

WORK SHEET FOR STEPWISE CALCULATION

(SUBSURFACE) PRESSURE $(P_c \& P_w)$
(SURFACE)

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COMPANY Gulf Oil Exploration Co LEASE Wilson "C" Fed. WELL NO. 1 DATE 8/2/84

LOCATION: Unit E Section 29 Township 26 S Range 34 E

L 11592 H 11592 LH 1.000 G min 2383 % CO₂ 1144 % N₂ 383 % H₂S

d 1.995 F₁ 0.01823 O M²cid (LH) (F₁Q_m)² O P_{cr} 671 T_{cr} 402

TABLE 11.8.1

LINE	ITEM	SOURCE	1	2	3	4	5	6	7	8	9	10
1	H		11592	5796		0						
2	GH		8558	4279		0						
3	37.5GH		320939	160470		0						
4	P _c or P _n		9563.6	8731.7	8710.2	7857.1	7814.3	7814.6		P _w =	7814.5	
5	P _r		14.25	13.01	12.98	11.71	11.65	11.65				
6	T		650	592	592	534	534	534				
7	T _r		1.62	1.47	1.47	1.33	1.33	1.33				
8	Z		1.419	1.351	1.348	1.287	1.281	1.281				
9	P/Z P/Z	$\bar{q} \cdot \bar{h}$	6739.7	6463.1	6461.6	6104.9	6100.2	6100.4				
10	P/TZ	$\bar{q} \cdot \bar{h}$	10.3687	10.9174	10.9148	11.4325	11.4235	11.4240				
11	(P/TZ) ² /1000	(10 ² /1000)										
12	L/H(F ₁ Q _m) ²											
13		$\bar{1} + \bar{1}2$										
14	I _n	$\bar{1}0 + \bar{1}3$	96.444	91.597	91.619	87.470	87.539	87.535				
15	M = P _n - P _{n-1}			832	853	853	896	896				
16	N = I _n + I _{n-1}			188.042	188.064	179.089	179.158	179.154				
17	M x N	$\bar{1}5 \times \bar{1}6$		160489				160447				
18	$\Sigma (M \times N)$	$\Sigma \bar{1}7$		160450								