



P. O. BOX 1499

PHONE (505) 593-7751

HOBBS, NEW MEXICO 88240

No. 7498

Run No.

Date of Run 5/24/78

Date Secured 5/23/78

### CERTIFICATE OF ANALYSIS

Sample of Phoenix Resources Co. Gardner Draw Unit #1 C-20-19-21  
 secured from John West Engineering  
412 North Dal Paso Secured by West Engineering  
Hobbs, New Mexico 88240 Time \_\_\_\_\_ Date \_\_\_\_\_  
 Sampling conditions: Press \_\_\_\_\_ Temp. manow # 7018-7188

### FRACTIONAL ANALYSIS

#### Percentage Composition

	MOL %	LIQ. %	G.P.M.
Carbon Dioxide	.405		
Nitrogen	.809		
Oxygen			
Hydrogen sulfide			
Propane	86.775		
Isobutane	7.556		2.015
Normal butane	2.833		.780
Isopentane			
Normal pentane	.582		.190
Normal hexane	.604		.190
Heptanes			
Normal pentane	.206		.075
Normal hexane	.109		.039
Normal heptane	.053		.022
Normal octanes	.068		.029
PLUS			
TOTAL	100.000		3.340

Calc. Sp. Gr. — 0.6515  
 Calc. A.P.I. — \_\_\_\_\_  
 Calc. Vapor Press. — \_\_\_\_\_ PSI  
 Sp. Gr. \_\_\_\_\_  
 Mol. Wt. 18.89

#### LIQUID CONTENT (GAL./MCF)

Propane Calc. G.P.M. .780  
 Butanes Calc. G.P.M. .380  
 Pentanes Plus. G.P.M. .165  
 Ethane Calc. G.P.M. 2.015  
 \_\_\_\_\_ °RVP Gasoline G.P.M. \_\_\_\_\_

B.T.U./Cu. Ft. @ 14.696 P.S.I.A.  
 Dry Basis 1138  
 Wet Basis 1118

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

Anal. by Debbie Moutray Checked by \_\_\_\_\_ Approved by \_\_\_\_\_

Additional Data and Remarks