

WORK SHEET FOR STEPPED CALCULATION

(SUBSURFACE) PRESSURE (P_f & P_s)
(SURFACE) (P_{atm})

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

Standard Oil Company

COMPANY of Texas

LEASE Dogle Plains Unit

WELL NO. 225

5

DATE

6-13-66

LOCATION: Unit F

Section

16

Township

22S

Range

23E

L 7225 H

7225

L/H 1.000

G

.644

%CO₂

.52

%H₂

.89

%H₂S

.38

d 1.995 $P_{018231} Q_m$ 5.421

M²cd

(1/10) ($P_f Q_m$)²

.009767

P_{cr}

673

T_{cr}

368

TABLE 18 x

TABLE 18 x

LINE	ITEM	SOURCE	1	2	3	4	5	6	7	8	9	10
1	H		0	3534		7068			Delta P = 3 (37.5 GH)			
2	GH		0	2275.90		4551.79			$I_f + 4 I_1 + I_2$			
3	37.5GH		0	85,346		170,692						
4	P_c or P_n		2141.2	2445.2	2448.2	2755.2	2761.2		3 (170,692)			
5	P_f		3.18	3.63	3.64	4.09	4.10		140,384 + 556.180 + 135.271			
6	T		539	565	565	591	591		= 512.076			
7	T_f		1.47	1.54	1.54	1.61	1.61		825.835			
8	Z		.754	.789	.789	.824	.824					
9	P/Z or P/Z		2840.5	3099.1	3102.9	3344.9	3351.0		= 620.1			
10	P/Z		9.6	5.2700	5.4852	5.492	5.6597					
11	$(P/Z)^2 / 1000$		.027773	.030087	.030161	.032033	.032149		$P_s = P_c$			
12	$L/H(F_1 Q_m)^2$		.009767	.009676	.009767	.009767	.009767		Delta P			
13			.037541	.039854	.039928	.041800	.041916		444.2 + 620.1			
14	I_n		140.384	137.532	137.545	135.402	135.271					
15	$M = P_n - P_{n-1}$			304	307	307	313		=			
16	$N = I_n + I_{n-1}$			278.016	277.929	272.947	272.816		2761.3			
17	$M \times N$		15 x 16									
18	$\sum (M \times N)$		217									