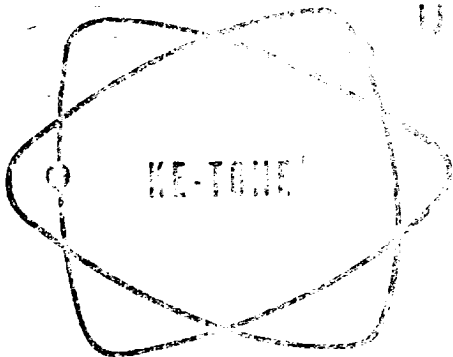




UNITED CHEMICAL CORPORATION

OF NEW MEXICO

P.O. BOX 1477

FEDERAL 327-57

HOBBS, NEW MEXICO 88240

No. 2772

Run No.

Date of Run 11-1-73

Date Secured

CERTIFICATE OF ANALYSIS

A Sample of Federal "M M" Comm. # 1

Secured from Mobil Oil Company

At Hobbs, N.M.

Secured by

Time

Date

Sampling conditions Press.

Temp.

FRACTIONAL ANALYSIS

Percentage Composition

MOL % LIQ. % G.P.M.

Carbon Dioxide	1.14	
Air		
Nitrogen	.33	
Oxygen		
Hydrogen sulfide		
Hydrogen		
Methane	95.78	
Ethane	2.22	.077
Propane	.21	.592
Butanes		
Iso-Butane	.08	.026
N-Butane	.05	.016
Pentanes		
Iso-Pentane	.03	.011
N-Pentane	.01	.004
Hexanes	.15	.062
Heptanes		
TOTAL	100.00	.788

Calc. Sp. Gr. 0.5854

Calc. A.P.I.

Calc. Vapor Press. P.S.I.A.

Sp. Gr.

Mol. Wt.

LIQUID CONTENT (GAL. MCF)

Propane Calc. G.P.M. .592

Butanes Calc. G.P.M. .042

Pentanes Plus. G.P.M. .077

Ethane Calc. G.P.M. .077

F RVP Gasoline G.P.M.

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

Dry Basis 1018

Wet Basis 1000

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