

WORK SHEET FOR STEPWISE CALCULATION

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

LOCATION: Unit 10351 H 10351 Section 22 Township 17 S Range 29 E Rate 4

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

d 2.44 L F_r 0.01063 Q_m 1.427 M²cfd (L/H) (F_rQ_m)² 0.000236 P_{CT} 668 T_{CT} 321

TABLE IX & X

LINE	ITEM	SOURCE	1	2	3	4	5	6	7	8	9	10
1	H		0	5125		10350						
2	GH		0	3462.08		6924.15						
3	37.5GH		0	129928		259656						
4	P _c or P _n		1639.0	1905.2	1907.1	2180.5	2180.5			ΔP = 550.3		
5	P _r		2.45	2.85	2.85	3.26	3.26			P _s = 2184.3		
6	T		534	574.5	574.5	615	615					
7	T _r		1.42	1.52	1.52	1.63	1.63					
8	Z		.743	.793	.793	.837	.837					
9	P/Z	4-8	2200.0	2401.9	2404.5	2603.9	2603.9					
10	P/TZ	9-6	4.1199	4.1808	4.1854	4.2339	4.2339					
11	(P/TZ) ² /1000	(10) ² /1000	0.01697	0.01748	0.01752	0.01753	0.01793					
12	L/H(F _r Q _m) ²		0.000236	0.000236	0.000236	0.000236	0.000236					
13		11 + 12	0.017209	0.017715	0.017754	0.018162	0.018162					
14	I _n	10-13	239.398	236.005	235.750	235.120	233.120					
15	M = P _n - P _{n-1}			271	273	273	277					
16	N = I _n + I _{n-1}			475.403	475.148	468.870	468.870					
17	M x N	15 x 16			129758		129897					
18	Σ (M x N)	Σ 17			129758		259656					