

WORK SHEET FOR STEPWISE CALCULATION

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

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

COMPANY INTEGRAL NORTH, INC. LEASE TOWN OF STAFFORD WELL NO. 1 DATE 12-11-81

LOCATION: Unit 5 Section 32 Township 19 Range 33

18100 H 18100 L/H 1.55 G 8.13 % CO₂ 1.19 % N₂ 1.1 % H₂S 1.1

18100 F_r 0.15 Q_m 1.471 M₂ old (L/H) (F_r Q_m)² 0.00025 P_c 665 T_{cr} 228

REPORT

LINE	ITEM	SOURCE	1	2	3	4	5	6	7	8	9	10
1	H		0	6562.5		13125						
2	GH		0	5368.13		10736.23						
3	37.5GH		0	201305		405609						
4	P _c or P _h		3147.2	4010.9	3984.1	4818.3	4791.3	4761.1				
5	P _r		41.22	6.03	5.97	7.25	7.19					
6	T		534	599.5	597.5	665	665					
7	T _r		1.25	1.40	1.40	1.55	1.55					
8	Z		1687	1830	1827	1949	1944					
9	P/Z P/Z	4-8	4581.1	4832.5	4817.5	5071.3	5054.2					
10	P/TZ	9-6	8,578.8	8,060.87	8,035.2	7,634.9	7,600.5					
11	(P/TZ) ² /1000	(10) 2/1000	1,0735.95	1,0649.9	1,0645.76	1,0582.3	1,0571.67					
12	L/H(F _r Q _m) ²		1,000.25	1,000.25	1,000.25	1,000.25	1,000.25					
13		I ₁ + I ₂	1,0736.20	1,0650.2	1,0646.01	1,0585.8	1,0571.92					
14	I _n	I ₀ + I ₃	116,527	124,008	124,393	130,920	131,513					
15	M = P _n - P _{n-1}			863,770	836,504	834,227	987,194					
16	N = I _n + I _{n-1}			240,535	240,920	252,213	255,905					
17	M x N	I ₅ x I ₆			201,427		201,449					
18	Σ (M x N)	Σ I ₇			200,982		201,157					