

COMPANY GUJF OIL CORP. LEASE WHITE CITY PEN GAS COM UNIT WELL NO. 3 DATE 1-18-77
 LOCATION: UNIT 11157 SECTION 1.00 G TOWNSHIP 0.01 N 2 RANGE 0.00
 H 11157 L/H 1.00 G M cfd 0.579 % CO₂ 0.01 % N₂ 0.00 % H₂S 0.00
 F_r 0 Q_m 0 (L/H) (F_r Q_m)² 0 P_{cr} 671 T_{cr} 358

LINE	ITEM	SOURCE	1	2	3	4	5	6	7	8	9	10
1	H		11157	5579		0						
2	GH		6460	3230		0						
3	37.5GH		242246	121123		0						
4	P _c or P _n		4738.0	4288.6	4270.2	3803.2	3759.0					
5	P _r		7.06	6.39	6.36	5.67	5.60					
6	T		645	582	582	518	518					
7	T _r		1.80	1.62	1.62	1.45	1.45					
8	Z		0.990	0.916	0.915	0.825	0.821					
9	P/Z P/Z		4 ÷ 8	4682.94	4668.98	4609.89	4578.55					
10	P/TZ		9 ÷ 6	8.0532	8.0292	8.8994	8.8389					
11	(P/TZ) ² /1000		(10 ² /1000)									
12	L/H(F _r Q _m) ²											
13			11 + 12									
14	I _n		10 ÷ 13	124.174	124.546	112.367	113.136					
15	M = P _n ⁻¹			449	466	467	511	510				
16	N = 1 + I _{n-1}			258.946	259.318	236.913	237.682					
17	M x N		15 x 16		121361		121456					
18	(M x N)		17		121361		242816					

Delta P = $\frac{3[242246]}{134.772 + 4[124.546]} + 113.136 = 974.1$ P = 4738.0 - 974.1 = 3763.9