

0 COMPANY : NEWBORN LEASE D. FLAT 5 FED. WELL NO. : 3
UNIT : K SECTION : 5 TOWNSHIP : 20
L : 10737 H : 10737 L/H : 1 G/GMIX : 0.615
%CO2 : 0.95 %N2 : 0.26 H2S : DATE : 7 11 97
d : 1.995 Fr : 0.018231 GH : 6603.3 RANGE : 32
Pc = 1610.2 Pc2 = 2592.7 *
Pt2 = 2434.2 Pw = 1560.8 *
2208.8 1488.9 *
1941.0 1398.6 *
1708.8 1315.5 *
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VOL 1 : 251 PSIA 1 : 1560.2 RESV.TEMP 181.4
VOL 2 : 502 PSIA 2 : 1486.2
VOL 3 : 690 PSIA 3 : 1393.2 SHUT-IN PR= 2592.7
VOL 4 : 829 PSIA 4 : 1307.2
PCR : 671
TCR : 362
Pc2-Pw2= 156.6 Pw2 = 2436.2 *
376.1 2216.7 *
636.7 1956.0 *
862.1 1730.7 *
n = 0.6974
Pc2/(Pc2-Pw2) = 16.561
6.895
4.072
3.008

LINE	RATE 1		RATE 2		RATE 3		RATE 4	
	1ST	2ND	1ST	2ND	1ST	2ND	1ST	2ND
1 QM	0.251	0.251	0.502	0.502	0.690	0.690	0.829	0.829
2 TW	534	534	534	534	534	534	534	534
3 Ts	641.4	641.4	641.4	641.4	641.4	641.4	641.4	641.4
4 T	587.7	587.7	587.7	587.7	587.7	587.7	587.7	587.7
PR (est)	2.33		2.21		2.08		1.95	
5 Z(est)	0.834	0.824	0.838	0.827	0.844	0.832	0.850	0.838
6 TZ	490.3	484.1	492.7	486.2	496.1	489.2	499.5	492.3
7 GH/TZ	13.469	13.639	13.402	13.581	13.311	13.498	13.221	13.412
8 eS	1.657	1.666	1.653	1.664	1.647	1.659	1.642	1.654
9 l-e-S	0.397	0.400	0.395	0.399	0.393	0.397	0.391	0.395
10 Pt	1560.2	1560.2	1486.2	1486.2	1393.2	1393.2	1307.2	1307.2
11 Pt2 /1000	2434.2	2434.2	2208.8	2208.8	1941.0	1941.0	1708.8	1708.8
12 Fr	0.018231	0.018231	0.018231	0.018231	0.018231	0.018231	0.018231	0.018231
13 Fc=FrTZ	8.938	8.826	8.983	8.864	9.044	8.919	9.106	8.976
14 FcQm	2.24	2.22	4.51	4.45	6.24	6.15	7.55	7.44
15 L/H(FcQm)	5.0	4.9	20.3	19.8	38.9	37.9	57.0	55.4
16 Fw	1.995776	1.965092	8.032222	7.901831	15.30253	15.04216	22.27435	21.885356
17 Pw2	2436.2	2436.2	2216.8	2216.7	1956.3	1956.0	1731.0	1730.7
18 Ps2	4037.2	4063.0	3664.4	3688.9	3222.7	3245.0	2842.0	2861.8
19 Ps	2009.3	2015.7	1914.3	1920.6	1795.2	1801.4	1685.8	1691.7
20 P	1784.7	1787.9	1700.2	1703.4	1594.2	1597.3	1496.5	1499.4
21 Pr	2.66	2.66	2.53	2.54	2.38	2.38	2.23	2.23
22 Tr	1.62	1.62	1.62	1.62	1.62	1.62	1.62	1.62
23 Z	0.824	0.824	0.827	0.827	0.832	0.832	0.838	0.838

FORM C122-D