

WORK SHEET FOR STEPWISE CALCULATION
(SURFACE) PRESSURE (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 9874 H 9874 L/H 1.000 G .587 % CO₂ .0110 % N₂ .0029 % H₂S .09 Gr/CGF
P = $\frac{652.050}{2155.675} = 301.1$ Annulus P₁ $\frac{0046007}{2.081}$ M₂ cfd (L/H) (F₁ Q_m)² $\frac{.000092}{.672}$ P_{cf} $\frac{672}{350}$ T_{cf}
P_w = 1541.6 - 301.1 = 1240.5

LINE	ITEM	SOURCE	1	2	3	4	5	6	7	8	9	10
1	H		9874	4937		0						
2	GH		5796	2898		0						
3	37.5GH		217,350	108,675		0						
4	P _c or P _n		1541.6	1396.8	1393.9	1246.6	1239.7	1240.3				
5	P ₁		2.29	2.08	2.07	1.86	1.84	1.85				
6	T		635	576.5	576.5	518	518	518				
7	T ₁		1.81	1.65	1.65	1.48	1.48	1.48				
8	Z		.911	.874	.874	.824	.826	.825				
9	P/Z P/Z	4.8	1692.2	1598.2	1594.9	1512.9	1500.8	1503.4				
10	P/TZ	9.6	2.6649	2.7722	2.7665	2.9207	2.8973	2.9023				
11	(P/TZ) ² /1000	(10) 2/1000										
12	L/H (F ₁ Q _m) ²											
13		I ₁ + I ₂										
14	I _n	I ₀ + I ₃	375.249	360.724	361.468	342.384	345.149	344.554				
15	M = P _n - P _{n-1}			144.8	147.7	147.3	154.2	153.6				
16	N = I _n + I _{n-1}			735.973	736.717	703.852	706.617	706.022				
17	M x N	I ₅ x I ₆			108,813							
18	Σ (M x N)	Σ I ₇	217,350		108,537							