

WORK SHEET FOR STEPWISE CALCULATION

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

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

COMPANY W. T. North 191C LEASE Tonto State Corp WELL NO. #1 DATE 12-11-91

LOCATION: Unit J Section 32 Township 19 Range 33

L 13125 H 13125 LH 1000 G 1818 %CO₂ 16.98 %N₂ 56 %H₂S 1011

d 24111 F 0.10263 Q_m 0 M_{std} (L/H) (F₁Q_m)² 0 P_{ct} 665 T_{ct} 428

TABLE IX & X

Rate: 2

LINE	ITEM	SOURCE	1	2	3	4	5	6	7	8	9	10
1	H		13125	62605		0						
2	GH		100736.2	536811		0						
3	37.SGH		402609	201305		0						
4	P _c or P _n		47107.1	4002.8	39807	3195.8	310413	31469				
5	P _r		7.17	6.02	5.99	4.61	4.73	4.73				
6	T		665	599.5	599.5	534	534	534				
7	T _r		1.55	1.40	1.40	1.23	1.23	1.23				
8	Z		1944	1830	1827	1694	1687	1687				
9	P/Z P/Z	4÷8	5049.9	4822.6	4813.5	4604.9	4577.2	4580.7				
10	P/TZ	9÷6	75458	8.0044	8.0291	8.6233	8.5715	8.5781				
11	(P/TZ) ² /1000	(10) 2/1000										
12	L/H(F _r Q _m) ²											
13	I _n	I ₁ + I ₂										
14	I _n	I ₀ - I ₃	131.686	124.310	124.516	115.462	116.666	116.575				
15	M = P _n - P _{n-1}			764	786	735	836	834				
16	N = I _n + I _{n-1}			255.996	256.232	240.508	241.212	241.121				
17	M x N	I ₅ x I ₆			201,490			201,043				
18	Σ (M x N)	Σ I ₇			201,119			201,566				