

(SUBSURFACE) PRESSURE (P_c & P_w)

WORK SHEET FOR STEPWISE CALCULATION

Form C-122-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 .08231 Q_m 0 M² cfd (L/H) (F_r Q_m)² 0 P_{cr} 670 T_{cr} 372

LINE	ITEM	SOURCE	1	2	3	4	5	6	7	8	9	10
1	H		10619	5309.5		0						
2	GH		6842.9	3421.4		0						
3	37.5GH		256608	128304		0						
4	P _c or P _n		3862.1	3435.3	3428.2	2994.7	2972.5	2973.8			P _w =2976.3	
5	P _r		5.76	5.13	5.12	4.47	4.44	4.44				
6	T		640	587	587	534	534	534				
7	T _r		1.72	1.58	1.58	1.44	1.44	1.44				
8	Z		.907	.851	.850	.762	.761	.761				
9	P/Z P/Z	4-8	4258.1	4036.8	4033.2	3930.1	3906.0	3907.8				
10	P/TZ	9-6	6.6533	6.8769	6.8709	7.3597	7.3147	7.3180				
11	(P/TZ) ² /1000	10-2/1000										
12	L/H(F _r Q _m) ²											
13	I ₁ + I ₂											
14	I _n		150.301	145.415	145.541	135.875	136.711	136.649				
15	M=P _n -P _{n-1}			427	434	434	456	454				
16	N=I _n +I _{n-1}			295.716	295.842	281.416	282.252	282.190				
17	M x N				128359			128221				
18	Σ (M x N)				128249							