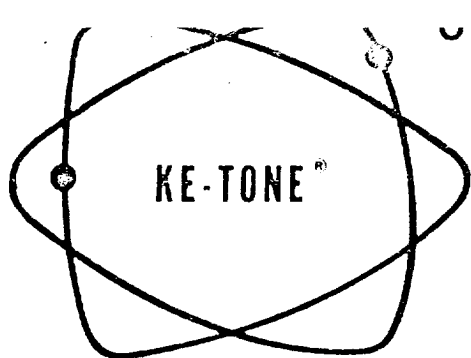




UNITED CHEMICAL CORPORATION

OF NEW MEXICO

P. O. BOX 1499

PHONE 393-7751

HOBBS, NEW MEXICO 88240

No. 2589

Run No.

Date of Run 8-6-73

Date Secured

CERTIFICATE OF ANALYSIS

A Sample of Yates Petroleum Corporation - Vandiver "CT" #1

Secured from Coleman Engineering

At Hobbs, N. M.

Secured by

Time

Date

Sampling conditions Press

Temp.

West Atoka Morrow Gas

Eddy County, N. M.

FRACTIONAL ANALYSIS

Percentage Composition

	MOL %	LIQ. %	G.P.M.
Carbon Dioxide	.54		
Air			
Nitrogen	.18		
Oxygen			
Hydrogen sulfide			
Hydrogen			
Methane	90.37		
Ethane	5.28		1.408
Propane	1.98		.544
Butanes			
Iso-Butane	.42		.137
N-Butane	.49		.154
Pentanes			
Iso-Pentane	.11		.040
N-Pentane	.14		.050
Hexanes Plus	.49		.201
Heptanes			
TOTAL	100.00		2.534

Calc. Sp. Gr. 0.6346

Calc. A.P.I.

Calc. Vapor Press. PSIA

Sp. Gr.

Mol. Wt.

LIQUID CONTENT (GAL./MCF)

Propane Calc. G.P.M. .544

Butanes Calc. G.P.M. .291

Pentanes Plus. G.P.M. .291

Ethane Calc. G.P.M. 1.408

RVP Gasoline G.P.M.

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

Dry Basis 1120

Wet Basis 1100

Sulfur Analysis by Titration

Gr./100 Cu. Ft.

Hydrogen Sulfide

Mercaptans

Sulfides

Residual Sulfur

Total Sulfur

Run by Deane Simpson

Checked by

Approved by

Additional Data and Remarks