

COMPANY : JAMES DRILLING CO. LEASE : S. 15 ST. COM. WELL NO. : 1
 UNIT : D SECTION : 15 TOWNSHIP : 17
 L : 9730 H : 9730 L/H : 1 G/GMIX : 0.708
 %CO2 : 0.435 %N2 : 0.691 H2S : DATE : 9-9-00
 d : 2.441 Fr : 0.010763 GH : 6888.8 RANGE : 28

Pc = 908.2 Pc2 = 824.8 *

Pt2 = 757.2 Pw = 873.6 *
 671.1 830.3 *
 585.5 787.3 *
 512.9 756.0 *

VOL 1 : 727 PSIA 1 : 870.2
 VOL 2 : 1269 PSIA 2 : 819.2
 VOL 3 : 1726 PSIA 3 : 765.2
 VOL 4 : 2249 PSIA 4 : 716.2

RESV. TEMP 171.3

SHUT-IN PR= 908.2

PCR : 668

TCR : 392

Pc2-Pw2= 61.6 Pw2 = 763.2 *
 135.4 689.4 *
 205.1 619.8 *
 253.2 571.6 *

n = 0.799 ✓

Pc2/(Pc2-Pw2) = 13.383
 6.090
 4.022
 3.257 ✓

[Pc2/Pc2-Pw2]n = 7.954
 4.239
 3.042
 2.570 ✓

AOF= Q 5.782
 5.379
 5.251
 5.782 ✓

LINE	RATE 1		RATE 2		RATE 3		RATE 4	
	1ST	2ND	1ST	2ND	1ST	2ND	1ST	2ND
1 QM	0.727	0.727	1.269	1.269	1.726	1.726	2.249	2.249
2 TW	534	534	534	534	534	534	534	534
3 Ts	631.3	631.3	631.3	631.3	631.3	631.3	631.3	631.3
4 T	582.7	582.7	582.7	582.7	582.7	582.7	582.7	582.7
PR (est)	1.30		1.23		1.15		1.07	
5 Z(est)	0.850	0.832	0.856	0.839	0.864	0.847	0.871	0.853
6 TZ	495.0	485.0	499.0	489.1	503.3	493.3	507.2	496.8
7 GH/TZ	13.917	14.204	13.806	14.086	13.688	13.964	13.581	13.865
8 eS	1.685	1.703	1.678	1.696	1.671	1.688	1.664	1.682
9 l-e-S	0.407	0.413	0.404	0.410	0.401	0.408	0.399	0.405
0 Pt	870.2	870.2	819.2	819.2	765.2	765.2	716.2	716.2
1 Pt2 /1000	757.2	757.2	671.1	671.1	585.5	585.5	512.9	512.9
2 Fr	0.010763	0.010763	0.010763	0.010763	0.010763	0.010763	0.010763	0.010763
3 Fc=FrTZ	5.328	5.220	5.371	5.264	5.417	5.310	5.459	5.348
4 FcQm	3.87	3.80	6.82	6.68	9.35	9.16	12.28	12.03
5 L/H(FcQm)	15.0	14.4	46.4	44.6	87.4	84.0	150.7	144.6
6 Fw	6.099654	5.947366	18.77047	18.30976	35.09401	34.23770	60.16210	58.644310
7 Pw2	763.3	763.2	689.9	689.4	620.6	619.8	573.1	571.6
8 Ps2	1286.4	1300.0	1157.7	1169.1	1036.9	1046.3	953.7	961.4
9 Ps	1134.2	1140.2	1076.0	1081.3	1018.3	1022.9	976.6	980.5
0 P	1002.2	1005.2	947.6	950.2	891.8	894.0	846.4	848.3
1 Pr	1.50	1.50	1.42	1.42	1.33	1.34	1.27	1.27
2 Tr	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49
3 Z	0.832	0.832	0.839	0.839	0.847	0.846	0.853	0.852

FORM C122-D