

Rate 1

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

Form C-1221
Adopted 9-1-65

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

LOCATION: Unit 10351 Section 22 Township 17 S Range 29 E

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

d 3.44 F_r 0.00703 Q_m M²cid (L/H) (F_rQ_m)² P_{CT} 668 T_{CT} 321

TABLE IX & X

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		2704.2	2364.6	2364.3	2624.4	2023.1	2023.7		Δ P = 680.5		
5	P _r		4.05	3.54	3.54	3.03	3.03	3.03		P _w = 2023.8		
6	T		615	574.5	574.5	534	534	534				
7	T _r		1.63	1.52	1.52	1.52	1.42	1.42				
8	Z		.840	.785	.785	.721	.721	.721				
9	P/Z	4-8	3212.9	3010.9	3010.6	2807.2	2806.0	2806.1				
10	P/TZ	9-6	5.2329	5.2409	5.2403	5.2568	5.2546	5.2548				
11	(P/TZ) ² /1000	(10 ² /1000)										
12	L/H(F _r Q _m) ²											
13	I ₁ + I ₂											
14	I _n	10-13	191.118	190.801	190.829	190.228	190.308	190.301				
15	M = P _n - P _{n-1}			340	340	340	341	341				
16	N = I _n + I _{n-1}			381.925	381.947	381.051	381.137	381.130				
17	M x N	15 x 16			129835			129818				
18	Σ (M x N)	Σ 17	259656		129820							