

WORK SHEET FOR STEPWISE CALCULATION

2883052820000 PRESSURE (P_c & P_w)
(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 0.0046007 Q_m 0.817 M²cfd (L/H) (F_rQ_m)² .000014 P_{ci} 672 T_{ci} 350

P = $\frac{652.050}{1017.110} - 641.1$ P_w = 3175.8 - 641.1 = 2534.7

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		3175.8	2876.2	2865.7	2556.3	2532.8	2533.7				
5	P _r		4.73	4.28	4.26	3.80	3.77	3.77				
6	T		635	577.5	577.5	520	520	520				
7	T _r		1.81	1.65	1.65	1.49	1.49	1.49				
8	Z		.907	.842	.841	.770	.769	.769				
9	P/Z P/Z	4÷8	3501.2	3415.9	3407.5	3319.9	3293.6	3294.8				
10	P/TZ	9÷6	5.5137	5.9150	5.9004	6.3844	6.3338	6.3362				
11	(P/TZ) ² /1000	(10) 2/1000										
12	L/H(F _r Q _m) ²											
13	I ₁ + I ₂											
14	I _n	I ₀ -I ₃	181.367	169.062	169.480	156.632	157.883	157.823				
15	M=P _n -P _{n-1}			299.6	310.1	309.4	332.9	331.6				
16	N=I _n +I _{n-1}			350.429	350.847	326.112	327.363	327.303				
17	M x N	I ₅ x I ₆			108.798							
18	Σ (M x N)	Σ I ₇			108.552							