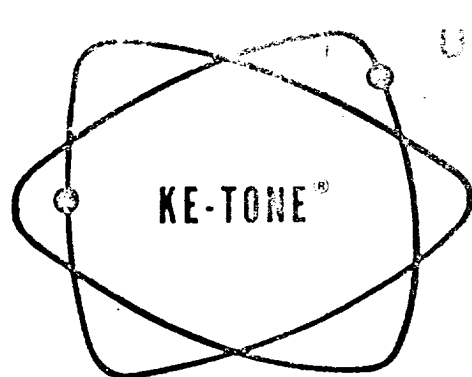




UNITED CHEMICAL CORPORATION

OF NEW MEXICO

P. O. BOX 1499

PHONE 393-7751

HOBBS, NEW MEXICO 88240

No. 2569

Run No. 7-30-73

Date of Run 7-30-73

Date Secured 7-27-73

CERTIFICATE OF ANALYSIS

A Sample of Yates Petroleum Corporation - State CK #1

Secured from Coleman Engineering

At Hobbs, N. M. Secured by

Time Date

Sampling conditions Press

Temp.

Undesignated Morrow Gas

Eddy County, N. M.

FRACTIONAL ANALYSIS

Percentage Composition

MOL % LIQ. % G.P.M.

Carbon Dioxide	.33		
Air			
Nitrogen	.22		
Oxygen			
Hydrogen sulfide			
Hydrogen			
Methane	88.93		
Ethane	6.08		1.621
Propane	2.66		.730
Butanes			
Iso-Butane	.36		.117
N-Butane	.67		.211
Pentanes			
Iso-Pentane	.19		.069
N-Pentane	.19		.068
Hexanes Plus	.37		.152
Heptanes			
TOTAL	100.00		2.968

Calc. Sp. Gr. 0.6447

Calc. A.P.I.

Calc. Vapor Press. PSIA

Sp. Gr.

Mol. Wt.

LIQUID CONTENT (GAL./MCF)

Propane Calc. G.P.M. .730

Butanes Calc. G.P.M. .328

Pentanes Plus. G.P.M. .289

Ethane Calc. G.P.M. 1.621

° RVP Gasoline G.P.M.

B.T.U./Cu. Ft. @ 14.696 P.S.I.A.

Dry Basis 1140

Wet Basis 1120

Sulfur Analysis by Titration

Gr./100 Cu. Ft.

Hydrogen Sulfide

Mercaptans

Sulfides

Residual Sulfur

Total Sulfur

Run by Checked by Approved by

Additional Data and Remarks