

WORKSHEET FOR CALCULATION OF SIC COLUMN WELLHEAD PRESSURE (P_w)

C-122D
Revised 9-1-65

COMPANY YPC LEASE Kaddy Trigg SV Co. WELL NO. 1 DATE 6-26-72

LOCATION: Unit K Section 25 Township 19S Range 20E

L 10779 H 10779 L/H 1.000 G 0.6490 % CO₂ 0.59 % N₂ 0.40 % H₂S Nil

10735 427253 704 2.0072 0.6407 7437 P_{ci} 678 T_{ci} 390

10779 4.027 434243

TABLE IX & X

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LINE	1	2	3	4	5	6	7	8	9
1 Q _m	51	1	3	4	51	1	2	2	4
2 T _w (W.H. °R)	530	531	534	535					
3 T _s (B.H. °R)	624	623	623	622					
4 T = (T _w + T _s)	5977	5979.5	5978.5	5978.5	5979.5	5978	5979.5	5979.5	5979.5
5 Z (Est.)	0.8205	0.804	0.783	0.761	0.781	0.7825	0.7825	0.7825	0.7825
6 T _z	4794.20	4644.31	4500.59	4410.24	421.81	432.28	432.28	432.28	432.28
7 CH/T _z	15.520	16.019	16.433	16.893	16.4461	16.4443	16.4443	16.4443	16.4443
8 e ^s (Table XIV)	1.72896	1.8233	1.8519	1.8842	1.8539	1.8526	1.8526	1.8526	1.8526
9 1-e ^s (Table XIV)		0.04515	0.04600	0.04693	0.04606	0.04602	0.04602	0.04602	0.04602
10 P _i	3237.2	2924.2	2612.1	2099.2	1484.4	2617.2	2617.2	2617.2	2617.2
11 P _i 2/1000		8550.9	6849.7	4410.6	2202.3	6849.7	6849.7	6849.7	6849.7
12 F _i (Table XV)	0.58199	0.60265	0.61623	0.63349	0.61727	0.61602	0.61602	0.61602	0.61602
13 F _c = F _i T _z		7.6179	7.4253	7.223	7.4128	7.4253	7.4253	7.4253	7.4253
14 F _c Q _m		3.344	4.730	6.342	7.969	4.730	4.730	4.730	4.730
15 L/H (F _c Q _m) ²		11.18	22.37	40.22	63.50	22.37	22.37	22.37	22.37
16 F _w = L/H (F _c Q _m) ² (1-e ^s)		5.0	10.3	18.9	29.2	10.3	10.3	10.3	10.3
17 P _w ² = P _i ² + F _w		8555.9	6860.0	4418.5	2232.1	6860.0	6860.0	6860.0	6860.0
18 P _s ² = e ^s P _w ²	18638	15600	12701	8824	4132	12709	12709	12709	12709
19 P _s	4317.2	3949.7	3564.2	2889.7	2034.1	3564.2	3564.2	3564.2	3564.2
20 P = (P _i + P _s)	3728.2	3436.9	3090.7	2443.4	1959.3	3090.7	3090.7	3090.7	3090.7
21 P _i = (P/P _{ci})	5.564	5.369	4.859	3.678	2.595	4.859	4.859	4.859	4.859
22 T _i = (T/T _{ci})	1.480	1.481	1.482	1.483	1.483	1.482	1.482	1.482	1.482
23 Z (Table XI)	0.8305	0.804	0.7875	0.761	0.7805	0.7875	0.7875	0.7875	0.7875