

WORK SHEET FOR STEPWISE CALCULATION

MISSISSIPPI PRESSURE
(SURFACE) (P_c & P_w)

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

RATE NO. 4

COMPANY **Pemrose Oil Corporation** LEASE **Dero Federal** WELL NO. **1** DATE **1/10/73**

LOCATION: Unit **P** Section **35** Township **19 S** Range **28 E**

L **10,700** H **10,700** L/H **1.000** G **.609** % CO₂ **-** % N₂ **-** % H₂S **-**
d **1.995** P_i **018231** Q_m **.980** M²cfd (L/H) (F_iQ_m)² **.000319** P_{cr} **671** T_{cr} **358**
TABLE IX & X TABLE IX & X

LINE	ITEM	SOURCE	1	2	3	4	5	6	7	8	9	10
1	H		10700	5350		0						
2	GH		6516	3258		0						
3	37.5GH		244,350	122,175		0						
4	P _c or P _n		1733.8	1546.9	1545.8	1357.8	1347.3	P _y = 1733.8 - 733.050 = 1350.8				
5	P _r		2.58	2.31	2.30	2.02	2.01					
6	T		634	582	582	510	510					
7	T _r		1.77	1.63	1.63	1.42	1.42					
8	Z		.894	.858	.858	.778	.779					
9	P/Z P/Z		1939.4	1802.9	1801.6	1745.2	1729.5					
10	P/TZ		9÷6	3.0978	3.0955	3.4220	3.3912					
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	326.904	322.810	323.030	292.227	294.881					
15	M=P _n -P _{n-1}			184.9	188.0	188.0	198.5	197.7				
16	N=I _n +I _{n-1}			649.714	649.954	615.277	617.931					
17	M x N	I ₅ x I ₆			122.191							
18	Σ (M x N)	Σ I ₇	244,350		122,159							