

WORK SHEET FOR STEPWISE CALCULATION (SUBSURFACE) PRESSURE (P_f & P_s)
(SKETCH) ~~XXXXXXXXXX~~

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

Standard Oil Company

COMPANY of Texas LEASE Bogle Flats Unit Gas Com. WELL NO. 6 DATE 6-14-66

LOCATION: Unit G Section 8 Township 22S Range 23E
L 7037 H 7037 L/H 1.000 G .657 % CO₂ .56 % N₂ .96 % H₂S .37
d 1.995 F_r .018231 Q_m 2.140 M² cfd (L/H) (F_r Q_m)² .001522 P_{cr} 673 T_{cr} 371
TABLE IX & X

LINE	ITEM	SOURCE	1	2	3	4	5	6	7	8	9	10
1	H		0	3518.5		7037			Delta P = 3 (37.5 GH)			
2	GH		0	2311.66		4623.31			$I_t + 4 I_1 + I_2$			
3	37.5GH		0	86,687		173,374						
4	P _c or P _n		2301.2	2563.2	2564.2	2827.2			= 3 (173,374)			
5	P _r		3.42	3.81	3.81	4.20			165,263 + 659,432 + 164,696			
6	T		538	565	565	592			= 520,122			
7	T _r		1.45	1.52	1.52	1.60			989,391			
8	Z		.739	.782	.782	.822						
9	P/Z P/Z		3113.9	3279.4	3279.0	3439.4			= 525.7			
10	P/TZ		5.7880	5.8043	5.8036	5.8098						
11	(P/TZ) ² /1000		.033501	.033690	.033682	.033754			P _s = P _t + Delta P			
12	L/H(F _r Q _m) ²		.001522	.001522	.001522	.001522						
13			.035023	.035212	.035204	.035276			= 2301.2 + 525.7			
14	I _n		165,263	164,840	164,858	164,696						
15	M-P _n -P _{n-1}		262	263	263	263			= 2826.9			
16	N=I _n +I _{n-1}		330,103	330,121	329,554							
17	M x N		86,687	86,687	86,687							
18	Σ (M x N)		86,687	173,374								