

MPANY Mark Production Company LEASE SECTION 27 TOWNSHIP 18S RANGE 32E DATE 2-25-77

WELL NO. 1

RATE NO. 2

CATION: UNIT H 12708 L/H 1.00 G 0.759 & CO₂ 0.00 %N₂ 0.00 %H₂ 0.00

d F_r Q_m M² cfd (L/H) (F_r Q_m)² P_{cr} T_{cr} 411

NE	ITEM	SOURCE	1	2	3	4	5	6	7	8	9	10
1	H		12708	6354		0						
2	GH		9645	4823		0						
3	37.5GH		361701	180851		0						
4	P _c or P _n		4101.2	3431.3	3425.6	2750.6	2740.0					
5	P _r		6.15	5.14	5.14	4.12	4.11					
6	T		630	585	585	540	540					
7	T _r		1.53	1.42	1.42	1.31	1.31					
8	Z		0.879	0.778	0.778	0.667	0.667					
9	P/Z P/Z	4 ÷ 8	4667.35	4408.12	4400.82	4126.25	4110.47					
0	P/TZ	9 ÷ 6	7.4085	7.5353	7.5228	7.6412	7.6120					
1	(P/TZ) ² /1000	(10 ² /1000)										
2	L/H(F _r Q _m) ²											
3		11 + 12										
4	I _n	10 ÷ 13	134.980	132.709	132.930	130.869	131.372					
5	M=P _n ⁻¹			670	676	675	686	684				
6	N=1 _n + 1 _{n-1}			267.690	267.910	263.799	264.301					
7	M x N	15 x 16			181107		181104					
8	Σ(M x N)	Σ 17			181107		362211					

$$\Delta P = \frac{3[361701]}{134.980 + 4[132.930] + 131.372} = \frac{1085104}{798.072} = 1359.7$$

$$P = 4101.2 - 1359.7 = 2741.5$$