

Minimum Error of Closure 1' in 200'

Source of Elevation USGS BM stamped "77 JJS 1955 740"

Along Sigman Fork of Legg Fork, Elev. 739.88

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. Hillbert

Map No. 91W Squares: N S 65 E W 56

Company <u>PENNZOIL UNITED, INC.</u>	
Address <u>Box 1588, Parkersburg, W. Va.</u>	
Farm <u>HAYNES UNIT NO. 1</u>	
Tract _____	Acres <u>85</u>
Lease No. _____	
Well (Farm) No. <u>1</u>	Serial No. _____
Elevation (Spirit Level) <u>755.35</u>	
Quadrangle <u>Charleston</u>	
County <u>KANAWHA</u>	District <u>POCA</u>
Engineer <u>A.C. Hillbert</u>	
Engineer's Registration No. <u>2534</u>	
File No. <u>1481</u>	Drawing No. _____
Date <u>NOV. 7, 1968</u> Scale <u>1" = 400'</u>	

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

WELL LOCATION MAP

FILE NO. Kan-2331

+ 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.

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

Rotary
Spudder
Cable Tools
Storage

Quadrangle CHARLESTON

Permit No. KAN-2331

WELL RECORD

Oil or Gas Well Oil
(KIND)

Company PENNZOIL UNITED, INC.
Address P. O. Box 1588, Parkersburg, W. Va.
Farm Haynes Unit No. 1 Acres 85
Location (waters) Sigman Fork
Well No. 1 Elev. 755.35
District Poca County Kanawha
The surface of tract is owned in fee by Orville D. Haynes, etal
2401 Sissonville Drive
Address, Charleston, W. Va.
Mineral rights are owned by Orville D. Haynes, etal
2401 Sissonville Drive
Address, Charleston, W. Va.
Drilling commenced November 18, 1968
Drilling completed December 2, 1968
Date Shot - From - To -
With -

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16.			Kind of Packer Guide Shoe, Insert Float Valve, Guide Shoe, Float Collar
13.-3/8"	40.50		Size of 8-5/8", 8-5/8"
8-5/8"	1734.47		5-1/2", 5-1/2"
8 1/4 5-1/2"	5576.13		Depth set 1735.47,
6 3/4			1703.42, 5576.13,
5 3/16			5544.23
4 1/2			Perf. top
3			Perf. bottom
2			Perf. top
Liners Used			Perf. bottom

Open Flow - /10ths Water in - Inch
/10ths Merc. in - Inch
Volume Dry in Newburg Cu. Ft.
Rock Pressure - lbs. hrs.
Oil - bbls., 1st 24 hrs.
WELL ACIDIZED (DETAILS) -
WELL FRACTURED (DETAILS) Not Fractured

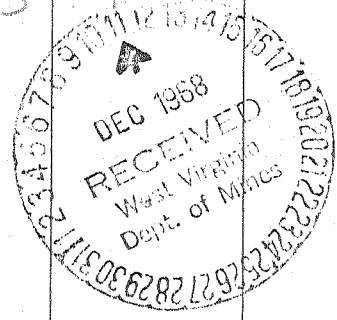
Attach copy of cementing record.
CASING CEMENTED See Reverse Side SIZE - No. Ft. Date
Amount of cement used (bags) -
Name of Service Co. Dowell
COAL WAS ENCOUNTERED AT - FEET INCHES
FEET INCHES FEET INCHES
FEET INCHES FEET INCHES

RESULT AFTER TREATMENT (Initial open Flow or bbls.) -

ROCK PRESSURE AFTER TREATMENT - HOURS
Fresh Water - Feet Salt Water - Feet
Producing Sand - Depth

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Clay & Sand			0	108	5648	5648	
Sand & Shale			108	183	755	4862	
Sand			183	214	4893	786	
Sand & Slate			214	280			
Sand			280	473			
Sand & Shale			473	965			
Shale			965	1000			
Salt Sand			1000	1395			
Shale			1395	1444			
Little Lime			1444	1505			
Big Lime			1505	1655			
Big Injun			1655	1755			
Sand & Shale			1755	4758			
Onondaga Lime			4758	4862			
Oriskany			4862	4896			
Lime			4896	5648			
Newburg			5648	5674			
Shaley Dolomite		<u>McKenzie</u>	5674	5695			Dry in Newburg
Total				5695			

Well Abandoned - Completed 12-5-68 (7:30 PM)



Formation	Color	Hard or Soft	Top //	Bottom	Oil, Gas or Water	Depth Found	Remarks
							13-3/8" - 40.50' - 11-18-68 - 80 Bags Neat Cement-
							8-5/8" - 1735.47' - 11-23-68 - 500 Bags Light Cement .075% Teck 1/8# Cello Flake 10% Salt, and 200 Bags Common Cement .075% Teak 1/8# Cello Flake, 3% CaCl ₂
							5-1/2" - 5576.13 - 11-29-68- 175 bags common Cement 2% CaCl ₂ 1/8# Cello Flakes per Bag (Dowell)

Date December 10, 1968

APPROVED PENNZOIL UNITED, INC., Owner

By A.C. Hilbert
A.C. Hilbert (Title) Engineer