

WORK SHEET FOR STEPWISE CALCULATION
(SUBSURFACE PRESSURE (P_f & P_s)
(SURFACE) (P_c & P_w)

Form C-122E
Adopted 9-1-65

COMPANY Sun Oil Co LEASE Bosle Flats Unit WELL NO. 8 DATE 1-9-66

LOCATION: Unit G Section 5 Township 22 S Range 23 E

L 6951 H 6900 L/H 1.0 G 656 % CO₂ 0 % N₂ .89 % H₂S .9

d 1945 F_r .015689 m 8.765 M_{std} (L/H) (F_rQ_m)² .017472 P_{cr} 670 T_{cr} 315
TABLE IX & X

Local Friction Factor NS Suggested 1.0 Appendix C

LINE	ITEM	SOURCE	1	2	3	4	5	6	7	8	9	10
1	H		0	3450		6900						
2	GH		0	2263.2		4526.4						
3	37.5GH		0	84870		169740						
4	P ₀ or P _n		2070.2	24350	2437.7	2805.3	2810.7					
5	P _r		3.0898	3.634	3.635	4.187	4.195					
6	T		5.37	56.3	56.3	539	589					
7	T _r		1.432	1.501	1.501	1.571	1.571					
8	Z		.728	.771	.771	.810	.810					
9	P/Z	4-8	2843.6	3158.2	3161.7	3463.3	3470.0					
10	P/TZ	9-6	57.295	57.610	57.616	57.880	57.891					
11	(P/TZ) ² /1000	10-2/1000	.028657	.031472	.031534	.034574	.034704					
12	L/H(F _r Q _m) ²		.017477	.017477	.017477	.017477	.017477					
13		11 + 12	.045574	.048749	.049016	.052051	.052181					
14	I _n	10-13	116.338	114.607	114.575	112.966	112.900					
15	M=P _n -P _{n-1}			3641.8	367.5	3676.0	373.0	373.1				
16	N=I _n +I _{n-1}			230.947	230.913	227.541	227.475					
17	M x N	15 x 16		84861		84848						
18	Σ (M x N)	Σ 17		84861		169709						

WORK SHEET FOR STEPWISE CALCULATION (SURFACE) PRESSURE (P_f & P_s)

Form C-1225
Adapted 4-1-65

COMPANY _____ LEASE _____ WELL NO. _____ DATE _____

LOCATION: Unit _____ Section _____ Township _____ Range _____

L _____ H _____ I/H _____ % N₂ _____

F₁ _____ F₂ 0.050880 0.763 M₁ _____ M₂ _____

TABLE 1 & 2

LINE	ITEM	SOURCE	1	2	3	4	5	6	7	8	9	10
1	H		6900	3450		0						
2	OH		4526.4	2263.2		0						
			169.740	84876		0						
4			2310.7	2560.7	2560.9	2311.0	2310.1					
			4.195	3.822	3.822	3.449	3.448					
6			569	563	563	537	537					
7			1.571	1.561	1.561	1.432	1.432					
8			.810	.773	.773	.725	.725					
9		4.8	3470.0	3312.7	3312.9	3187.6	3186.3					
10		4.6	5.871	5.884	5.884	5.936	5.934					
11	1000-1000-1000-1000											
12	1000-1000-1000-1000											
13	1000-1000-1000-1000											
14	1000-1000-1000-1000		169.750	169.952	169.952	168.463	168.526					
15	1000-1000-1000-1000			250.0	249.8	249.9	250.8	250.8				
16	1000-1000-1000-1000			339.702	339.702	338.415	338.472					
17	1000-1000-1000-1000				84858							
18	Σ(MxN)	Σ17	169740		84882							

120 = 2310

One copy to be filed in District Office (Work Copy given to file)