

WORK SHEET FOR STEPWISE CALCULATION

(SUBSURFACE)

PRESSURE (P_c & P_w)

(P_c & P_w)

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

(3)

COMPANY Conoco Petro Co. LEASE East Smith Ranch WELL NO. 7-20-82 DATE 7-20-82
 LOCATION: Unit 12 Section 12 Township 20 S Range 33 E

13237 H 13237 L/H 1.000 G min .843 % CO₂ 1.002 % N₂ 1.091 % H₂S

d/1.995 F_{1.01833} Q_m 0 M_{std} (L/H) (F₁ Q_m)^{1.2} 0 P_{cr} 664 T_{cr} 438

TABLE IX & X

LINE	ITEM	SOURCE	1	2	3	4	5	6	7	8	9	10
1	H		13237	66185								
2	GH		11158.8	5579.4								
3	37.5GH		41814541	209229								
4	P _c or P _n		3865.3	3152.7	3131.1	2399.8	2346.8	2351.9				
5	P _r		5.82	4.75	4.22	3.61	3.53	3.54				
6	T		666	600	600	534.1	534.1	534.1				
7	T _r		1.52	1.37	1.37	1.22	1.22	1.22				
8	Z		1852	1726	1724	1573	1568	1568				
9	P/Z P/Z	4-8	41536.7	4342.5	4324.7	4188.1	4131.2	4140.7				
10	P/TZ	9-6	6811917	7235587	7207851	7842977	7730251	7754062				
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	1416.808	1381168	1381737	1275033	1291244	1285944				
15	M=P _n -P _{n-1}			713	734	731	784	779				
16	N=I _n +I _{n-1}			284969	285558	266288	267502	267702				
17	M x N	15 x 16			209645			208590				
18	Σ (M x N)	Σ 17			208808			209863				