

WORK SHEET FOR STEPWISE CALCULATION

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

5th

XXXXXX PRESSURE (P_c & P_w)
XXXXXX
XXXXXX

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 .018213 Q_m 0 M²cid (L/H) (F_rQ_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		3459.2	3066.9	3061.5	2664.5	2646.1	2647.3		P _w =2649.7		
5	P _r		5.16	4.58	4.57	3.98	3.95	3.95				
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		.884	.831	.831	.745	.744	.744				
9	P/Z P/Z	4÷8	3913.1	3690.7	3684.1	3576.5	3556.7	3558.2				
10	P/TZ	9÷5	6.1143	6.2874	6.2761	6.6975	6.6604	6.6632				
11	(P/TZ) ² /1000	10 ² /1000										
12	L/H(F _r Q _m) ²											
13		11 + 12										
14	I _n	10÷13	163.550	159.047	159.335	149.309	150.141	150.078				
15	M=P _n ·P _n ⁻¹			392	398	397	415	414				
16	N=I _n + I _n - 1			322.597	322.885	308.645	309.476	309.414				
17	M × N	15 × 16			128419			128163				
18	Σ (M × N)	Σ 17			128189							