

WORK SHEET FOR STEPWISE CALCULATION

APPROXIMATE PRESSURE (SURFACE) (P_c & P_w) DATE NO. 2 FORM C-1122-E

MPANY _____ LEASE _____ WELL NO. _____ DATE _____

CATION: UNIT _____ SECTION _____ TOWNSHIP _____ RANGE _____
 7400 H 7400 L/H 1.00 G 0.717 % CO₂ 0.89 % N₂ 1.54 % H₂S 0.00
 d _____ F_r _____ Q_m _____ M_{cfd}² (L/H) (F_r Q_m)² _____ P_{cr} _____ T_{cr} _____

NE	ITEM	SOURCE	1	2	3	4	5	6	7	8	9	10
1	H		7400	3700		0						
2	H		5306	2653		0						
3	37.5GH		198968	99484		0						
4	P _c or P _n		2832.4	2477.7	2488.8	2144.6	2167.6					
5	P _r		4.24	3.71	3.73	3.21	3.24					
6	T		553	541	541	530	530					
7	T _r		1.39	1.36	1.36	1.33	1.33					
8	Z		0.719	0.683	0.684	0.651	0.652					
9	P/Z P/Z		3939.36	3626.66	3637.46	3293.27	3326.52					
10	P/TZ		9 ÷ 6	7.1301	6.7005	6.2137	6.2765					
1	P/TZ ² /1000		(10 ² /1000)									
2	μ/H(F _r Q _m) ²											
3			11 + 12									
4	I _n		10 ÷ 13	140.251	149.242	148.799	160.934	159.326				
5	M=P _n -P _{n-1}			355	344	344	321	323				
6	N=1 _n +1 _{n-1}			289.493	289.050	309.733	308.124					
7	M x N		15 x 16		99433		98908					
8	Σ (M x N)		Σ 17		99433		198341					

Delta P = $\frac{3[198968]}{140.251 + 4[148.799] + 159.326} = \frac{596903}{894.773} = 667.1$ P = 2832.4 - 667.1 = 2165.3