

TABLE III

COMPARISON OF THE LINDSAY-BROMLEY AND THE
 RECIPROCAL INTERPOLATION TECHNIQUES
 75°C up to 3000 atm.

Mixture	LINDSAY-BROMLEY		EQUATION (14)	
	Variance	Max. Dev., %@P, atm.	Variance	Max. Dev., %@P, atm.
0.194 M/F CO ₂ 0.806 M/F N ₂	5.9	11.3 @ 175	4.1	7.8 @ 175
0.367 M/F CO ₂ 0.633 M/F N ₂	11.2	22.6 @ 175	8.3	16.9 @ 175
0.634 M/F CO ₂ 0.366 M/F N ₂	14.2	29.9 @ 175	11.1	24.5 @ 150
0.762 M/F CO ₂ 0.238 M/F N ₂	12.0	26.7 @ 150	9.7	22.7 @ 150
0.187 M/F CO ₂ 0.813 M/F C ₂ H ₆	6.1	10.5 @ 90	4.4	6.4 @ 90
0.385 M/F CO ₂ 0.615 M/F C ₂ H ₆	8.4	11.1 @ 90	6.6	8.3 @ 250
0.581 M/F CO ₂ 0.419 M/F C ₂ H ₆	8.8	11.2 @ 175	7.2	11.2 @ 175
0.795 M/F CO ₂ 0.205 M/F C ₂ H ₆	8.3	9.2 @ 300	6.6	9.4 @ 300
0.192 M/F N ₂ 0.808 M/F C ₂ H ₆	11.1	21.7 @ 100	7.6	15.8 @ 100
0.368 M/F N ₂ 0.632 M/F C ₂ H ₆	12.2	24.3 @ 100	7.8	15.6 @ 100
0.598 M/F N ₂ 0.402 M/F C ₂ H ₆	12.4	21.4 @ 100	7.0	12.8 @ 100
0.787 M/F N ₂ 0.213 M/F C ₂ H ₆	6.3	10.3 @ 125	2.8	4.8 @ 100