

WORK SHEET FOR STEPWISE CALCULATION

(SUBSURFACE) PRESSURE $(P_f = P_s)$
 (SURFACE) $(P_c \text{ \& } P_w)$

ANY _____ LEASE _____ DATE _____
 SECTION _____ TOWNSHIP _____ RANGE _____
 13542 H 13542 L/H 1.0 G 619 % CO₂ .4 % N₂ .2 % H₂S
 d F_r Q_m M²cfd (L/H) (F_rQ_m)² P_{cr} 671 T_{cr} 365

ITEM	SOURCE	1	2	3	4	5	6	7	8	9
H		13542	6771							
GH		8382	4191							
37.5GH		314344	157172							
P _c or P _n		4372.2	3821.0	3801.5	3781.8	3195.2	3167.6	3135.8		
P _r		6152	5569	5567	5564	478	472	467		
T		648	582	582	582	515	515	515		
T _r		1.78	1.59	1.59	1.59	1.41	1.41	1.41		
Z		.962	.873	.872	.875	.753	.750	.748		
O/Z P/Z	4 ÷ 8	1544.9	4376.8	4359.5	4322.1	4203.3	4223.5	4192.3		
P/Z	9 ÷ 6	7.0137	7.5268	7.4971	7.4327	8.2394	8.2011	8.1404		
(P/TZ) ² /1000	(10 ² /1000									
L/r(F _r Q _m) ²										
r _m										
11 ÷ 12										
10 ÷ 13		142.577	132.857	133.383	134.540	121.366	121.933	122.843		
P _n - P _{n-1}			551	571	590	587	614	646		
n = 1 + 1	n = 1		285.154	275.434	266.241	267.924	255.906	243.301		
n × 11	15 × 16				157082			157172		
Σ (n × 11)	Σ 17				157082			314254		

3 (314304) 943031 : 1173.6 P = 4372.2 - 1173.6 = 3198.6
 142.577 + 4(134.540) + 172.843 = 803.530