

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 D. H. American Petroleum Corp LEASE State 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 2.441 F_r 0.010763 Q_m 1.137 M²-cfd (L/H) (F_rQ_m)² 0.00150 P_{CT} 648 T_{CT} 542
TABLE IX & X

$$p = \frac{1,735,989}{7,14,741} = 2,331 \quad R_w = 3,249.2 - 2,331 = 918.2$$

LINE	ITEM	SOURCE	1	2	3	4	5	6	7	8	9	10
1	H		12,859	6429.5		0						
2	GH		15,431	7715.4		0						
3	37.5GH		578,663	289,328		0						
4	P _c or P _n		3249.2	2168.2	2125.2	1002.2	967.2	936.2	920.2	919.2		
5	P _r		5,01	3,35	3,28	1,55	1,49	1,44	1,43	1,42		
6	T		632	579	579	526	526	526	526	526		
7	T _r		1,17	1,07	1,07	0,97	0,97	0,97	0,97	0,97		
8	Z		0,688	0,463	0,454	0,240	0,220	0,210	0,205	0,203		
9	P/Z P/Z	4=8	4,722.7	4,682.9	4,681.1	4,175.8	4,396.4	4,458.1	4,527.8	4,528.1		
10	P/TZ	9=6	7,472.6	8,087.9	8,084.8	7,933.8	8,358.1	8,475.5	8,605.0	8,608.6		
11	(P/TZ) ² /1000	(10) ² /1000										
12	L/H(F _r Q _m) ²											
13	I _n	I ₁ + I ₂										
14	I _n	I ₀ + I ₃	133,322	123,641	123,689	125,964	119,644	117,987	116,171	116,162		
15	M = P _n - P _{n-1}			1081	1124	1123	1158	1189	1197	1206		
16	N = I _n + I _{n-1}			257,463	257,511	249,653	243,333	241,676	239,860	239,552		
17	M x N	I ₅ x I ₆			289,442					289,262		
18	Σ (M x N)	Σ I ₇	578,663		289,221							