

WORK SHEET FOR CALCULATION OF WELLHEAD PRESSURES (P<sub>c</sub> or P<sub>w</sub>)  
FROM KNOWN BOTTOM HOLE PRESSURE (P<sub>f</sub> or P<sub>cr</sub>)

COMPANY Summit Oil LEASE Shiner WELL NO. 9 DATE \_\_\_\_\_  
 LOCATION: Unit \_\_\_\_\_ Section \_\_\_\_\_ Township \_\_\_\_\_ Range \_\_\_\_\_  
 L 10, 764 H 10, 764 LH 100 G 668 % CO<sub>2</sub> \_\_\_\_\_ % N<sub>2</sub> \_\_\_\_\_ % H<sub>2</sub>S \_\_\_\_\_  
 GH 7190 P<sub>cr</sub> 670 T<sub>cr</sub> 775 TABLE IX & X

LINE	1	2	3	4	5	6	7	8
1	T <sub>w</sub> (W.H. °R)	534	584					
2	T <sub>s</sub> (B.H. °R)	642						
3	T = (T <sub>w</sub> + T <sub>s</sub> ) / 2	588	588					
4	Z (Est.)	1.713	1.784					
5	TZ	454.5	460.3					
6	GH/TZ	15.810	15.597					
7	e <sup>s</sup> (Table XIV)	1.810	1.795					
8	P <sub>f</sub> or P <sub>s</sub>	2172	2172					
9	P <sub>f</sub> <sup>2</sup> or P <sub>s</sub> <sup>2</sup>	4567.6	4567.6					
10	P <sub>c</sub> <sup>2</sup> = P <sub>f</sub> <sup>2</sup> /e <sup>s</sup> or P <sub>w</sub> <sup>2</sup> = P <sub>s</sub> <sup>2</sup> /e <sup>s</sup>	2533.9	2549.9					
11	P <sub>c</sub> or P <sub>w</sub>	1588.7	1595.3					
12	P <sub>c</sub> · (P <sub>w</sub> + P <sub>s</sub> ) / 2 or (P <sub>c</sub> + P <sub>f</sub> ) / 2	1862.9	1866.2					
13	P <sub>f</sub> = (P/P <sub>cr</sub> )	2.78	2.79					
14	T <sub>f</sub> = (T/T <sub>cr</sub> )	1.55	1.55					
15	Z (Table XI)	1.84	1.783					

ILLEGIBLE