
 FORM C-122E WORKSHEET FOR STEPWISE CALCULATION (SURFACE) PRESSURE (P_c & P_w) ***

COMPANY : PHILLIPS PETRO CO LEASE : RANGER 17 WELL NO. : 1 DATE : 5 19 92 ***

UNIT : 0 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 : 3.36 ***

d : 2.441 Fr : 0.010763 Qm : 0.000 (L/H) (Fr Qm) 0.000000 ***

PCR : 656 TCR : 508 ***

LINE	ITEM	SOURCE	1	2	3	4	5	6	
1	H		12675	6338		0			***
2	GH		13917.15	6958.58		0			***
3	37.5GH		521893	260947		0			***

4	Pc or Pn		5006.7	3950.8	3934.7	2863.8	2719.9	2747.6	***
5	Pr		7.87	6.02	6.00	4.37	4.15	4.19	***
6	T		660.75	597.375	597.375	534	534	534	***
7	Tr		1.30	1.18	1.18	1.05	1.05	1.05	***
8	Z		0.966	0.793	0.790	0.508	0.508	0.505	***
9	P/ZP/Z	4/8	5347.4	4984.1	4979.1	5637.5	5354.3	5443.6	***
10	P/TZ	9/6	8.0929	8.3433	8.3350	10.5571	10.0267	10.1940	***
11	Ln10*2/1000	(10)2/100							***
12	L/H(Fr Qm)2								***
13		11+12							***
14	In	10/13	123.566	119.857	119.975	94.723	99.733	98.097	***
15	M=Pn-Pn-1			1056	1072	1071	1215	1187	***
16	N=In+In-1			243.422	243.541	214.698	219.709	218.072	***
17	M x N	15x16			261074			258876	***
18	SUM(MxN)	SUM17	521893		260819				***

DELTA P = 2231.7 ***

Pw = 2775.0 ***