

CONE & KERLEY, INC.

PHONE 366-6442

PETROLEUM ENGINEERING SERVICES

P. O. BOX 2982

CONE & KERLEY LABORATORY

ODESSA, TEXAS - 79760

For Morris R. Antweil
P.O. Box 2010
Hobbs, N.M. 88240

RECEIVED

June 28, 1977

JUL 6 1977

LABORATORY REPORT

SAMPLE: SEPARATOR GAS

Sampling Conditions: 379 psig 74 °F Date 6-23-77
Remarks:

HYDROCARBON ANALYSIS

METHOD OF ANALYSIS				MISCELLANEOUS DATA		
CHROMATOGRAPHIC				Gas Samples		
	Mol %	Liq. Vol. %	GPM	Sp. Gr.	.614	(Measured)
Hydrogen Sulfide ..	nil			Sp. Gr.	.614	(Calculated)
Oxygen	nil			BTU/Cu. Ft.	1074	(Dry Basis)
Nitrogen	.761			BTU/Cu. Ft.	1055	(Wet Basis)
Carbon Dioxide ...	.547			Gasoline Content:		
Methane	91.450			Gasoline		GPM
Ethane	5.208			% Propane		GPM
Propane	1.261		.346	Butanes		GPM
Iso-Butane	.206		.067	TOTAL		GPM
N-Butane	.216		.068	Remarks:		
Iso-Pentane	.110		.040	Liquid Samples		
N-Pentane	.063		.023	Characteristics of		plus
Iso-Hexane				Sp. Gr.		(Water = 1)
N-Hexane				Mol. Wt.		
Pentanes Plus				Vapor Volume		(Cu. Ft./Gal.)
Hexanes Plus	.178		.078	Remarks:		
Heptanes Plus						
TOTALS	100.00		.622			

Remarks:

ASTM DISTILLATION

Initial Boiling Point	°F	Recovery	%
Percent		Residue	%
5	°F	Loss	%
10	°F	YIELD	
20	°F	Gasoline 300° F.	%
30	°F	350° F.	%
40	°F	400° F.	%
50	°F	Total Gasoline	%
60	°F	Kerosene 525° F.	%
70	°F	°API	
80	°F	Color	
90	°F		
95	°F		
End Point	°F		

Remarks:

MISCELLANEOUS

Base Conditions: 1465 PSIA & 60° F

CONE & KERLEY, INC.

Certified: By: Bill Kerley