

Source of Elevation U.S.G.S. Bronze Tablet, 88' South of Ref. mark
 at R.R. Spike in base of 20" Hy. Tree, El. 1226.0'

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 17 E W 8

- Fracture.....
- New Location.....
- Drill Deeper.....
- Abandonment.....

Company	PENNZOIL COMPANY
Address	P.O. Box 1588, Parkersburg, W.Va.
Farm	W.M. STOUT
Tract	Acres 340 Lease No. 80790
Well (Farm) No.	18 Serial No.
Elevation (Spirit Level)	1136.04' ground
Quadrangle	VADIS NW
County	DODDRIDGE District NEW MILTON
Engineer	<i>A.C. Hilbert</i>
Engineer's Registration No.	2534
File No.	1381 Drawing No.
Date	July 6, 1964 Scale 1"=800'

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

WELL LOCATION MAP

FILE NO. DOD-1155

+ 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 3

Quadrangle Vadis

Permit No. DOD-1155

WELL RECORD

Oil or Gas Well Oil & Gas
(KIND)

Company PENNZOIL COMPANY
Address P. O. Box 1588, Parkersburg, W. Va.
Farm W. M. Stout Acres 340
Location (waters) Webley Fork
Well No. 18 Elev. 1136.04
District New Milton County Doddridge
The surface of tract is owned in fee by Sherman Stout
Address Blandville, W. Va.
Mineral rights are owned by Union National Bank, Trustee
(Smith and Morris)
Address Clarksburg, W. Va.
Drilling commenced July 24, 1964
Drilling completed August 6, 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"	239.09'	239.09'	Guide Shoe
6 3/4"			Size of Packer
5 1/2"	2135.41'	2135.41'	5 1/2"
5 1/4"			Depth set
3			2090'
2			2120'
Liners Used			Perf. top
			Perf. bottom
			Perf. top
			Perf. bottom

CASING CEMENTED 8 5/8" SIZE 236.00 No. Ft. 7/29/64 Date
5 1/2" 400.00 8/7/64

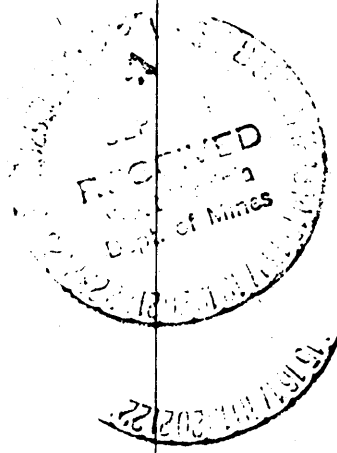
COAL WAS ENCOUNTERED AT - FEET INCHES
FEET INCHES FEET INCHES
FEET INCHES FEET INCHES

WELL FRACTURED 8/18/64 - Used: 1,400 Bbls. Water, 500 Lbs. WAC-8, 30 Gals. Howco Suds, 50 Gals. Mor-flo, 500 Gals. MCA Acid, 65,000 Lbs. 20-40 Sand, 10 Gals. Hy-flo and 10 Perf Balls

RESULT AFTER TREATMENT Gas - 200 MCF per day
Oil - 12 Bbls. per day
ROCK PRESSURE AFTER TREATMENT 300 Lbs.

Fresh Water - Feet Salt Water - Feet

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
SEE ATTACHED SHEET FOR FORMATION RECORD							



(37)

FORMATION RECORD

KIND	TOP	BOTTOM	STEEL LINE MEAS.	TEST	KIND	TOP	BOTTOM	STEEL LINE MEAS.	TEST
Brown Rock & Shale	0	40							
Sand	40	66							
Shale	66	92							
Sandy Shale & Red Rock	92	140							
Shale & R.Rock	140	180							
Sand	180	235							
Sand	235	255							
Sandy Shale	255	290							
Sand	290	335							
Sand & Shale	335	360							
Shale & R.Rock	360	390							
Sandy Shale	390	460							
Sand	460	570							
Sandy Shale	570	685							
Sand	685	705							
Sandy Shale	705	750							
Red Rock	750	760							
Sandy Shale	760	855							
Sand	855	890							
Shale	890	930							
Sandy Shale	930	1264							
Shale	1264	1304							
Sand	1304	1365							
Sandy Shale	1365	1400							
Sand & Shale	1400	1705							
Sand	1705	1738							
Shale & Sandy Lime	1738	1870							
Little Lime	1870	1896							
Blue Monday	1896	1914							
Pencil Cave	1914	1921							
Big Lime	1921	1975							
Big Injun Sand	1975	2062							
Pay Zone	2022	2034							
Pay Zone	2037	2051							
Sandy Shale	2062	2120							
TOTAL DEPTH		2120	2120						

RECEIVED
 SEP 1 1964
 LAND-LEASE
 RECORDS DEPT.

Date September 2, 1964

APPROVED PENNZOIL COMPANY, Owner

By George W. Wilsman
 George W. Wilsman, (Title) Manager
 Land-Lease Records Department