

## V. CONCLUSIONS

1. The data for Run 49 show that the catalyst level can be increased from the design level of about 10 feet to a maximum level of about 20 feet.

2. This increase in catalyst level resulted in an increase in total liquid yield, basis Brownsville, from 5000 Bbls./day to 6400 Bbls./day. This is still substantially below the Brownsville design value of 7855 Bbls./day.

3. Data from the Stanolind 8-inch reactor on Alan Wood catalyst at one-half the bed depth and one-half the linear velocity agree very closely with Montebello data on this same catalyst.

4. Catalyst replacement rates in the range of 20 to 50 tons per day at Brownsville (300 to 120 Bbls./ton) is not important economically.