

SOUTHWESTERN LABORATORIES

707 South "I" Street — P.O. Box 4022

MIDLAND, TEXAS

MU 3-3349

FRACTIONAL ANALYSIS REPORT

Bogle Flats Unit #6, Indian Basin Field

SAMPLE MARKED Eddy Co., N. Mex., Sep. Gas

File No. C-1902-1(g)

SAMPLE FROM Standrad Oil Co. of Tex. (West Tex. Engr.)

Lab. NO. C-1268

DATE OF RUN 6-17-66

DATE SECURED 6-14-66

SECURED BY W.T.E.S., Inc.

| COMPONENT | MOL. % | G. P. M. | LIQUID VOL. % | ANALYSIS DATA |
|------------------|--------|----------|---------------|--|
| Carbon Dioxide | 0.56 | | | Volume of Sample _____ |
| Hydrogen Sulfide | 0.37 | | | Grav. of Residue _____ Vol. of Residue _____ |
| Nitrogen | 0.96 | | | Residue Molecular Weight _____ |
| Methane | 90.33 | | | Sample Vapor Pressure _____ |
| Ethane | 5.11 | | | CONDENSATE VALUES, G.P.M. |
| Propane | 1.50 | 0.411 | | _____ Propane _____ |
| I-Butane | 0.28 | 0.091 | | _____ Butane _____ |
| N-Butane | 0.44 | 0.138 | | _____ Gasoline _____ |
| I-Pentane | 0.15 | 0.055 | | HEATING VALUE, B. T. U. Per Cu. Ft.* |
| N-Pentane | 0.16 | 0.058 | | Calculated from % Composition _____ <u>1087</u> |
| Hexanes plus | 0.12 | 0.060 | | Calorimeter _____ |
| Heptanes | | | | SULPHUR CONTENT, Grains Per 100 Cu. Ft.* |
| | | | | Hydrogen Sulfide _____ <u>231.98</u> |
| | | | | Mercaptans _____ |
| | | | | SPECIFIC GRAVITY* |
| | | | | Calculated from % Composition _____ <u>0.625</u> |
| | | | | Gravity Balance _____ |
| | 100.00 | 0.813 | | *14.7 lbs./sq. in., 60° F. |

RUN BY Jack H. Barton

CALCULATED BY Jack H. Barton

REMARKS:

COPIES:

16cc Standard Oil Company of Texas
1cc West Texas Engineering Service, Inc.

Jack H. Barton