



UNITE CHEMICAL CORPORATION

OF NEW MEXICO

P.O. BOX 1499

PHONE 505:393-7751

HOBBS, NEW MEXICO 88240

No. 4663

Run No.

Date of Run 2-6-76

Date Secured

CERTIFICATE OF ANALYSIS

A Sample of Sowers FE #1 Yates Petroleum Corp.
Secured from Coleman Engineering
At Box 1829 Secured by _____
Hobbs, New Mexico 88240 Time _____ Date _____
Sampling conditions: _____ Press _____
Temp. _____ Cisco Canyon

FRACTIONAL ANALYSIS

Percentage Composition

	MOL. %	LIQ. %	G.P.M.
Carbon Dioxide	.022		
Air			
Nitrogen	1.520		
Oxygen			
Hydrogen sulfide			
Hydrogen			
Methane	84.496		
Ethane	8.997		2.399
Propane	2.994		.825
Butanes			
Iso-Butane	.361		.118
N-Butane	.755		.237
Pentanes			
Iso-Pentane	.240		.088
N-Pentane	.248		.090
Hexanes	.172		.071
Heptanes	.195		.083
TOTAL	100.000		3.911

Calc. Sp. Gr. — 0.6679
Calc. A.P.I. —
Calc. Vapor Press. — PSIA
Sp. Gr. —
Mol. Wt. 19.38

LIQUID CONTENT (GAL. MCF)

Propane Calc. G.P.M. 2.399
Butanes Calc. G.P.M. .355
Pentanes Plus G.P.M. .332
Ethane Calc. G.P.M. .825
RVP Gasoline G.P.M.
B.T.U./Cu. Ft. @ 14.696 P.S.I.A.
Dry Basis 1162
Wet Basis 1142
Sulfur Analysis by Titration
Gr. 100 Cu. Ft.
Hydrogen Sulfide
Mercaptans
Sulfides
Residual Sulfur
Total Sulfur

Run by Deane Simpson Checked by _____ Approved by Deane Simpson

Additional Data and Remarks