

WORK SHEET FOR CALCULATION OF WELLHEAD PRESSURES (or P_w)
FROM KNOWN BOTTOM HOLE PRESSURE (or P_s)

COMPANY Depco Incorp. LEASE Sealande Fed. A. WELL NO. 1 DATE 1

LOCATION: Unit 8795 Section 8795 Township LH 1.00 Range G 1.685

L 8795 H 8795 G 1.685 % CO₂ 385 % N₂ 385 % H₂S 385

GH 6025 P_{cr} 669 T_{cr} 385
TABLE IX & X

DATE NOV 2

II

III

IV

LINE	1	2	3	4	5	6	7	8
1	$T_w(W.H. \cdot R)$	534	534	534	534	534	534	534
2	$T_s(B.H. \cdot R)$	622	622	622	622	622	622	622
3	$T = \left(\frac{T_w + T_s}{2} \right)$	578	578	578	578	578	578	578
4	Z (Est.)	1.780	1.772	1.775	1.771	1.772	1.772	1.783
5	TZ	450.8	446.2	447.9	445.6	446.2	447.4	452.6
6	GH/TZ	13.364	13.502	13.050	13.520	13.502	13.448	13.343
7	e^s (Table XIV)	1.651	1.659	1.656	1.660	1.659	1.657	1.647
8	P_s or P_s	2718.2	2718.2	2631.2	2631.2	2496.2	2099.2	2099.2
9	P_s^2 or P_s^2	7718.4	7718.4	6923.2	6923.2	6231.0	4406.6	4406.6
10	$P_c^2 = P_s^2 / e^s$ or $P_w^2 = P_s^2 / e^s$	4626.1	4651.9	4180.8	4164.9	3755.4	2655.3	2655.3
11	P_w or P_w	2162.4	2156.8	2044.7	2040.0	1937.9	1637.9	1635.5
12	$P_c = \left(\frac{P_w + P_s}{2} \right)$ or $\left(\frac{P_c + P_s}{2} \right)$	2470.3	2467.5	2337.9	2336.6	2217.0	1864.9	1864.3
13	$P_r = (P/P_{cr})$	3.64	3.69	3.09	3.49	3.31	2.79	2.79
14	$T_r = (T/T_{cr})$	1.50	1.50	1.50	1.50	1.50	1.50	1.50
15	Z (Table XI)	1.772	1.772	1.771	1.771	1.772	1.772	1.783