



UNITED CHEMICAL CORPORATION

OF NEW MEXICO

P. O. BOX 1499

PHONE (505) 393-7751

HOBBS, NEW MEXICO 88240

No. 5044
Run No. _____
Date of Run 6-4-76
Date Secured 6-3-76

CERTIFICATE OF ANALYSIS

A Sample of Yates Petroleum Corporation - Halderman #1
Secured from Jarrel Services
At Box 1654 Secured by _____
Hobbs, New Mexico 88240 Time _____ Date _____
Sampling conditions _____ Press _____
Temp. _____ Undesignated Morrow
Eddy County, N.M.

FRACTIONAL ANALYSIS

Percentage Composition

	MOL %	LIQ. %	G.P.M.
Carbon Dioxide	2.957		
Air			
Nitrogen	.569		
Oxygen			
Hydrogen sulfide			
Hydrogen			
Methane	87.401		
Ethane	5.680		1.515
Propane	2.076		.572
Butanes			
Iso-Butane	.289		.094
N-Butane	.484		.152
Pentanes			
Iso-Pentane	.149		.054
N-Pentane	.141		.051
Hexanes	.139		.057
Heptanes	.115		.049
TOTAL	100.000		2.544

Calc. Sp. Gr. 0.6556
Calc. A.P.I. _____
Calc. Vapor Press. _____ PSIA
Sp. Gr. _____
Mol. Wt. 19.01

LIQUID CONTENT (GAL./MCF)

Propane Calc. G.P.M. .572
Butanes Calc. G.P.M. .246
Pentanes Plus. G.P.M. .211
Ethane Calc. G.P.M. 1.515
RVP Gasoline G.P.M. _____

B.T.U./Cu. Ft. @ 14.696 P.S.I.A.
Dry Basis 1085
Wet Basis 1066

Sulfur Analysis by Titration
Gr./100 Cu. Ft. _____
Hydrogen Sulfide _____
Mercaptans _____
Sulfides _____
Residual Sulfur _____
Total Sulfur _____

Run by Deane Simpson Checked by _____ Approved by Sylvia Bryant

Additional Data and Remarks