

STATE BUREAU OF SURFACES (PSIA)
CARE TO SURFACES

WORK SHEET FOR CALCULATION OF WELLHEAD PRESSURES (P_c or P_s)

FROM KNOWN BOTTOM HOLE PRESSURE (P_f or P_s)

Form C-122F
Adopted 9-1-65

COMPANY NEW BOURN OIL CO LEASE

1066L

WELL NO. 1

DATE 8-28-90

LOCATION: Unit

Section

Township

Range

* 8465

H 8465

L/H 1.000

G .644

% CO₂ 1.288

% N₂ .29

% H₂S —

BUREAU OF INSTRUMENT SET
T.N.S. DEPT

GH 5451.48

P_{CT}

674

T_{CT}

571

TABLE IX B X

TABLE IX B X

LINE	1	2	3	4	5	6	7	8
1	$T_w(W.H. \cdot R)$	534	534					
2	$T_s(B.H. \cdot R)$	619	619					
3	$T = \frac{T_w + T_s}{2}$	576.5	576.5					
4	Z (Est.)	1.756	1.808					
5	TZ	458.8	465.8					
6	GH/TZ	11.879	11.703					
7	e^S (Table XIV)	1.561	1.550					
8	P_f or P_s	1686.2	1686.2					
9	P_f^2 or P_s^2	2843.3	2843.3					
10	$P_c^2 = P_f^2 / e^S$ or $P_w^2 = P_s^2 / e^S$	1821.1	1833.2					
11	P_c or P_w	1349.5	1354.0	=	P_c			
12	$P_c \cdot \frac{(P_w + P_s)}{2}$ or $\frac{(P_c + P_s)}{2}$	1517.8	1520.0					
13	$P_r = (P/P_{cr})$	2.25	2.25					
14	$T_r = (T/T_{cr})$	1.55	1.55					
15	Z (Table XI)	.808	.808					