

Minimum Error of Closure 1' in 200'

Source of Elevation Pennzoil Well No. 11 Albert Percy,
ground elev. 1084.98'

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.

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

Signed: A.C. Hillcut

Map No. N 17 Squares: N S 18 E W 8

Company PENNZOIL COMPANY
 Address P.O. Box 1588, Parkersburg, W. Va.
 Farm ALBERT PEARCY
 Tract _____ Acres 375 Lease No. 31413
 Well (Farm) No. 12 Serial No. _____
 Elevation (Spirit Level) 1134.71' ground
 Quadrangle VADIS - NW
 County DODDRIDGE District NEW MILTON
 Engineer A.C. Hillcut
 Engineer's Registration No. 2534
 File No. 887 Drawing No. _____
 Date April 15, 1964 Scale 1" = 800'

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

WELL LOCATION MAP

FILE NO. DOD-1122

+ 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 6

Quadrangle VADIS

Permit No. DOD-1122

WELL RECORD

Oil or Gas Well O & G
(KIND)

Company PENNZOIL COMPANY
Address P. O. Box 1588, Parkersburg, W. Va.
Farm Albert Pearcy Acres 375
Location (waters) Right Fork of Toms Run
Well No. 12 Elev. 1134.71
District New Milton County Doddridge
The surface of tract is owned in fee by Paul W. Clevenger
Address Smithville, W. Va.
Mineral rights are owned by Lyle B. Horner & Co.,
Realtor, Agent
Goff Building Address Clarksburg, W. Va.

Drilling commenced May 11, 1964
Drilling completed May 18, 1964
Date Shot - From To
With

Open Flow /10ths Water in Inch
/10ths Merc. in Inch

Volume Show of Oil & Gas (Drilled w/Rotary) cu. Ft.
Rock Pressure lbs. hrs.

Oil bbls., 1st 24 hrs.
WELL ACIDIZED

WELL FRACTURED 5/26/64 - Used: 1,400 Bbl. Water, 75,000 Lbs. 20-40 Sand, 750 Gal. MCA Acid,
250 Lbs. WAC-10, 30 Gal. Howco Suds, 15 Gal. Hyflo and 15 Gal. Mor-flo

RESULT AFTER TREATMENT Gas = 175,000 Cu. Ft.
Oil = 15 Bbl.
ROCK PRESSURE AFTER TREATMENT 700 Lbs.

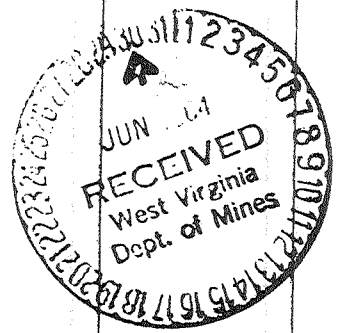
Fresh Water - Feet Salt Water Feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16			Kind of Packer
13			Steel Shoe
10			Float Collar
8 5/8"	456'	456'	Guide Shoe
6 3/4"			Size of
4 1/2"	2146'05"	2146'05"	4 1/2"
3			Depth set
2			2146'
Liners Used			Perf. top
			Perf. bottom
			Perf. top
			Perf. bottom

CASING CEMENTED 8 5/8" SIZE 456 No. Ft. 5/12/64 Date
4 1/2" 2146 5/19/64

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

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Red Shale			0	20			
Sand			20	25			
Shale			25	44			
Red Shale			44	50			
Sand			50	55			
Shale & Sand			55	76			
Sand			76	85			
Shale			85	95			
Sand & Shale			95	155			
Red & Grey Shale			155	215			
Sand			215	238			
Grey Shale			238	275			
Sand			275	285			
Shale			285	305			
Red & Grey Shale			305	340			
Shale			340	345			
Shale & R. Rock			345	426			
Grey & White Sand			426	456			
Sand			456	480			
Shale & Sand			480	926			
Sand & Shale			926	1090			
Shale			1090	1135			
Sand & Shale			1135	1285			
Sand			1285	1320			
Shale & R. Rock			1320	1340			
Sandy Shale			1340	1405			
Sand			1405	1485			
Sand & Shale			1485	1531			
Sand			1531	1575			
Sand & Shale			1575	1665			



Formation	Color	Hard or Soft	Top 6	Bottom	Oil, Gas or Water	Depth Found	Remarks
Sand			1665	1730			
Sand & Shale			1730	1838			
Sandy Shale			1838	1897			
Sand			1897	1903			
Little Lime			1903	1917			
Grey Silt Stone			1917	1928			
Blue Monday			1928	1956			
Big Lime			1956	2013			
Big Injun			2013	2098			
Pay Section			2055	2098			
Shale			2098	2153			
TOTAL DEPTH				2153			



Date June 26, 19 64

APPROVED PENNZOIL COMPANY. Owner

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