

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

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

Standard Oil Company

COMPANY of Texas LEASE Bogle Flats Unit '16' WEL.L. NO. 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 % N₂ .89 % H₂S .38

d F_r 0 M₂cid (L/H) (P_cQ_m)² 0 P_{cr} 673 T_{cr} 368
TABLE IX & X TABLE IX & X

LINE	ITEM	SOURCE	1	2	3	4	5	6	7	8	9	10
1	H		7225	3612.5	0			Delta P = 3 (37.5 GH)				
2	GH		465290	2326.45	0			I _s + 4I ₁ + I ₂				
3	37.5GH		174,484	87,242	0							
4	P _c or P _n		2811.0	2560.0	2309.0				= 3 (174,484)			
5	P _r		4.18	3.80	3.43				1/3.955 + 697.424 + 173.762			
6	T		592	565	537				= 523,452			
7	T _r		1.61	1.54	1.46				1,044,641			
8	Z		.826	.790	.745							
9	P/Z P/Z		3403.2	3240.5	3099.3				= 501.1			
10	P/TZ		9.6	5.7436	5.7716							
11	(P/TZ) ² /1000							P _g = P _s - Delta P				
12	L/H(F _r Q _m) ²											
13												
14	I _n		173.955	174.356	173.262							
15	M=P _n -P _{n-1}			251	251							
16	N=I _n +I _{n-1}			348.311	347.618							
17	M x N		15 x 16	87,242	87,242							
18	Σ(M x N)		Σ17	174,484	87,242							