



UNITED CHEMICAL CORPORATION

OF NEW MEXICO

P. O. BOX 1499

PHONE (505) 393-7751

HOBBS, NEW MEXICO 88240

No. _____

Run No. 5058Date of Run 6-11-76Date Secured 6-8-76

CERTIFICATE OF ANALYSIS

A Sample of Cities Service Oil Co. - Government "U" - (Upper MARROW)
Secured from JOHN WEL ENGINEERING
At 412 N. DAL PASO Secured by _____
HOBBS, NM 88240 Time _____ Date _____
Sampling conditions _____ Press _____
Temp. _____

FRACTIONAL ANALYSIS

Percentage Composition

MOL % LIQ. % G.P.M.

Carbon Dioxide	<u>.897</u>	
Air		
Nitrogen	<u>2.765</u>	
Oxygen		
Hydrogen sulfide		
Hydrogen		
Methane	<u>89.952</u>	
Ethane	<u>1.140</u>	<u>1.104</u>
Propane	<u>1.328</u>	<u>.366</u>
Butanes		
Iso-Butane	<u>.218</u>	<u>.081</u>
N-Butane	<u>.265</u>	<u>.083</u>
Pentanes		
Iso-Pentane	<u>.130</u>	<u>.047</u>
N-Pentane	<u>.075</u>	<u>.027</u>
Hexanes	<u>.100</u>	<u>.041</u>
Heptanes	<u>.100</u>	<u>.043</u>
TOTAL	<u>100.000</u>	<u>1.792</u>

Calc. Sp. Gr. — 0.6233
Calc. A.P.I. — _____
Calc. Vapor Press. — _____ PSIA
Sp. Gr. _____
Mol. Wt. 18.05

LIQUID CONTENT (GAL./MCF)

Propane Calc. G.P.M.	<u>.366</u>
Butanes Calc. G.P.M.	<u>.144</u>
Pentanes Plus. G.P.M.	<u>.158</u>
Ethane Calc. G.P.M.	<u>1.104</u>
RVP Gasoline G.P.M.	

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

Dry Basis	<u>1050</u>
Wet Basis	<u>1031</u>

Sulfur Analysis by Titration
Gr./100 Cu. Ft.

Hydrogen Sulfide	
Mercaptans	
Sulfides	
Residual Sulfur	
Total Sulfur	

Run by Sylvia Bryant Checked by _____ Approved by _____

Additional Data and Remarks