

WORK SHEET FOR STEPWISE CALCULATION

(SUBSURFACE) PRESSURE (P_f & P_s)
(SURFACE) (P_c & P_w)

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

COMPANY Jake J. Harrison LEASE Union 55 Feed WELL NO. 11 DATE 2-12-84
LOCATION: Unit E Section 35 Township 22 S Range 20 E

L 11,430 H 11,430 L/H 1.00 G 1580 % CO₂ _____ % N₂ _____ % H₂S _____
F₁ 210763 Q_m 2545 M₂CH (L/H) (F₁Q_m)^{1/2} 100070 P_{cs} 672 T_{cs} 350

TABLE IX & X

LINE	ITEM	SOURCE	1	2	3	4	5	6	7	8	9	10
1	H			5715		11430						
2	GH			3315		6629						
3	37.5GH			124301		248603						
4	P _c or P _n		3498.2	4000.6	3981.7	4463.5	4436.5	4432.1				
5	P _r		521	545	593	664	660					
6	T		534	591	591	648	648					
7	T _r		153	169	169	185	185					
8	Z		820	915	914	972	970					
9	P/Z P/Z	4÷8	4246.1	4322	4356.4	4592.1	4573.7					
10	P/TZ	9÷6	7989	7398	7371	7086	7058					
11	(P/TZ) ² /1000	(10) 2/1000	663823	1054730	1059335	1050219	1049817					
12	L/H(F ₁ Q _m) ²		1000750	1000750	1000750	1000750	1000750					
13		11÷12	1064523	1055480	1055085	1050969	1050568					
14	I _n	10÷13	123.719	133.345	133.816	139.036	139.579					
15	M=P _n -P _{n-1}			502	483	481	454					
16	N=I _n +I _{n-1}			257.1	257.5	270.9	273.4					
17	M x N	15x16			124528		124321					
18	Σ(M x N)	Σ17			124074							