

WORK SHEET FOR STEPWISE CALCULATION

(SUBSURFACE) PRESSURE (P_f & P_s)
~~SURFACE~~

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

COMPANY Adobe Oil Company LEASE Smith Federal WELL NO. 1 DATE 10/21/72

LOCATION: Unit G Section 14 Township 23 S Range 24 E

L 9874 H 9874 L/H 1.000 G .587 % CO₂ .0011 % N₂ .0029 % H₂S .09 Gr/CCF

d Annulus F_p 0046000 Q_m 3.128 M²cfd (L/H) (F_rQ_m)² .000207 P_{cr} 672 T_{cr} 350

P = 652,050 + 1220.2 = 303.9 + 1220.2 = 1524.1
2145.587

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		1220.2	1377.1	1374.7	1529.0	1524.4					
5	P _r		1.82	2.05	2.05	2.28	2.27					
6	T		520	577.5	577.5	635	635					
7	T _r		1.49	1.65	1.65	1.81	1.81					
8	Z		.834	.875	.875	.912	.912					
9	P/Z P/Z	4÷8	1463.1	1573.8	1571.1	1676.5	1671.5					
10	P/TZ	9÷6	2.8136	2.7252	2.7205	2.6402	2.6323					
11	(P/TZ) 2/1000	(10) 2/1000	.007916	.007427	.007401	.006971	.006929					
12	L/H(F _r Q _m) ²		.000207	.000207	.000207	.000207	.000207					
13		I ₁ + I ₂	.008123	.007634	.007608	.007178	.007136					
14	I _n	I ₀ ÷ I ₃	346.375	356.982	357.584	367.818	368.826					
15	M = P _n - P _{n-1}			156.9	154.5	154.3	149.7					
16	N = I _n + I _{n-1}			703.357	703.959	725.402	726.460					
17	M x N	I ₅ x I ₆			108,761		108,751					
18	Σ (M x N)	Σ I ₇			108,761		217,512					