

WORK SHEET FOR STEPWISE CALCULATION

~~XXXXXXXXXX~~ PRESSURE (P_c & P_w)

2 nd

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

GULF OIL

COMPANY EXPLORATION & PROD. LEASE WHITE CITY PENN GAS WELL NO. COM UNIT 3 #2 DATE 10/11/82

LOCATION: Unit Section 28 Township 24 S Range 26 E

L 10850 H 10850 L/H 1.000 G .576 % CO₂ 1.41 % N₂ .30 % H₂S

d 1.995F_r Q_m 0 M²cfd (L/H) (F_rQ_m)² 0 P_{cr} 672 T_{cr} 350

TABLE 1A & B

LINE	ITEM	SOURCE	1	2	3	4	5	6	7	8	9	10
1	H		10850	5425		0						
2	GH		6249.6	3124.8		0						
3	37.5CH		234360	117180		0						
4	P _c or P _n		3423.8	3083.2	3076.4	2729.7	2707.9	2709.3		PW= 2712.1		
5	P _r		5.09	4.59	4.58	4.06	4.03	4.03				
6	T		643	588.5	588.5	534	534	534				
7	T _r		1.84	1.68	1.68	1.53	1.53	1.53				
8	Z		.916	.866	.866	.777	.777	.777				
9	P/Z P/Z	4÷8	3737.8	3560.3	3552.9	3513.2	3485.1	3486.9				
10	P/TZ	9÷6	5.8130	6.0498	6.0372	6.5790	6.5263	6.5297				
11	(P/TZ) ² /1000	(10) 2/1000										
12	L/H(F _r Q _m) ²											
13	I ₁ + I ₂											
14	I _n	I ₀ ÷I ₃	172.029	165.294	165.639	151.999	153.227	153.148				
15	M=P _n -P _{n-1}			341	347	347	369	367				
16	N=I _n +I _{n-1}			337.323	337.668	317.662	318.890	318.810				
17	M x N	I ₅ x I ₆			117172			117159				
18	Σ (M x N)	Σ I ₇			117188							