

WORK SHEET FOR STEPWISE CALCULATION
(SUBSURFACE) PRESSURE (P_c & P_w)

Form C-120-E
Adapted 9-1-65

COMPANY W. Tor North 100 LEASE Tonto State Co. WELL NO. #1 DATE 12-11-71

LOCATION: Unit 5 Section 32 Township 19 Range 33

L 17125 H 13131 LH 1000 G max 818 % CO₂ 69.3 % N₂ 156.2 % H₂S 114

d 2441 F₁ 21563 Q_m 0 M₂ ch (L/H) (F₁ Q_m)² 0 P_c 665 T_{ct} 428

TABLE 1X & Y

Rate: 1

LINE	ITEM	SOURCE	1	2	3	4	5	6	7	8	9	10
1	H		13125	62025		0						
2	GH		42926.2	5368.1		0						
3	37.5GH		422607	201305		0						
4	P _c or P _n		50817	42412	80087	34501	34515	31125	(P _w = 5410.1)			
5	P _r		7.64	6.45	6.22	5.22	5.10	5.12				
6	I		665	597.5	599.5	534	534	534				
7	T _r		1.55	1.40	1.40	1.25	1.25	1.25				
8	Z		.973	.861	.834	.725	.719	.719				
9	P/Z or P/Z	4+8	5222.7	4980.9	4967.4	4769.7	4753.0	4739.2				
10	P/TZ	9+5	7.6537	8.3136	8.2875	8.9720	8.8671	8.8750				
11	(P/TZ) 2/1000 (10) 2/1000											
12	L/H (F ₁ Q _m) ²											
13	I ₁ + I ₂											
14	I _n	10+13	127.325	120.235	120.630	111.956	115.777	112.676				
15	M = P _n - P _{n-1}			790	813	811	864	861				
16	N = I _n + I _{n-1}			247.613	242.966	238.597	238.415	233.314				
17	M x N	15x16			201,591			200,931				
18	Σ (M x N)	Σ 17			201,017			201,676				