

WORK SHEET FOR STEPWISE CALCULATION

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

2nd

COMPANY GULF OIL EXPL. & PROD. LEASE 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 1.000 G .648 % CO₂ .808 % N₂ .589 % H₂S

d1 1.995 r_i 0.018231 Q_m 0 M²cfd (L/H) (F_rQ_m)² 0 P_{cr} T_{cr}

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		5130.3	4513.3	4492.4	3856.0	3801.0	3803.3		P _w = 3807.8		
5	P _r		7.66	6.74	6.71	5.76	5.67	5.68				
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		1.017	.930	.928	.810	.804	.804				
9	P/Z P/Z	4÷8	5044.5	4852.9	4840.9	4760.6	4727.6	4730.5				
10	P/TZ	9÷6	7.5404	8.0681	8.0481	8.9149	8.8532	8.8585				
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	132.619	123.945	124.254	112.172	112.954	112.887				
15	M=P _n ·P _{n-1}			617	638	636	691	689				
16	N=I _n + I _{n-1}			256.564	256.873	236.425	237.208	237.140				
17	M x N	I ₅ x I ₆			163857			163418				
18	Σ (M x N)	Σ I ₇			163464							

RECEIVED

JUN 28 1982

JUN 18 1982
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