

Adopted 9-1-65

DATE 1/18/84

COMPANY Yates Petroleum Corporation LEASE Sacra "SA" WELL NO. 6

LOCATION: Unit K Section 23 Township 6S Range 25E

L 3650.0 H 3650.0 L/H 1.000 G .643 %CO₂ .04 %N₂ 4.96 %H₂S 0.00

d 1.995 Fr .017777 GH 2347.0 Pcr 662.4 Tcr 356.2

LINE		1st Rate	2nd Rate	3rd Rate	4th Rate	5th Rate
1	Qm	.745	.904	1.021	1.337	0.000
2	Tw(W.H.°R)	522.0	522.0	522.0	522.0	0.0
3	Ts(B.H.°R)	568.0	568.0	568.0	568.0	0.0
4	T=(Tw+Ts)/2	545.0	545.0	545.0	545.0	0.0
5	Z(Est.)	.871	.874	.881	.885	0.000
6	TZ	474.6	476.5	479.9	482.5	0.0
7	GH/TZ	4.945	4.925	4.890	4.864	0.000
8	e ^s (Table XIV)	1.204	1.203	1.201	1.200	0.000
9	1-e ^{-s} (Table XIV)	.169	.169	.167	.167	0.000
10	Pt	934.2	905.2	854.2	813.2	0.0
11	Pt ² /1030	872.7	819.4	729.7	661.3	0.0
12	Fr(Table XV)	.017777	.017777	.017777	.017777	0.000000
13	Fc=FrTZ	8.437	8.471	8.536	8.578	0.000
14	FcQm	6.283	7.655	8.712	11.465	0.000
15	L/H(FcQm) ²	39.471	58.606	75.907	131.444	0.000
16	Fw=L/H(FcQm) ² (1-e ^{-s})	6.681	9.884	12.712	21.915	0.000
17	Pw ² =Pt ² +Fw	879.4	829.3	742.4	683.2	0.0
18	Ps ² =e ^s Pw ²	1058.6	997.5	891.7	819.9	0.0
19	Ps	1028.9	998.7	944.3	905.5	0.0
20	P=(Pt+Ps)/2	981.5	952.0	899.2	859.3	0.0
21	Pr=(P/Pcr)	1.48	1.44	1.36	1.30	0.00
22	Tr=(T/Tcr)	1.53	1.53	1.53	1.53	0.00
23	Z(Table XI)	.871	.874	.881	.885	0.000