

WORK SHEET FOR STEPWISE CALCULATION

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

Plot # 3

ANY Amoco Gas Co. PL 1 LEASE Amoco 741 WELL NO. 1 DATE 2-2-55

FIG: UNIT 6 SECTION 20 TOWNSHIP 23S RANGE 33E

15611 H 15611 L/H 1.00 G 578 % CO₂ 8 N₂ 8 H₂S 2
d 2.441 F_m 0.0763 Q_m 5.927 M_{std} (L/H) 2 (F_Q)² 0.04069 P_{cr} 472 T_{cr} 350

ITEM	SOURCE	1	2	3	4	5	6	7	8	9	10
H		0	7906			15611					
GH		0	4512			9023					
37.5GH		0	16910			338363					
P _c or P _n		6428.2	7375.4	7356.4	7337.7	8246.5	7231.6	8216.7			
P _r		9.57	10.98	11.75	10.92	12.27	12.25	12.22			
T		540	590	598	595	655	655	655			
T _r		1.54	1.71	1.71	1.71	1.87	1.97	1.97			
Z		1.00	1.191	1.184	1.137	1.260	1.260	1.260			
0.1Z P1/2		5203.5	6192.6	6157.0	6181.7	6544.4	6533.6	6521.2			
P ₁		11.501	10.266	10.356	10.366	9.792	9.770	9.954			
(P ₁ /T ₁) ² / 1000		11711.2	11741.2	11772.2	11704.1	10798.45	10722.0	10912.3			
L/n(F _Q) ²		114465	104465	104085	104405	114185	103555	104465			
P _n		121182	111957	111296	111110	113911	103555	10315			
P _n - P _{n-1}		89.302	92.843	93.041	93.115	96.157	96.300	95.482			
P _n + 1		947	947	928	910	909	924	929			
10 ÷ 13		173.662	173.662	173.266	174.005	176.157	176.270	172.415			
15 × 16		167265	167265	167265	167265	167265	167265	167265			
22 (24 × 11)		167265	167265	167265	167265	167265	167265	167265			

89.302 + 4(93.115) + 96.480 = 558.242
1015105 = 1818.3
6428.2 + 1818.3 = 3246.5