

WORK SHEET FOR STEPWISE CALCULATION

(SUBSURFACE) PRESSURE (P_f & P_s)
(SURFACE) (P_c & P_w)

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

COMPANY P. R. American Petroleum Corp State AZ WELL NO. 4 DATE 3-7-69

LOCATION: Unit A Section 34 Township 12 Range 34

L 12,859 H 12,859 L/H 1 G 1.20 % CO₂ 1.85 % N₂ 4.00 % H₂S 0.00

d 2441 F_r 0.010763 Q_m 1137 M²cfd (L/H) (F_rQ_m)² 0.00150 P_{CT} 648 T_{CT} 542
(0.12338)² TABLE IX & X

LINE	ITEM	SOURCE	1	2	3	4	5	6	7	8	9	10
1	H		0	6429.5			12,859					
2	GH		0	7715.4			15,431					
3	37.5GH		0	289,328			578,663					
4	P _c or P _n		893.2	2188.2	2124.2	2123.2	3353.2	3254.2	3249.2			
5	P _r		1.38	3.38	3.28	3.28	5.17	5.02	5.01			
6	T		526	579	579	579	632	632	632			
7	T _r		0.97	1.07	1.07	1.07	1.17	1.17	1.17			
8	Z		0.190	0.467	0.454	0.454	0.704	0.689	0.688			
9	P/Z P/Z	4÷8	4701.1	4,685.7	4,678.9	4,676.7	4,763.1	4,723.1	4,722.7			
10	P/TZ	9÷6	8,937.5	8,092.7	8,081.0	8,077.2	7,536.6	7,473.3	7,472.6			
11	(P/TZ) ² /1000	(10) 2/1000	0.79879	0.65492	0.65303	0.65241	0.56800	0.55856	0.55840			
12	L/H(F _r Q _m) ²		0.00150	0.00150	0.00150	0.00150	0.00150	0.00150	0.00150			
13		11÷12	0.80029	0.65642	0.65453	0.65391	0.56950	0.56000	0.55990			
14	I _n	10÷13	111.678	123,285	123,463	123,522	132,337	133,452	133,462			
15	M=P _n -P _{n-1}			1295	1231	1230	1230	1131	1126			
16	N=I _n +I _{n-1}			234,963	235,141	235,200	255,859	256,974	256,985			
17	M x N	15 x 16				289,296			289,365			
18	Σ (M x N)	Σ 17				289,296			289,365			