

V. CONCLUSIONS

1. The mill scale catalyst treated and reduced at Brownsville exhibited no difference from mill scale catalysts prepared at Montebello.

2. Variation of the catalyst reduction temperature in the range of 650°F to 800°F had no effect on the quality of the catalyst.

3. Increasing the recycle/fresh feed ratio in the range of 0.06/1 to 2.0/1 increased the yields of saleable liquid products and suppressed the yields of methane and CO₂.

4. The addition of anhydrous potassium carbonate during a run had no effect on the synthesis reaction.

REPORT PREPARED BY Signed: W. L. Slater

WLS-EW

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(WEK-WAMcM)-WJC(2)-RWH-HDM(2)
~~RLSr(2)-duBE(2)~~
WMS-RP-CEL-GK-Jcw

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