

PANHANDLE EASTERN PIPE LINE COMPANY

CHEMICAL LABORATORY

REPORT OF ANALYSIS

Laboratory No. 60-316 Date November 7, 1960
 Sample of Natural Gas Date Received _____
 Received from Rupp-Ferguson

Description Freemeyer #1-20, Section 20-27-6, Kingman County, Kansas.
Mississippi Zone from 3828 to 3832. Sampled 9/29/60 from wellhead.

	ANALYSIS-MOL %				ANALYSIS LIQ. VOL %	
	Fractional Distillation Method					
Helium						
Hydrogen						
Carbon Dioxide						
Air						
Oxygen						
Nitrogen	1.46					
Methane	90.20					
Ethane	4.00					
Propane	2.61					
i-Butane	0.31					
n-Butane	0.77					
i-Pentane	0.15					
n-Pentane	0.23					
Pentanes-Plus						
n-Hexane						
Hexanes-Plus	0.27					
Heptane						
TOTALS	100.00					

CALCULATED FROM THE ABOVE ANALYSIS:
 G.P.M. of 26 lb. R.V.P. Gasoline 0.394 L.V. % Pentanes-Plus _____
 L.V. % Pentanes-Plus in _____ R.V.P. Gasoline _____
 Gross B.T.U. per cu. ft. @ 60° F—30" Hg. dry 1117.5
 Gross B.T.U. per cu. ft. @ 60° F—30" Hg. sat. 1098.1
 Net B.T.U. per cu. ft. @ 60° F.—30" Hg. dry 1011.4
 Net B.T.U. per cu. ft. @ 60° F—30" Hg. sat. 993.8
 Specific Gravity 0.6368

Gross B.T.U. per cu. ft. @ 60° F—30" Hg. saturated determined with Recording Calorimeter 1098

Remarks: Requested by F. A. Richmond.
Sampled by Paul Tucker.

RBHarkins FARichmond (2) R. L. Bailey *RB*
 EONelson Reservoir Engineers (2) Analyst
 TJKirkpatrick JKCurry
 WRKesler Proration Section
 RWWilson AHHathaway
 DWJackson Liberal Lab
 RCDixon