

COMPANY : HARVEY E. YATES CO LEASE : LYNX 19 FED. WELL NO. : 1
 UNIT : G SECTION : 19 TOWNSHIP : 13
 L : 11002 H : 11002 L/H : 1 G/GMIX : 0.623
 3CO2 : 0.601 3ND : 0.397 H2S : DATE : 3 30 00
 d : 1.995 Fr : 0.018231 GH : 6854.2 RANGE : 29

VOL 1 : 395 PSIA 1 : 2294.2 RESV.TEMP 165.6
 VOL 2 : 805 PSIA 2 : 2127.2
 VOL 3 : 1192 PSIA 3 : 1918.2 SHUT-IN PR= 2378.2
 VOL 4 : 1567 PSIA 4 : 1676.2
 PCR : 671
 TCR : 365

LINE	RATE 1		RATE 2		RATE 3		RATE 4	
	1ST	2ND	1ST	2ND	1ST	2ND	1ST	2ND
1 QM	0.395	0.395	0.805	0.805	1.192	1.192	1.567	1.567
2 TW	534	534	534	534	534	534	534	534
3 Ts	625.6	625.6	625.6	625.6	625.6	625.6	625.6	625.6
4 T	579.8	579.8	579.8	579.8	579.8	579.8	579.8	579.8
PR (est)	3.42		3.17		2.86		2.50	
5 Z(est)	0.798	0.801	0.800	0.798	0.805	0.798	0.815	0.804
6 TZ	462.6	464.3	463.6	462.8	466.6	462.8	472.4	465.9
7 GH/TZ	14.817	14.762	14.785	14.811	14.691	14.809	14.509	14.711
8 eS	1.743	1.739	1.741	1.743	1.735	1.743	1.723	1.736
9 l-e-S	0.426	0.425	0.426	0.426	0.424	0.426	0.420	0.424
10 Pt	2294.2	2294.2	2127.2	2127.2	1918.2	1918.2	1676.2	1676.2
11 Pt2 /1000	5263.4	5263.4	4525.0	4525.0	3679.5	3679.5	2809.6	2809.6
12 Fr	0.018231	0.018231	0.018231	0.018231	0.018231	0.018231	0.018231	0.018231
13 Fc=FrTZ	8.434	8.465	8.452	8.437	8.506	8.438	8.613	8.494
14 FcQm	3.33	3.34	6.80	6.79	10.14	10.06	13.50	13.31
15 L/H(FcQm)	11.1	11.2	46.3	46.1	102.8	101.2	182.2	177.2
16 Fw	4.730696	4.752776	19.70138	19.65804	43.54316	43.10940	76.43471	75.122768
17 Pw2	5268.1	5268.1	4544.7	4544.6	3723.0	3722.6	2886.1	2884.8
18 Ps2	9182.6	9163.7	7912.2	7919.8	6458.9	6486.8	4972.7	5008.4
19 Ps	3030.3	3027.2	2812.9	2814.2	2541.4	2546.9	2230.0	2237.9
20 P	2662.2	2660.7	2470.0	2470.7	2229.8	2232.6	1953.1	1957.1
21 Pr	3.97	3.97	3.68	3.68	3.32	3.33	2.91	2.92
22 Tr	1.59	1.59	1.59	1.59	1.59	1.59	1.59	1.59
23 Z	0.801	0.801	0.798	0.798	0.798	0.798	0.804	0.803

Pc = 2373.2 Pc2 = 5655.8 *
 Pw = 2295.2 *
 Pc2-Pw2 = 337.7 Pw2 = 5268.1 *
 1111.2 4544.6 *
 1933.2 3722.6 *
 2771.1 2884.8 *
 n = 0.701 ✓
 Pc2/(Pc2-Pw2) = 14.587
 5.090
 2.926
 2.041 ✓
 [Pc2/Pc2-Pw2]n = 6.551
 3.130
 2.123
 1.649 ✓
 AOF= Q 2.588
 2.520
 2.531
 2.584 ✓
 FORM C122-D

