

WORK SHEET FOR STEPWISE CALCULATION

XXXXXXXXXXXX PRESSURE (P_c & P_w)
(SURFACE)

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

COMPANY Texaco Producing INCASE Bilbrey Fed. Com WELL NO. 1 DATE 5-22-85

LOCATION: Unit _____ Section _____ Township _____ Range _____

L 13.395 H 13.395 L/H 1.00 G MIX.725 % CO₂ _____ % N₂ _____ % H₂S _____
d _____ F_r _____ Q_m _____ M²cid (L/H) (F_rQ_m)² _____ P_{cr} 668 T_{cr} 398

LINE	ITEM	SOURCE	1	2	3	4	5	6	7	8	9	10
1	H		13,395	6698		0						
2	GH		9711	4856		0						
3	37.5CH		364,176	182,088		0						
4	P _c or P _n		7148.5	6318.6	6296.3	5444.8	5390.5	5392.2	P _w =	5395.2		
5	P _r		10.71	9.46	9.43	8.15	8.07	8.07				
6	T		668	601	601	534	534	534				
7	T _r		1.68	1.51	1.51	1.34	1.34	1.34				
8	Z		1.174	1.093	1.090	.988	.982	.982				
9	P/Z P/Z	$\bar{4} = \bar{8}$	6089.1	5781.0	5776.4	5510.9	5489.3	5491.0				
10	P/TZ	$\bar{9} = \bar{6}$	9.115	9.619	9.611	10.320	10.280	10.283				
11	(P/TZ) ² /1000	(10 ² /1000)										
12	L/H(F _r Q _m) ²											
13	$\bar{11} + \bar{12}$											
14	I _n	$\bar{10} = \bar{13}$	109.706	103.962	104.044	96.899	97.280	97.249				
15	M = P _n - P _{n-1}			830		852	906	904				
16	N = I _n + I _{n-1}			213.7		213.7	200.9	201.3				
17	M x N	$\bar{15} \times \bar{16}$				182157		181990				
18	$\Sigma (M \times N)$	$\Sigma \bar{17}$			182018							