

14755

WORK SHEET FOR STEPWISE CALCULATION

(SUBSURFACE) PRESSURE (P_f & P_s)
(SURFACE) (P_c & P_w)
Pit 2

COMPANY

LEASE

WELL NO.

DATE

LOCATION: UNIT

SECTION

TOWNSHIP

RANGE

14755 H 14755 L/H 1.0 G 593 % CO₂ .84 % N₂ .534 % H₂S
d F_r Q_m M²cfd (L/H) (F_rQ_m)² P_{cr} 672 T_{cr} 354

ITEM	SOURCE	1	2	3	4	5	6	7	8	9	1
H		14755	7378	0							
Gh		8750	4375	0							
37.5CH		328114	164057	0							
P _c or P _n		1975.7	1705.8	1430.6	1431.0						
P _r		2,944	2,154	2,113	2,113						
P _r		660	543	525	525						
Z		1.86	1.67	1.48	1.48						
O/Z P/Z	4 ÷ 8	1910	.864	1.811	.811						
P/TZ	9 ÷ 6	2171.0	1974.3	1763.5	1764.5						
(P/TZ) ² /1000	(10 ² /1000	3,282.5	3,332.2	3,368.6	3,361.0						
L/H(F _r Q _m) ²											
I _n	11 ÷ 12										
MEP - P _n - 1	10 ÷ 13	303,502	300,094	276,555	297,526						
N = 1 + I _n			270	272	275						
M × H			607,987	604,087	596,709						
Σ(M × H)	15 × 16		164156		164156						
	Σ 17		164156		328312						

3 (328114)

Pit 2 P_e = 303,593 + 4(300,094) = 597,526
984343 = 546.2 P_e = 1975.7 - 546.2 = 1429.5