

WORK SHEET FOR STEPWISE CALCULATION

(SUBSURFACE) PRESSURE (P₁ & P₂)
(XXXXXXXXXX)

4th

Form C-121-E
Adopted 9-1-65

COMPANY Liberty Oil & Gas LEASE Lee Federal Com WELL NO. 2 DATE 3/29/83

LOCATION: Unit _____ Section 25 Township 20s Range 20e

L 10619 H 10619 L/H 1,000 G 6444 % CO₂ 391 % N₂ 1.970 % H₂S _____

d 1.995 F_r 0.18231 Q_m 680 M²cid (L/H) (F_rQ_m)² 0.000154 P_{cr} 670 T_{cr} 372

TABLE 10.0.0

LINE	ITEM	SOURCE	1	2	3	4	5	6	7	8	9	10
1	H		0	5309.5		10619						
2	GH		0	3421.4		6842.9						
3	37.5GH		0	128304		256608						
4	P _c or P _n		2973.2	3443.9	3430.0	3885.5	3865.5			Ps=3862.1		
5	P _r		4.44	5.14	5.12	5.80	5.77					
6	T		534	587	587	640	640					
7	T _r		1.44	1.58	1.58	1.72	1.72					
8	Z		.761	.851	.850	.909	.908					
9	P/Z P/Z	4÷8	3907.0	4046.9	4035.3	4274.5	4257.1					
10	P/TZ	9÷6	7.3164	6.8942	6.8745	6.6788	6.6518					
11	(P/TZ) ² /1000	10÷2/1000	.053530	.047530	.047258	.044607	.044246					
12	L/H(F _r Q _m) ²		.000154	.000154	.000154	.000154	.000154					
13		11÷12	.053684	.047684	.047412	.044761	.044400					
14	I _n	10÷13	136.287	144.581	144.994	149.211	149.815					
15	M=P _n -P _{n-1}			471	457	455	435					
16	N=I _n +I _{n-1}			280.868	281.281	294.205	294.809					
17	M x N	15 x 16			128493		128378					
18	Σ (M x N)	Σ 17			128115							