Huber 1A Federal No 2 P-15-21S-21E

Strawn Completion: pfs 7732-7742, Potentialed @ 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, $P_R = 3.393$, $T_R = 1.5274$, $Z_1 = 0.784$

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 – Remaining Primary $= \frac{P_1/Z_1 - P_a/Z_a}{P_o/Z_o - P_1/Z_1} N_p = \frac{2266.2/.784 - 120.0/.982}{2399.2/.783 - 2266.2/.783} (12047)$

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

$= \frac{2768.4}{173.5} (12047) = 192,224$ mcf

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

Cisco-Canyon Completion: pfs 5814-6266, Tested 260 mcfpd + 5 BOPD.

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

$= \frac{260}{840} (204271) = 63227$ 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 = 186870 mcf = 75%

Permo Penn = 63227 mcf = 25%, Cond. 100%

Yates Petroleum Corp
by Eddie Mahfood
1-31-79