

WORK SHEET FOR STEPWISE CALCULATION

(SUBSURFACE)
(STRESSAGE)

PRESSURE (P_f & P_s)
(P_f & P_s)

Form G-122 B
Adopted 9-1-65

Standard Oil Company

COMPANY of Texas

LEASE Fogle Plate Unit '16'

WELL NO.

5

DATE

6-13-66

LOCATION: Unit F

Section

16

Township

22S

Range

23E

L 7225

H

7225

I/H 1,000

G

,644

%CO₂

.52

%N₂

.89

%H₂S

.38

d 1.995

P_c 18231 Q_m

4,543

M^2 64

(1/H) ($P_f Q_m$)²

.006360

P_{cr}

673

T_{cr}

368

TABLE IX x

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LINE	ITEM	SOURCE	1	2	3	4	5	6	7	8	9	10
1	H		0	3534		7068		Delta	= 3 (37,5 GI)			
2	GH		0	2275.90		4551.79			$I_c + 4I_1 + I_2$			
3	37.5GH		0	85,346		170,692						
4	P_c or P_h		2214.2	2503.2	2505.2	2796.2	2800.2		= 3 (170,692)			
5	P_r		3.29	3.72	3.72	4.15	4.16					
6	I_r		537	564	564	591	591		= 512,076			
7	I_r		1.46	1.53	1.53	1.61	1.61		874,120			
8	Z		.746	.785	.785	.825	.825					
9	P/Z P/Z	4=8	2266.5	3188.8	3191.3	3409.3	3394.2		= 585.8			
10	P/TZ	9=6	5,524.2	5,653.9	5,658.4	5,736.9	5,743.1					
11	(P/TZ) ² /1000	(10) ² /1000	.030517	.031966	.032017	.032839	.032983		$P_s =$	$P_c + \text{Delta } P$		
12	1/H($P_f Q_m$) ²		.006860	.006860	.006860	.006860	.006860					
13		$I_1 + I_2$	.037377	.038826	.038877	.039749	.039843		= 2714.2 + 585.8			
14	I_h	10=13	147,797	145,620	145,545	144,277	144,163					
15	$M^2 P_n P_{n-1}$		289	291	291	295	295		= 2800.0			
16	$N = I_h + I_{h-1}$			293,417	293,342	289,822	289,688					
17	$M \times N$	15x16			85,346		85,346					
18	$\sum (M \times N)$	2,17			85,346		170,692					