

Huber 1A F. well No 2 P-15-215-21C

Strawn Completion: pfs 7732-7742, Potential $\approx$ 840 mcfpd

Original BHP = 2399.2 psia, $P_R = 3.592$, $T_R = 1.5274$, $Z_o = 0.783$

12-12-78 SIBHP = 2266.2 psia, $P_R = 3.393$, $T_R = 1.5274$, $Z_o = 0.784$

Abandonment Pressure assumed 5% of 2399.2 = 120 psia, $P_R = .18$, $Z_a = 0.982$

Cum Prod to 12-12-78 = 12047 mcf, no condensate.

$$12/12/78 - \text{Remaining Primary} = \frac{P_{i/20} - P_{a/20}}{P_{i/20} - P_{a/20}} N_p = \frac{2266.2/0.784 - 120/0.982 (12047)}{2399.2/0.783 - 2266.2/0.783}$$

$$= \frac{2890.6 - 122.2}{3064.1 - 2890.6} (12047)$$

$$= \frac{2768.4 (12047)}{173.5} = 192,227 \text{ mcf}$$

$$\text{Ultimate Res} = \frac{12,047}{204,271} \text{ mcf}$$

Cisco Canyon Completion: pfs 5314-6266, Tested 260 mcfpd + 5 BOPD.

Most probable Reserves = $\frac{\text{Cisco Canyon Potential} \times \text{Strawn Ult Res}}{\text{Strawn Potential}}$

$$= \frac{260}{840} (204,271) = 63,227 \text{ mcf}$$

It is proposed to allocate future commingled production on the basis of remaining reserves.

Strawn Production from 12-12-78 to 1-31-79 = 5354 mcf

1-31-79 Remaining Reserves - Strawn = 186,870 mcf = 75%

Permian = 63,227 mcf = 25% Cond. 100%

Yates Petroleum Corp

by Edwin L. Walz

1-31-79