

## CHROMATOGRAPH CALCULATIONS

Form 15-171 (Rev. 12-62)

Analysis No.

41701

Sample From

Eddy G.E. State Lease

Owner

Gulf Oil Corporation

State

NM

County

Eddy

Location or Field

Barton Flat

Formation

Morrow

Depth

From

To

Date Secured

6-1-78

Secured By

Swartz

Department

Date Run

6-2-78

Run By

Bond

Checked By

Source Press.

Bomb Press.

Source Temp.

Atmos. Temp.

SULPHUR - GRS.  
PER 100 cu. Ft.

Hydrogen Sulphide

0

Mercaptan

0

Total

0

Sweet

| COMPONENT                | AREA     | FACTOR | CORRECTED AREA | MOLE % | GPM  | BTU     | Sp. Gr. |
|--------------------------|----------|--------|----------------|--------|------|---------|---------|
| Helium $HE_2$            |          |        |                |        |      |         |         |
| Hydrogen Sulphide $H_2S$ |          |        |                |        |      |         |         |
| Carbon Dioxide $CO_2$    | 2.0798   | 3653   | .76            | .77    |      |         | .012    |
| Nitrogen $N_2$           | 2.3220   | 4405   | 1.02           | 1.03   |      |         | .010    |
| Methane $C_1$            | 172.4276 | 5163   | 89.02          | 90.18  |      | 912.62  | .499    |
| Ethane $C_2$             | 14.4759  | 3462   | 5.01           | 5.08   |      | 90.07   | .053    |
| Propane $C_3$            | 6.2754   | 2811   | 1.76           | 1.78   | .490 | 44.91   | .027    |
| Iso Butane $IC_4$        | 1.0840   | 2493   | .27            | .27    | .088 | 8.80    | .005    |
| Normal Butane $C_4$      | 1.5455   | 2468   | .78            | .39    | .123 | 12.75   | .008    |
| Iso Pentane $IC_5$       | .6230    | 2778   | .14            | .14    | .051 | 5.61    | .003    |
| Normal Pentane $C_5$     | .3725    | 2276   | .08            | .08    | .029 | 3.21    | .002    |
| Hexane $C_6$             |          |        | .20            | .20    | .082 | 9.53    | .006    |
| Heptane $C_7$            |          |        | .08            | .08    | .039 | 4.70    | .003    |
| TOTAL                    |          |        | 98.72          | 99.97  | .902 | 1092.20 | .628    |

Remarks:

Sec - 23

Twp - 20

Rge - 27

Meter No.