

Adopted 9-1-65

DATE 7/21/83

COMPANY Yates Petroleum Corporation LEASE Skinny "00" State WELL NO. 4

LOCATION: Unit G Section 16 Township 6S Range 25E

L 3672.0 H 3672.0 L/H 1.000 G .641 %CO₂ .01 %N₂ 5.05 %H₂S 0.00

d 1.995 Fr .017777 GH 2353.8 Pcr 662.2 Tcr 355.4

LINE		1st Rate	2nd Rate	3rd Rate	4th Rate	5th Rate
1	Qm	.286	.377	.477	.497	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.)	.871	.879	.889	.904	0.000
6	TZ	471.3	475.8	481.1	489.1	0.0
7	GH/TZ	4.994	4.947	4.893	4.812	0.000
8	e ^s (Table XIV)	1.206	1.204	1.201	1.198	0.000
9	1-e ^{-s} (Table XIV)	.171	.169	.168	.165	0.000
10	Pt	913.2	848.2	773.2	663.2	0.0
11	Pt ² /1030	833.9	719.4	597.8	439.8	0.0
12	Fr(Table XV)	.017777	.017777	.017777	.017777	0.000000
13	Fc=FrTZ	8.378	8.458	8.552	8.695	0.000
14	FcQm	2.400	3.187	4.076	4.319	0.000
15	L/H(FcQm) ²	5.761	10.157	16.616	18.658	0.000
16	Fw=L/H(FcQm) ² (1-e ^{-s})	.984	1.720	2.785	3.081	0.000
17	Pw ² =Pt ² +Fw	834.9	721.2	600.6	442.9	0.0
18	Ps ² =e ^s Pw ²	1006.9	868.2	721.6	530.5	0.0
19	Ps	1003.4	931.8	849.5	728.4	0.0
20	P=(Pt+Ps)/2	958.3	890.0	811.3	695.8	0.0
21	Pr=(P/Pcr)	1.45	1.34	1.23	1.05	0.00
22	Tr=(T/Tcr)	1.52	1.52	1.52	1.52	0.00
23	Z(Table XI)	.871	.879	.889	.904	0.000