Farm) No.	14    Serial No.
Elevation (Spirit Level)	977.98' ground
Quadrangle	VADIS - NW
County	Doddridge District New Milton
Engineer	A.C. Hilbert
Engineer's Registration No.	2534
File No.	887    Drawing No.
Date	May 15, 1964    Scale 1" = 800'

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

**WELL LOCATION MAP**

FILE NO. DOD-1131

† 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

Quadrangle VADIS

Permit No. DOD-1131

WELL RECORD

Oil or Gas Well Oil & Gas  
(KIND)

Company PENNZOIL COMPANY  
Address P. O. Box 1588, Parkersburg, W. Va.  
Farm Albert Percy Acres 375  
Location (waters) Right Fk. of Right Fk. of Toms Run  
Well No. 14 Elev. 977.98  
District New Milton County Doddridge  
The surface of tract is owned in fee by Paul W. Clevenger  
Address Smithville, W. Va.  
Lyle B. Hornor & Co., Realtor  
Agent  
Mineral rights are owned by Goff Building Address Clarksburg, W. Va.  
Drilling commenced June 4, 1964  
Drilling completed June 14, 1964  
Date Shot - From - To -  
With -  
Open Flow - /10ths Water in - Inch  
- /10ths Merc. in - Inch  
Volume Show Oil & Gas (Drilled w/Rotary) Cu. Ft.  
Rock Pressure - lbs. - hrs.  
Oil - bbls., 1st 24 hrs.  
WELL ACIDIZED -

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16			Kind of Packer
13			Steel Shoe
10			Float Collar
8 5/8"	330'	330'	Guide Shoe
6 3/8"			Size of
5 1/2"	2040'	2040'	5 1/2"
3			Depth set
2			330'
Liners Used			2040'
			Perf. top
			Perf. bottom
			Perf. top
			Perf. bottom

CASING CEMENTED 8 5/8" SIZE 330 No. Ft. 6/4/64 Date  
5 1/2" 2040 6/14/64

COAL WAS ENCOUNTERED AT 813 FEET 24 INCHES  
FEET INCHES FEET INCHES  
FEET INCHES FEET INCHES

WELL FRACTURED 6/22/64 - Used: 46,000 Gals. Water, 55,000 Lbs. 20-40 Sand, 250 Gals. MCA Acid, 100 Lbs. WAC-10, 20 Gals. Howco Suds, 10 Gals. Hyflo and 60 Gals. Morflo  
RESULT AFTER TREATMENT Gas - 150,000 Cu. Ft.  
Oil - 20 Bbls.  
ROCK PRESSURE AFTER TREATMENT 450 Lbs.  
Fresh Water - Feet Salt Water - Feet

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Rock & Shale			0	70			
Sandstone			70	90			
Rock & Shale			90	190			
Sand & Shale			190	270			
Rock & Shale			270	310			
Sandy Shale			310	322			
White Sand			322	330			
Sand			330	360			
Sandy Shale			360	470			
Sandy Lime			470	495			
Shale & R. Rock			495	725			
Sandstone			725	795			
Sandy Shale			795	813			
Coal			813	815			
Shale & R. Rock			815	930			
Sandstone			930	1000			
Shale & R. Rock			1000	1110			
Sandy Lime			1110	1155			
Shale & Lime			1155	1300			
Sand & Lime			1300	1345			
Sandy Lime			1345	1415			
Sandstone			1415	1425			
Lime & Shale			1425	1790			
Little Lime			-1790	1815			
Blue Monday			1815	1843			
Sandy Lime			-1843	1896			
Sandy Injun			1896	1977			
Sandstone			1977	2040			
TOTAL DEPTH				2040			

