

Adopted 9-1-65

DATE 8/2/83

COMPANY Yates Petroleum Corporation LEASE Skink "SK" State WELL NO. 3LOCATION: Unit C Section 32 Township 7S Range 26EL 4037.0 H 4037.0 L/H 1.000 G .643 %CO₂ .04 %N₂ 5.33 %H₂S 0.00d 1.995 Fr .017777 GH 2595.8 Pcr 661.8 Tcr 355.2

LINE	1st Rate	2nd Rate	3rd Rate	4th Rate	5th Rate
1 Qm	.450	.586	.756	.936	0.000
2 Tw(W.H.°R)	522.0	522.0	522.0	522.0	0.0
3 Ts(B.H.°R)	560.0	560.0	560.0	560.0	0.0
4 T=(Tw+Ts)/2	541.0	541.0	541.0	541.0	0.0
5 Z(Est.)	.880	.889	.899	.912	0.000
6 TZ	476.2	480.8	486.2	493.2	0.0
7 GH/TZ	5.451	5.398	5.339	5.263	0.000
8 e ^s (Table XIV)	1.227	1.224	1.222	1.218	0.000
9 1-e ^{-s} (Table XIV)	.185	.183	.181	.179	0.000
10 Pt	838.2	773.2	698.2	603.2	0.0
11 Pt ² /1030	702.6	597.8	487.5	363.9	0.0
12 Fr(Table XV)	.017777	.017777	.017777	.017777	0.000000
13 Fc=FrTZ	8.466	8.553	8.648	8.770	0.000
14 FcQm	3.811	5.015	6.534	8.206	0.000
15 L/H(FcQm) ²	14.522	25.153	42.695	67.343	0.000
16 Fw=L/H(FcQm) ² (1-e ^{-s})	2.694	4.607	7.743	12.059	0.000
17 Pw ² =Pt ² +Fw	705.3	602.4	495.2	375.9	0.0
18 Ps ² =e ^s Pw ²	865.2	737.5	604.9	457.9	0.0
19 Ps	930.2	858.8	777.8	676.7	0.0
20 P=(Pt+Ps)/2	884.2	816.0	738.0	639.9	0.0
21 Pr=(P/Pcr)	1.34	1.23	1.12	.97	0.00
22 Tr=(T/Tcr)	1.52	1.52	1.52	1.52	0.00
23 Z(Table XI)	.880	.889	.899	.912	0.000