



UNITED CHEMICAL CORPORATION

OF NEW MEXICO

P. O. BOX 1477

PHONE (505) 393-7751

HOBBBS, NEW MEXICO 88240

No. 6650

Run No.

Date of Run 10-07-77

Date Secured

CERTIFICATE OF ANALYSIS

A Sample of Quail State #1
Secured from Red Lake Drilling Company
At Box 798
Artesia, New Mexico 88210

ATTENTION: Tim Collier

Secured by

Time

Date

Sampling conditions Press
Temp.

FRACTIONAL ANALYSIS

Percentage Composition

MOL % LIQ. % G.P.M.

Carbon Dioxide	Trace	
Air		
Nitrogen	8.658	
Oxygen		
Hydrogen sulfide		
Hydrogen		
Methane	77.819	
Ethane	7.939	2.117
Propane	3.429	.944
Butanes		
Iso Butane	.604	.197
N-Butane	.977	.307
Pentanes		
Iso-Pentane	.169	.062
N-Pentane	.150	.054
Hexanes	.077	.032
Heptanes	.178	.076
TOTAL	100.000	3.789

Calc. Sp. Gr. — 0.6969

Calc. A.P.I. —

Calc. Vapor Press. — PSIA

Sp. Gr.

Mol. Wt. 20.21

LIQUID CONTENT (GAL/MCF)

Propane Calc. G.P.M.	.944
Butanes Calc. G.P.M.	.504
Pentanes Pres. G.P.M.	.244
Ethane Calc. G.P.M.	2.117
RVF Gasoline G.P.M.	

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

Dry Basis 1089

Wet Basis 1070

Sulfur Analysis by Titration

Gr./100 Cu. Ft.

Hydrogen Sulfide

Mercaptans

Sulfates

Residual Sulf.

Total Sulf.

Run by Deane Simpson

Checked by

Approved by

Debbie Montoya

Additional Data and Remarks