

WORK SHEET FOR STEPWISE CALCULATION

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

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

COMPANY Shannon oil Co. LEASE Union 35 Fed WELL NO. 11 DATE 7-12-84
LOCATION: Unit E Section 35 Township 22S Range 28E

L 11,430 H 11,430 L/H 1.00 G 1580 % CO₂ _____ % N₂ _____ % H₂S _____
F_r 2.441 Q_m _____ M² ft³ (L/H) (F_r Q_m)² _____ P_c 672 T_{cc} 350

TABLE IX & X

LINE	ITEM	SOURCE	1	2	3	4	5	6	7	8	9	10
1	H		11430	5715								
2	GH		6629	3315								
3	37.5GH		248603	124301								
4	P _c or P _n		4432.1	3943.9	3983.7	35359	3505.8	3507.2	P _w = 3509.5			
5	P _r		6.60	5.94	5.93	5.26	5.22	5.22				
6	T		648	591	591	534	534	534				
7	T _r		185	1.69	1.69	1.53	1.53	1.53				
8	Z		1970	1915	1914	1823	1821	1821				
9	P/Z P/Z	4-8	4569.2	4364.9	4358.5	4296.4	4270.1	4271.6				
10	P/TZ	9-6	7.051	7.386	7.375	8.045	7.996	7.999				
11	(P/TZ) ² /1000	(10) 2/1000										
12	L/H (F _r Q _m) ²											
13	I ₁ + I ₂											
14	I _n	I ₀ + I ₃	141.820	135.399	135.596	124.289	125.055	125.005				
15	M = P _n - P _{n-1}			438	448	449	477	477				
16	N = I _n + I _{n-1}			277.2	277.4	255.8	260.7	260.6				
17	M x N	I ₅ x I ₆			124368			124190				
18	Σ (M x N)	Σ I ₇			124213							