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FORM C-122E WORKSHEET FOR STEPWISE CALCULATION (SUBSURFACE) PRESSURE ~~PS~~ & Ps7

COMPANY : PHILLIPS PETRO CO LEASE : RANGER 17 WELL NO. : 1 DATE : 5 19 92
UNIT : SECTION : 34 TOWNSHIP : 12 RANGE : 34
L : 12675 H : 12675 L/H : 1.0 G/GMIX : 1.098
CO2 : 2.24 N2 : 3.36 H2S : 0
d : 2.441 Fr : 0.010763 Qm : 3.263 (L/H)(FrQm)0.001233

PCR : 656 TCR : 508

LINE	ITEM	SOURCE	1	2	3	4	5
1	H		0	6338		12675	
2	GH		0	6958.58		113917.15	DELTA P = 2270.4
3	37.5GH		0	260947		521893	Ps = 5005.6
4	Pc or Pn		2735.2	4076.1	3953.3	5162.0	5162.0
5	Pr		4.17	6.21	6.03	7.87	7.87
6	T		534	597.375	597.375	660.75	660.75
7	Tr		1.05	1.18	1.18	1.30	1.30
8	Z		0.504	0.812	0.793	0.966	0.966
9	P/ZP/Z	4/8	5423.4	5021.6	4984.8	5346.4	5346.4
10	P/TZ	9/6	10.1561	8.4060	8.3446	8.0914	8.0914
11	Ln10*2/1000	(10)2/100	0.10315	0.07066	0.06963	0.06547	0.06547
12	L/H(FrQm)2		0.001233	0.001233	0.001233	0.001233	0.001233
13		11+12	0.104380	0.071895	0.070866	0.066703	0.066703
14	In	10/13	97.300	116.921	117.752	121.303	121.303
15	M=Pn-Pn-1			1341	1218	1209	1087
16	N=In+In-1			214.221	215.052	239.056	239.056
17	M x N	15x16			261959		259934
18	SUM(MxN)	SUM17			261959		521893