COMPANY :ARCO PERMAIN LEASE :"ND 17 FED COM WELL NO. : 1 Pc = 1303.2 Pc2 = 1698.3

UNIT :J SECTION : 17 TOWNSHIP : 18

L : 9416 H : 9416 L/H : 1 G/GMIX : 0.632 Pt2 = 1341.4 Pw = 1159.4

%CO2 : 0.58 %N2 : 0.39 H2S : DATE :8/6/97 1173.3 1085.9

d : 1.995 Fr :0.018231 GH : 5950.9 RANGE : 27 1026.6 1018.6

852.3 932.3

VOL 1 : 308 PSIA 1 : 1158.2 RESV.TEMP 168.2 Pc2-Pw2= 354.1 Pw2 = 1344.2

VOL 2 : 449 PSIA 2 : 1083.2 519.1 1179.3

VOL 3 : 609 PSIA 3 : 1013.2 SHUT-IN PR= 1303.2 660.8 1037.6

VOL 4 : 751 PSIA 4 : 923.2 829.1 869.2

PCR : 673 n = 1.000

TCR : 364

Pc2/(Pc2-Pw2) = 4.796

3.272

2.570

2.048

	LINE	RATE 1		RATE 2		RATE 3		RATE 4	
		1ST	2ND	1ST	2ND	1ST	2ND	1ST	2ND
1	QM	0.308	0.308	0.449	0.449	0.609	0.609	0.751	0.751
2	TW	534	534	534	534	534	534	534	534
3	Ts	628.2	628.2	628.2	628.2	628.2	628.2	628.2	628.2
4	T	581.1	581.1	581.1	581.1	581.1	581.1	581.1	581.1
	PR (est)	1.72		1.61		1.51		1.37	
5	Z(est)	0.853	0.842	0.860	0.848	0.866	0.855	0.875	0.863
6	TZ	495.9	489.1	499.6	492.9	503.3	496.7	508.2	501.7
7	GH/TZ	12.000	12.167	11.911	12.073	11.824	11.982	11.711	11.860
8	eS	1.568	1.578	1.563	1.573	1.558	1.567	1.551	1.560
9	1-e-S	0.362	0.366	0.360	0.364	0.358	0.362	0.355	0.359
10	Pt	1158.2	1158.2	1083.2	1083.2	1013.2	1013.2	923.2	923.2
11	Pt2 /1000	1341.4	1341.4	1173.3	1173.3	1026.6	1026.6	852.3	852.3
12	Fr	0.018231	0.018231	0.018231	0.018231	0.018231	0.018231	0.018231	0.0182311
13	Fc=FrTZ	9.041	8.917	9.109	8.986	9.175	9.055	9.264	9.147
14	FcQm	2.78	2.75	4.09	4.03	5.59	5.51	6.96	6.87
15	L/H(FcQm)	7.8	7.5	16.7	16.3	31.2	30.4	48.4	47.2
16	Fw	2.809769	2.763206	6.023668	5.927969	11.18287	11.00584	17.20478	16.943437
17	Pw2	1344.2	1344.2	1179.3	1179.3	1037.8	1037.6	869.5	869.2
18	Ps2	2108.2	2121.4	1843.4	1854.5	1616.8	1626.1	1348.9	1356.1
19	Ps	1452.0	1456.5	1357.7	1361.8	1271.5	1275.2	1161.4	1164.5
20	P	1305.1	1307.3	1220.5	1222.5	1142.4	1144.2	1042.3	1043.9
21	Pr	1.94	1.94	1.81	1.82	1.70	1.70	1.55	1.55
22	Tr	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60
23	Z	0.842	0.842	0.848	0.848	0.855	0.855	0.863	0.863

[Pc2/Pc2-Pw2]n = 4.796

3.272

2.570

2.048

AOF= Q 1.477

1.469

1.565

1.538

FORM C122-D