

WORK SHEET FOR STEPWISE CALCULATION
(SUBSURFACE) PRESSURE (P_f & P_s)
(SURFACE) (P_c & P_w)

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

Standard Oil Company

COMPANY of Texas LEASE Bogle Flats Unit '4' WELL NO. 2 DATE 6-6-66

LOCATION: Unit J Section 4 Township 22S Range 23E

L 7039 H 7039 L/H 1.000 G .639 % CO₂ .58 % N₂ .91 % H₂S .21

d 6.276 $F_r \cdot 0.0009242$ Q_m 4.699 M^2_{ctd} (L/H) ($F_r Q_m$)² .000019 P_{cr} 673 T_{cr} 364
TABLE IX & X TABLE IX & X

LINE	ITEM	SOURCE	1	2	3	4	5	6	7	8	9	10
1	H		6936	7039								
2	GH		4432.10	4497.92								
3	37.5GH		166,204	168,672								
4	P_c or P_n		2779.5	2786.5								
5	P_r		4.13	4.14								
6	T		591	592								
7	T_r		1.62	1.63								
8	Z		.828	.832								
9	P/Z P/Z	$\bar{4} \div \bar{8}$	3356.9	3349.2								
10	P/TZ	$\bar{9} \div \bar{6}$	5.6800	5.6574								
11	$(P/TZ)^2/1000$	$(\bar{10})^2/1000$	.032262	.032006								
12	$L/H(F_r Q_m)^2$		.000019	.000019								
13		$\bar{11} + \bar{12}$	.032281	.032025								
14	I_n	$\bar{10} \div \bar{13}$	175.955	176.656								
15	$M = P_n - P_{n-1}$			7								
16	$N = I_n + I_{n-1}$			352.611								
17	$M \times N$	$\bar{15} \times \bar{16}$		2,468								
18	$\Sigma (M \times N)$	$\Sigma \bar{17}$	166,204	168,672								

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JUN 27 1966

D. C. F.
ARTS & SCIENCES