

WORK SHEET FOR STEPWISE CALCULATION

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

2nd

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

COMPANY GULF OIL EXPL. & PROPR ASE LANGLIE FED. A COM WELL NO. 1 DATE June 14, 1982

LOCATION: Unit K Section 9 Township 19S Range 33E

L 13470 H 13470 L/H 10000 G .648 % CO₂ .808 % N₂ .589 % H₂S

d 1.995 P_f 01823 b_m 1.524 M²cfd (L/H) (F_fQ_m)² .000772 P_{cr} 670 T_{cr} 375

TABLE 11 & 12

LINE	ITEM	SOURCE	1	2	3	4	5	6	7	8	9	10
1	H		0	6735		13470						
2	GH		0	4364.3		8728.6						
3	37.5GH		0	163660		327321						
4	P _g or P _n		3798.2	4511.0	4488.1	5175.2	5133.6		Ps =	5130.3		
5	P _r		5.67	6.73	6.70	7.72	7.66					
6	T		534	601.5	601.5	669	669					
7	T _r		1.42	1.60	1.60	1.78	1.78					
8	Z		.825	.929	.928	1.020	1.017					
9	P/Z P/Z	4÷8	4603.9	4855.8	4836.3	5073.8	5047.8					
10	P/TZ	9÷6	8.6215	8.0728	8.0404	7.5841	7.5453					
11	(P/TZ) ² /1000	(10) 2/1000	.074330	.065170	.064649	.057518	.056932					
12	L/H(F _f Q _m) ²		.000772	.000772	.000772	.000772	.000772					
13		11 + 12	.075102	.065942	.065421	.058290	.057704					
14	I _n	10÷13	114.797	122.423	122.903	130.110	130.759					
15	M=P _n ·P _{n-1}			713	690	687	646					
16	N=I _n +I _{n-1}			237.220	237.700	253.013	253.662					
17	M x N	15 x 16			163991		163749					
18	Σ (M x N)	Σ 17			163330							

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JUN 28 1982

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JUN 18 1982

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