

STRICTLY CONFIDENTIAL

HYDROCARBON SYNTHESIS

PARTIAL REPORT NO. 39

Montebello Laboratory Experiment No. TDC-80?  
Work Completed November 9, 1949 Report Approved April 2, 1951

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LOW SPACE VELOCITY OPERATION  
ALAN WOOD CATALYST

MONTEBELLO RUN 51

I. INTRODUCTION

Previous reports have indicated that design yields can not be obtained with the Alan Wood catalyst at Brownsville. It was found, however, that a substantial increase in yield could be secured by increasing the bed level from the original design value of 8 feet to about 20 feet. A further increase in level was not possible, the level being limited at that point by excessive carry-over. It was apparent, however, that additional catalyst could be provided and higher yields secured by constructing an additional reactor, designed to operate in parallel with the existing two. The results of such an operation were studied at Montebello in Run 51 which was carried out over the period September 22, 1949 through November 9, 1949.