

WORK SHEET FOR STEPWISE CALCULATION

(SUBSURFACE) PRESSURE (P₁ & P₂)

Form C-122-E
Adopted 9-1-65

COMPANY NATOMAS LEASE STATE COM #3 WELL NO. 1 DATE 6-20-79
 LOCATION: Unit L 12, 182 Section 23 Township 23S Range 34E
L 12, 182 H 12, 182 LH 400 GMIX 684 % CO₂ % N₂ % H₂S
 d 2.411 F_r 0.00763 M₂ 1111 (L/H) (F_r Q_m)² 1000142 P_{cs} 669 T_{cs} 385

LINE	ITEM	SOURCE	1	2	3	4	5	6	7	8	9	10
1	H											
2	GH		0	6091		12182						
3	37.5GH		0	4166		8332						
			0	156234		312468						
4	P ₀ or P _n		4243.2	4976.9	4955.4	5665.3	5625.3					
5	P _r		6.34	2.44	7.41	8.47	8.41					
6	T		534	595	595	656	656					
7	T _r		1.39	1.55	1.55	1.70	1.70					
8	Z		.852	.952	.951	1.042	1.039					
9	P/Z P/Z	4+8	4980.3	5207.9	5210.7	5436.9	5441.1					
10	P/TZ	9+6	9.326	8.786	8.758	8.288	8.253					
11	(P/TZ) ² /1000	(10+2)/1000	0.86581	0.77200	0.76694	0.68650	0.68116					
12	L/H(F _r Q _m) ²		1000142	1000142	1000142	1000142	1000142					
13		I1 + I2	0.87604	0.77823	0.77317	0.65313	0.68739					
14	I _n	I0 + I3	106.460	112501	113.267	119.572	120.066					
15	M = P _n · P _{n-1}			734	712	710	670					
16	N = I _n + I _{n-1}			219.361	219.727	232.839	233.333					
17	M x N	I5 x I6			156454		156304					
18	Σ (M x N)	Σ I7			155973							

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