



MONTEBELLO SYNTHESIS UNIT  
SUMMARY OF PRELIMINARY DATA

RUN NUMBER	13A	13B
Start	10:00	10:00
	3/20	3/21
End	10:00	10:00
	3/21	3/22
Duration	24	24

GENERATOR DATA

Pressure-psig	214	212
Gas Rate-scfh	2790	2785
Oxygen Rate-scfh	2005	2000
Product Rate-scfh	8450	8250
Product Composition by Corrected Orsat- mol %		
CO	35.1	34.7
H2	58.4	57.9
CO2	2.0	2.1
N2	2.0	1.5
CH4	2.5	3.8

SYNTHESIS DATA

Pressure-psig	200	200
Recycle Rate-scfh	12740	12830
Fresh Feed Rate-scfh	8450	8250
Wet Gas Rate-scfh	3310	2920
Catalyst Temperature- F	674	645
Catalyst Density-#/cu.ft.	49	28
Depth of Bed-ft.	10	11
Fresh Feed Rate-cfh/# Cat.	<del>546</del>	465
Cat. Fluidized - #	546	465
Inlet Velocity-ft./sec.	2.0	2.0
Recycle Ratio	1.5	1.6
Contraction- %	61.0	64.5
Measured oil - gph	2.5	3.9
Measured Water - gph	6.1	9.5
Steam Pressure - psig	1050	1050
Steam Rate - #/hr.	431	400
% CO2 in Wet Gas	27.7	25.7
% CO Converted to CO2	25.8	20.1