

WORK SHEET FOR STEPWISE CALCULATION

(SUBSURFACE) PRESSURE (P_f & P_s)
~~(SURFACE)~~

COMPANY Hannon Oil Co. Lease 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 _____
a 2.441 F_r 1010²⁰ Q_m 1761 M₂-fd (L/H) (F_r Q_m)² P_{cr} 672 T_{cr} 350

TABLE IX & X

LINE	ITEM	SOURCE	1	2	3	4	5	6	7	8	9	10
1	H		11430	5715		0						
2	GH		6629	3315		0						
3	37.5GH		248603	124301		0						
4	P ₀ or P _n		5778.5	5257.1	5243.7	4705.6	4673.7	4674.9	P ₀ =	4678.2		
5	P _r		8.60	7.82	7.80	7.00	6.95	6.96				
6	T		648	591	591	534	534	534				
7	T _r		1.85	1.69	1.69	1.53	1.53	1.53				
8	Z		11063	1.007	1.006	922	919	920				
9	P/Z P/Z	4÷8	5436.0	5220.6	5212.4	5108.1	5085.7	5081.4				
10	P/TZ	9÷6	8.389	8.833	8.820	9.57	9.524	9.516				
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	119.205	113.206	113.384	104.540	105.001	105.088				
15	M = P _n - P _{n-1}			52114	534	534	570	569				
16	N = I _n + I _{n-1}			232.14	232.6	217.9	218.4	218.472				
17	M x N	I ₅ x I ₆			124396			124346				
18	Σ (M x N)	Σ I ₇			124,206							