

WORK SHEET FOR STEPWISE CALCULATION
(SUBSURFACE) PRESSURE (P_i & P_s)
~~(FOR PRESSURE)~~ ~~(FOR PRESSURE)~~

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

COMPANY Texaco Producing Increase 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 .485 % N₂ 3.367 % H₂S
d 1.995 F_r .017780 .697 M²cid (L/H) (F_rQ_m)² .000153 P_{cr} 668 T_{cr} 398

LINE	ITEM	SOURCE	1	2	3	4	5	6	7	8	9	10
1	H		0	6698		13,395						
2	GH		0	4856		9711						
3	37.5GH		0	182,088		364,176						
4	P _c or P _n		3793.2	4614.4	4584.8	5373.7	5323.6	Ps =	5318.6			
5	P _r		5.68	6.91	6.86	8.04	7.97					
6	T		534	601	601	668	668					
7	T _r		1.34	1.51	1.51	1.68	1.68					
8	Z		.879	.917	.914	1.020	1.016					
9	P/Z P/Z	$\bar{4} \div \bar{8}$	4807.6	5032.1	5016.1	5268.4	5239.8					
10	P/TZ	$\bar{9} \div \bar{6}$	9.000	8.373	8.346	7.887	7.844					
11	(P/TZ) ² /1000	$(10 \div 2) / 1000$	.081054	.070105	.069661	.062201	.061528					
12	L/H(F _r Q _m) ²		.000153	.000153	.000153	.000153	.000153					
13		$\bar{11} + \bar{12}$	.081207	.070258	.069814	.062354	.061681					
14	I _n	$\bar{10} \div \bar{13}$	110.865	119.174	119.551	126.484	127.170					
15	M=P _n -P _{n-1}			821	791	789	739					
16	N=I _n +I _{n-1}			230.0	230.4	246.0	246.7					
17	M x N	$\bar{15} \times \bar{16}$			182386							
18	$\Sigma (M \times N)$	$\Sigma \bar{17}$			181789							

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JUN - 6 1985

G.C.D.
HOBBS OFFICE