

**NEW-TEX
LAB**P. O. BOX 1161
HOBBS, N.M. 88240

No. 5852

Run No.

Date of Run. 10-16-81

Date Secured. 10-15-81

CERTIFICATE OF ANALYSIS

A Sample of P. Z. Federal #1
Secured from John West Engineering
At 412 No. Dal Paso St.
Hobbs, New Mexico 88240
Sampling conditions Press. Secured by Time Date Temp.

FRACTIONAL ANALYSIS**Percentage Composition**

	MOL %	LIQ. %	G.P.M.
Carbon Dioxide	26.162		
Air			
Nitrogen	4.156		
Oxygen			
Hydrogen sulfide			
Hydrogen			
Methane	64.340		
Ethane	3.122		.833
Propane	1.145		.314
Butanes			
Isobutane	.183		.060
Normal Butane	.358		.113
Pentanes			
Isopentane	.106		.039
Normal Pentane	.110		.040
Hexanes	.082		.034
Heptanes Plus	.236		.109
Octanes			
TOTAL	100.000		1.542

Calc. Sp. Gr. 0.8701
Calc. A.P.I.—
Calc. Vapor Press.— PSIA
Sp. Gr.—
Mol. Wt. 25.22

LIQUID CONTENT (GAL./MCF)

Propane Calc. G.P.M. .314
Butanes Calc. G.P.M. .173
Pentanes Plus. G.P.M. .222
Ethane Calc. G.P.M. .833
RVP Gasoline G.P.M.
B.T.U./Cu. Ft. @ 14.696 P.S.I.A.
Dry Basis 777
Wet Basis 763
Sulfur Analysis by Titration
Gr./100 Cu. Ft.
Hydrogen Sulfide
Mercaptans
Sulfides
Residual Sulfur
Total Sulfur

Run by R. H. Hamilton Checked by Deane Simpson Approved by Deane Simpson

Additional Data and Remarks