

WORK SHEET FOR CALCULATING EQUIVALENT STATIC WELLHEAD PRESSURE

LEASE JENKINS WELL NO. 1-28 FIELD GREENWOOD (TOPEKA) COUNTY BACA DATE 4-30-73
 % CO₂ 1.02 G_m .770 P_{cr} 612 T_{cr} 329 FLOW STRING 2 7/8
 % N₂ 31.69 H 2775 G_{mH} 2137 L/H 1.000 I.D. 2.441

RATE											
LINE	TRIAL										
1	Q _m , M ² cfd	<u>1st</u> .032									
2	T _w	520									
3	T _s	554									
4	T _e	537									
5	Z _e	.969									
5a	T _e Z _e	523.2									
6	G _m H / T _e Z _e	4.084									
7	e ^s	1.166									
8	(1 - e ^{-s})	.142									
9	P _t or P _c	254.4									
10	P _t ² or P _c ² (thous.)	64.7									
11	F _c	5.667									
12	F ₁ = F _c T _e Z _e / 540	5.490									
13	F ₁ Q _m	.176									
14	Y = (F ₁ Q _m) ² L/H	.031									
15	R ² = Y (1 - e ^{-s})	.004									
16	P _w ² = P _t ² + R ²	64.7									
17	P _s ² = e ^s P _w ² (thous.)	74.9									
17a	^{or} P _f ² = e ^s P _c ² (thous.)										
18	P _s or P _f	274.6									
19	P _e	264.5									
20	P _r	43									
21	T _r	1.68									
22	Z _e	.969									

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