

COMPANY :MERIT ENERGY CO. LEASE :PENNJACK WELL NO. : 9 Pc = 555.2 Pc2 = 308.2 *
 UNIT : SECTION : 6 TOWNSHIP :105 Pt2 = 239.3 Pw = 489.8 *
 L : 4379 H : 4379 L/H : 1 G/GMIX : 0.648 DATE :1/6/93 207.2 456.1 *
 %CO2 : 0.72 %N2 : 3.64 H2S : RANGE :26S 176.6 421.7 *
 d : 1.995 Fr :0.018231 GH : 2837.6 124.8 356.0 *
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VOL 1 : 190 PSIA 1 : 489.2 RESV.TEMP 117.8 Pc2-Pw2= 68.4 Pw2 = 239.9 *
 VOL 2 : 221 PSIA 2 : 455.2 100.3 208.0 *
 VOL 3 : 277 PSIA 3 : 420.2 SHUT-IN PR= 555.2 130.4 177.8 *
 VOL 4 : 345 PSIA 4 : 353.2 181.5 126.7 *
 PCR : 665 n = 0.740 *
 TCR : 363 Pc2/(Pc2-Pw2) = 4.510 *
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LINE		RATE 1		RATE 2		RATE 3		RATE 4	
		1ST	2ND	1ST	2ND	1ST	2ND	1ST	2ND
1	QM	0.190	0.190	0.221	0.221	0.277	0.277	0.345	0.345
2	TW	534	534	534	534	534	534	534	534
3	Is	577.8	577.8	577.8	577.8	577.8	577.8	577.8	577.8
4	T	555.9	555.9	555.9	555.9	555.9	555.9	555.9	555.9
	PR (est)	0.74		0.68		0.63		0.53	
5	Z(est)	0.910	0.906	0.914	0.911	0.919	0.916	0.928	0.925
6	TZ	505.8	503.8	508.2	506.4	510.8	509.0	515.7	514.2
7	GH/TZ	5.611	5.633	5.583	5.604	5.555	5.574	5.502	5.519
8	eS	1.234	1.235	1.233	1.234	1.232	1.232	1.229	1.230
9	1-e-S	0.190	0.190	0.189	0.190	0.188	0.189	0.186	0.187
10	Pt	489.2	489.2	455.2	455.2	420.2	420.2	353.2	353.2
11	Pt2 /1000	239.3	239.3	207.2	207.2	176.6	176.6	124.8	124.8
12	Fr	0.018231	0.018231	0.018231	0.018231	0.018231	0.018231	0.018231	0.018231
13	Fc=FrTZ	9.221	9.184	9.266	9.232	9.312	9.280	9.402	9.374
14	FcQm	1.75	1.75	2.05	2.04	2.58	2.57	3.24	3.23
15	L/H(FcQm)	3.1	3.0	4.2	4.2	6.7	6.6	10.5	10.5
16	Fw	0.582337	0.579821	0.792102	0.788909	1.251280	1.246572	1.961654	1.9552547
17	Pw2	239.9	239.9	208.0	208.0	177.8	177.8	126.7	126.7
18	Ps2	296.1	296.3	256.4	256.6	219.0	219.2	155.7	155.8
19	Ps	544.1	544.4	506.4	506.6	468.0	468.1	394.7	394.8
20	P	516.7	516.8	480.8	480.9	444.1	444.2	373.9	374.0
21	Pr	0.78	0.78	0.72	0.72	0.67	0.67	0.56	0.56
22	Tr	1.53	1.53	1.53	1.53	1.53	1.53	1.53	1.53
23	Z	0.906	0.906	0.911	0.911	0.916	0.916	0.925	0.925

AOF= Q 0.579 *
 0.507 *
 0.523 *
 0.510 *
 FORM C122-D *
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