

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 Adobe Oil Company LEASE Smith Federal WELL NO. 1 DATE 3/3/73
LOCATION: Unit G Section 14 Township 23S Range 24E
L 9374 H 9374 L/H 1.000 G G .587 % CO₂ .0110 % N₂ .0029 % H₂S .09 Gr/CGF
P = $\frac{652.050}{2142.373} + \frac{d_{Annulus} F_f 004600 Q_m 2.081}{1237.2 = 304.4 + 1237.2 = 1541.6} M^2_{ctd} (L/H) (F_f Q_m)^2 .000092 P_{ct} \frac{672}{TABLE IX \& X} T_{ct} \frac{350}{TABLE IX \& X}$

LINE	ITEM	SOURCE	1	2	3	4	5	6	7	8	9	10
1	H			0	4937		9874					
2	GH			0	2898		5796					
3	37.5GH			0	108.675		217.350					
4	P _c or P _n		1237.2	1396.0	1392.7	1547.9	1512.1					
5	P _f		1.84	2.08	2.07	2.30	2.29					
6	I			518	576.5	576.5	635	635				
7	I _f			1.48	1.65	1.65	1.81	1.81				
8	Z			.826	.874	.874	.911	.911				
9	P/Z P/Z	4-8	1497.8	1597.3	1593.5	1699.1	1692.8					
10	P/TZ	9-5	2.8915	2.7707	2.7641	2.6757	2.6658					
11	(P/TZ) 2/1000 (10 2/1000)		.008361	.007677	.007640	.007159	.007106					
12	L/H (F _f Q _m) ²		.000092	.000092	.000092	.000092	.000092					
13		11 + 12	.008453	.007769	.007732	.007251	.007198					
14	I _n	10-13	342.068	356.635	357.488	369.011	370.353					
15	M = P _n - P _{n-1}			158.8	155.5	155.2	145.4					
16	N = I _n + I _{n-1}			698.703	699.556	726.499	727.841					
17	M x N	15 x 16			108.781		108.739					
18	Σ (M x N)	Σ 17			108.781		217.520					