

WORK SHEET FOR STEPWISE CALCULATION

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

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

COMPANY Caraco, Petro Co. LEASE East Smith Ranch WELL NO. Fed No. #1 DATE 2-20-82
 LOCATION: Unit 12 Section 12 Township 20 S Range 33 E

13220 H 13220 L/H 1.000 Gmd 843 % CO₂ 1.002 % N₂ 1.091 % H₂S
 d 1.995 F_r 101822 Q_m 0 M²cfd (L/H) (F_r Q_m)² 0 P_c 6.64 T_{cr} 428

TABLE IX & X

LINE	ITEM	SOURCE	1	2	3	4	5	6	7	8	9	10
1	H		13237	6618.5								
2	GH		11158.8	5529.4		0						
3	37.5GH		418454	209227		0						
4	P _c or P _n		4248.8	3495.5	3471.5	2697.4	2643.6	2647.0				
5	P _r		6.40	5.26	5.23	4.06	3.98	3.99				
6	T		666	600	600	534	534	534				
7	T _r		1.52	1.37	1.37	1.22	1.22	1.22				
8	Z		1.886	1.759	1.757	1.613	1.606	1.607				
9	P/Z P/Z	4-8	4795.5	4105.4	4585.8	4140.3	4362.3	4301.8				
10	P/TZ	9-6	720428	768749	7643044	8240174	8169133	8166318				
11	(P/TZ) ² /1000 (10 ² /1000)											
12	L/H(F _r Q _m) ²											
13	I ₁ + I ₂											
14	I _n	10-13	138.881	130.280	130.838	121.356	122412	122454				
15	M=P _n ·P _n ⁻¹			753	777	774	828	824				
16	N=I _n + I _n -1			269.141	269.719	252.154	253.250	253.252				
17	M x N	15x16			209160			268981				
18	Σ (M x N)	Σ17			208793			209625				