

FORM C-122E WORKSHEET FOR STEPWISE CALCULATION (SUBSURFACE) PRESSURE (P_f & P_s)

COMPANY : FINA OIL AND CHEMICAL LEASE : FED H H WELL NO. : 133 1 DATE : 12 19 91

UNIT : 0 SECTION : 33 TOWNSHIP : 19 RANGE : 32

L : 12462 H : 12462 L/H : 1.0 G/GMIX : 0.640

CO2 : 1.18 N2 : 0.67 H2S : 0

d : 2.008 Fr : 0.017480 Qm : 0.578 (L/H)(FrQm)0.000102

PCR : 674 TCR : 371

LINE	ITEM	SOURCE	1	2	3	4	5
1	H		0	6231		12462	
2	GH		0	3987.84		7975.68	DELTA P = 1066.0
3	37.56H		0	149544		299088	Ps = 4199.2
4	Pc or Pn		3133.2	3705.9	3685.4	4235.3	4235.3
5	Pr		4.65	5.50	5.47	6.28	6.28
6	T		534	596.31	596.31	658.62	658.62
7	Tr		1.44	1.61	1.61	1.78	1.78
8	Z		0.767	0.873	0.872	0.953	0.953
9	P/ZP/Z	4/8	4083.1	4243.5	4226.1	4444.3	4444.3
10	P/TZ	9/6	7.6462	7.1162	7.0870	6.7479	6.7479
11	Ln10^2/1000(10)2/100		0.05846	0.05064	0.05023	0.04553	0.04553
12	L/H(FrQm)2		0.000102	0.000102	0.000102	0.000102	0.000102
13		11+12	0.058567	0.050742	0.050328	0.045636	0.045636
14	In	10/13	130.556	140.242	140.817	147.863	147.863
15	M=Pn-Pn-1			573	552	550	517
16	N=In+In-1			270.798	271.372	288.679	288.679
17	M x N	15x16			149861		149227
18	SUM(MxN)	SUM17			149861		299088