

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

Form C-1221
Adopted 9-1-65

COMPANY MERIDIAN OIL LEASE Acquard ST. WELL NO. 1 DATE 11-29-88

LOCATION: Unit 10351 Section 22 Township 12 S Range 29 E

L 10351 H 10351 LH 1.0 G .669 % CO₂ .14 % N₂ 1.11 % H₂S 0 4th Rate

d 2.441 F_r 0.01063 Q_m --- M² cld (L/H) (F_r Q_m)² --- P_{cr} 668 T_{cr} 321

TABLE 18 & 3

LINE	ITEM	SOURCE	1	2	3	4	5	6	7	8	9	10
1	H		10350	5175		0						
2	GH		6924.15	3462.08		0						
3	37.5GH		259656	129828		0						
4	P _c or P _n		2180.5	1905.6	1907.3	1633.9	1637.6	1637.3		AP =	543.3	
5	P _r		3.26	2.85	2.84	2.45	3.45	3.45		P _w =	1637.2	
6	T		615	574.5	574.5	534	534	534				
7	T _r		1.63	1.52	1.52	1.42	1.42	1.42				
8	Z		0.837	0.793	0.793	0.743	0.743	0.742				
9	P/Z	4÷8	2603.9	2402.5	2404.9	2199.9	2204.9	2205.3				
10	P/TZ	9÷6	4.2399	4.1819	4.1860	4.157	4.1290	4.1299				
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	236,198	239,124	238,891	242,739	242,888	242,139				
15	M = P _n - P _{n-1}			275	273	273	270	270				
16	N = I _n + I _{n-1}			475,312	475,079	481,630	481,609	481,030				
17	M x N	I ₅ x I ₆			129828			129828				
18	Σ (M x N)	Σ I ₇	259656		129891							