

WORK SHEET FOR STEPWISE CALCULATION

(SURFACE) PRESSURE (P_c & P_w)

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

1st

COMPANY GULF OIL EXPL. & PROD. LEASE LANGLEIE 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 1,000 G 648 % CO₂ 808 % N₂ 589 % H₂S

d 1.995 F_r 0.018231 Q_m 0 M² cfd (L/H) (F_r Q_m)² 0 P_{CT} T_{CT}

TABLE 1A & B

LINE	ITEM	SOURCE	1	2	3	4	5	6	7	8	9	10
1	H		13470	6735		0						
2	GH		8728.6	4364.3		0						
3	37.5GH		327321	163660		0						
4	P _c or P _n		5501.8	4856.6	4835.4	4170.5	4115.6	4117.3		P _w = 4122.0		
5	P _r		8.21	7.25	7.22	6.22	6.14	6.15				
6	T		669	601.5	601.5	534	534	534				
7	T _r		1.78	1.60	1.60	1.42	1.42	1.42				
8	Z		1.043	.959	.957	.844	.837	.838				
9	P/Z P/Z	4÷8	5275.0	5064.2	5052.7	4941.4	4917.1	4913.2				
10	P/TZ	9÷6	7.8849	8.4193	8.4002	9.2535	9.2080	9.2008				
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	126.824	118.775	119.044	108.067	108.601	108.686				
15	M = P _n - P _{n-1}			645	666	665	720	718				
16	N = I _n + I _{n-1}			245.599	245.868	227.111	227.646	227.731				
17	M x N	I ₅ x I ₆			163840			163542				
18	Σ (M x N)	Σ I ₇			163481							

RECEIVED

JUN 28 1982

O. G. RECEIVED
HOBBS OFFICE

JUN 18 1982

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