

WORK SHEET FOR STEPWISE CALCULATION

(SUBSURFACE)
KXREAKEKX

PRESSURE (P_i & P_s)
(KXREAKEKX)

1st

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

COMPANY Liberty Oil & Gas LEASE Lee Federal Com

WELL NO. 2

DATE 3/27/83

LOCATION: Unit 11230 Section 25 Township 20s

Range 28e

L 11230 H 11230 L/H 1.000 G mix .6355 % CO₂ .990 % N₂ .446 % H₂S

d 1.995 F_i .0182 m 2.656 M²cfd (L/H) (F_iQ_m)² .002345 P_{cr} 670 T_{cr} 372

TABLE 12.2

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LINE	ITEM	SOURCE	1	2	3	4	5	6	7	8	9	10
1	H		0	5615		11230						
2	GH		0	3568.3		7136.7						
3	37.5GH		0	133,812		267,625						
4	P _c or P _n		3338.2	3890.0	3874.3	4408.8	4386.0		Ps = 4382.2			
5	P _r		4.98	5.81	5.78	6.58	6.55					
6	T		534	590	590	646	646					
7	T _r		1.44	1.59	1.59	1.74	1.74					
8	Z		.786	.882	.881	.944	.943					
9	P/Z P/Z	4-8	4247.1	4410.5	4397.6	4670.4	4651.1					
10	P/TZ	9-6	7.9533	7.4754	7.4535	7.2297	7.1999					
11	(P/TZ)/2/1000	(10)2/1000	063255	.055882	.055555	.052268	.051839					
12	L/H(F _i Q _m) ²		.002345	.002345	.002345	.002345	.002345					
13		I ₁ + I ₂	.065600	.058227	.057900	.054613	.054184					
14	I _n	I ₀ ÷ I ₃	121.240	128.384	128.731	132.380	132.879					
15	M = P _n - P _{n-1}			552	536	535	512					
16	N = I _n + I _{n-1}			249.623	249.970	261.111	261.609					
17	M x N	I ₅ x I ₆			133998		133882					
18	Σ (M x N)	Σ I ₇			133627							