

COMPANY : GRUY PETROLEUM LEASE - MAG. FED. 5 COM WELL NO. : 2 PC = 2663.2 PCZ = 7092.0 \*  
 UNIT : 0 SECTION 5 TOWNSHIP : 18 \*  
 L : 11592 H : 11592 L/H : 1 G/GMIX : 0.738 Pt2 = 6266.0 Pw = 2503.7 \*  
 %CO2 : 0.426 %N2 : 0 H2S : DATE : 4 3 01 5304.7 2304.9 \*  
 d : 1.995 Fr : 0.018231 GH : 8554.9 RANGE : 31 3641.2 1914.8 \*  
 2244.6 1515.0 \*

VOL 1 : 277 PSIA 1 : 2503.2 RESV.TEMP 189.9 Pc2-Pw2= 824.0 Pw2 = 6268.7 \*  
 VOL 2 : 488 PSIA 2 : 2303.2 1779.9 5312.8 \*  
 VOL 3 : 876 PSIA 3 : 1908.2 SHUT-IN PR= 2663.2 3426.0 3666.6 \*  
 VOL 4 : 1225 PSIA 4 : 1498.2 4797.4 2295.2 \*  
 PCR : 668 n = 0.854 \*  
 TCR : 401

LINE	RATE 1		RATE 2		RATE 3		RATE 4			
	1ST	2ND	1ST	2ND	1ST	2ND	1ST	2ND		
1	QH	0.277	0.277	0.488	0.488	0.876	0.876	1.225	1.225	
2	TW	534	534	534	534	534	534	534	534	
3	Ts	649.9	649.9	649.9	649.9	649.9	649.9	649.9	649.9	
4	T	592.0	592.0	592.0	592.0	592.0	592.0	592.0	592.0	
	PR (est)	3.75		3.45		2.86		2.24		
5	Z(est)	0.742	0.763	0.739	0.751	0.747	0.739	0.773	0.751	
6	TZ	439.0	451.9	437.7	444.8	442.1	437.7	457.9	444.4	AOF= Q 1.742
7	GH/TZ	19.487	18.932	19.545	19.232	19.350	19.543	18.684	19.252	1.590
8	eS	2.077	2.034	2.081	2.057	2.066	2.081	2.015	2.058	1.631
9	l-e-S	0.518	0.508	0.520	0.514	0.516	0.519	0.504	0.514	1.710
10	Pt	2503.2	2503.2	2303.2	2303.2	1908.2	1908.2	1498.2	1498.2	
11	Pt2 /1000	6266.0	6266.0	5304.7	5304.7	3641.2	3641.2	2244.6	2244.6	
12	Fr	0.018231	0.018231	0.018231	0.018231	0.018231	0.018231	0.018231	0.018231	
13	Fc=FrTZ	8.004	8.238	7.980	8.109	8.060	7.981	8.347	8.101	
14	FcQm	2.22	2.28	3.89	3.96	7.06	6.99	10.23	9.92	
15	L/H(FcQm)	4.9	5.2	15.2	15.7	49.9	48.9	104.6	98.5	
16	Fw	2.548249	2.647020	7.877912	8.047388	25.72358	25.38900	52.67207	50.642500	
17	Pw2	6268.6	6268.7	5312.6	5312.8	3667.0	3666.6	2297.3	2295.2	
18	Ps2	13017.7	12750.0	11056.6	10928.1	7576.0	7630.3	4629.2	4724.6	
19	Ps	3608.0	3570.7	3325.1	3305.8	2752.5	2762.3	2151.6	2173.6	
20	P	3055.6	3037.0	2814.2	2804.5	2330.3	2335.3	1824.9	1835.9	
21	Pr	4.57	4.55	4.21	4.20	3.49	3.50	2.73	2.75	
22	Tr	1.48	1.48	1.48	1.48	1.48	1.48	1.48	1.48	
23	Z	0.763	0.762	0.751	0.751	0.739	0.740	0.751	0.750	FORM C122-D

Pc2/(Pc2-Pw2) = 8.608 \*  
 3.985 \*  
 2.070 \*  
 1.478 \*  
 [Pc2/Pc2-Pw2]n = 6.290 \*  
 3.258 \*  
 1.862 \*  
 1.397 \*  
 AOF= Q 1.742 \*  
 1.590 \*  
 1.631 \*  
 1.710 \*  
 FORM C122-D \*