

WORK SHEET FOR STEPWISE CALCULATION
 (SURFACE) PRESSURE (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 _____ Fr _____ Q_m _____ 0 _____ M²cf/d (L/H) (FrQ_m)² _____ 0 _____ P_{cr} _____ 673 _____ T_{cr} _____ 364

LINE	ITEM	SOURCE	1	2	3	4	5	6	7	8	9	10
1	H		7039	3519.5		0			Delta P = 3 (37.5 GH)			
2	GH		4497.92	2248.96		0			I _w + 4I ₁ + I ₂			
3	37.5GH		168,672	84,336		0			= 3 (168,672)			
4	P _c or P _n		2786.5	2547.5	2546.5	2306.5	2302.5		176,760 + 697.4 + 172,135			
5	P _r		4.14	3.79	3.78	3.43	3.42					
6	T		592	562	562	532	532		= 506,016 = 483.6			
7	T _r		1.63	1.54	1.54	1.46	1.46		1,046.295			
8	Z		.832	.790	.790	.745	.745					
9	P/Z P/Z		3349.2	3224.7	3223.4	3096.0	3090.6	P _w =	P _s - Delta P			
10	P/TZ		9.5	5.7379	5.7356	5.8195	5.8094					
11	(P/TZ)/2/1000	(10) 2/1000						P _w =	2786.5 - 483.6			
12	L/H(F _r Q _m) ²											
13		I ₁ + I ₂							=	2302.9		
14	I _n	I ₀ ÷ I ₃	176,760	174,280	174,350	171,836	172,135					
15	M = P _n - P _{n-1}			239	240	240	244					
16	N = I _n + I _{n-1}			351,040	351,110	346,186	346,485					
17	M x N	I ₅ x I ₆			84,266		84,542					
18	Σ (M x N)	Σ I ₇	168,672		84,406							

RECEIVED

JUN 27 1966

O.C.N.
 ARTESIAN DIVISION