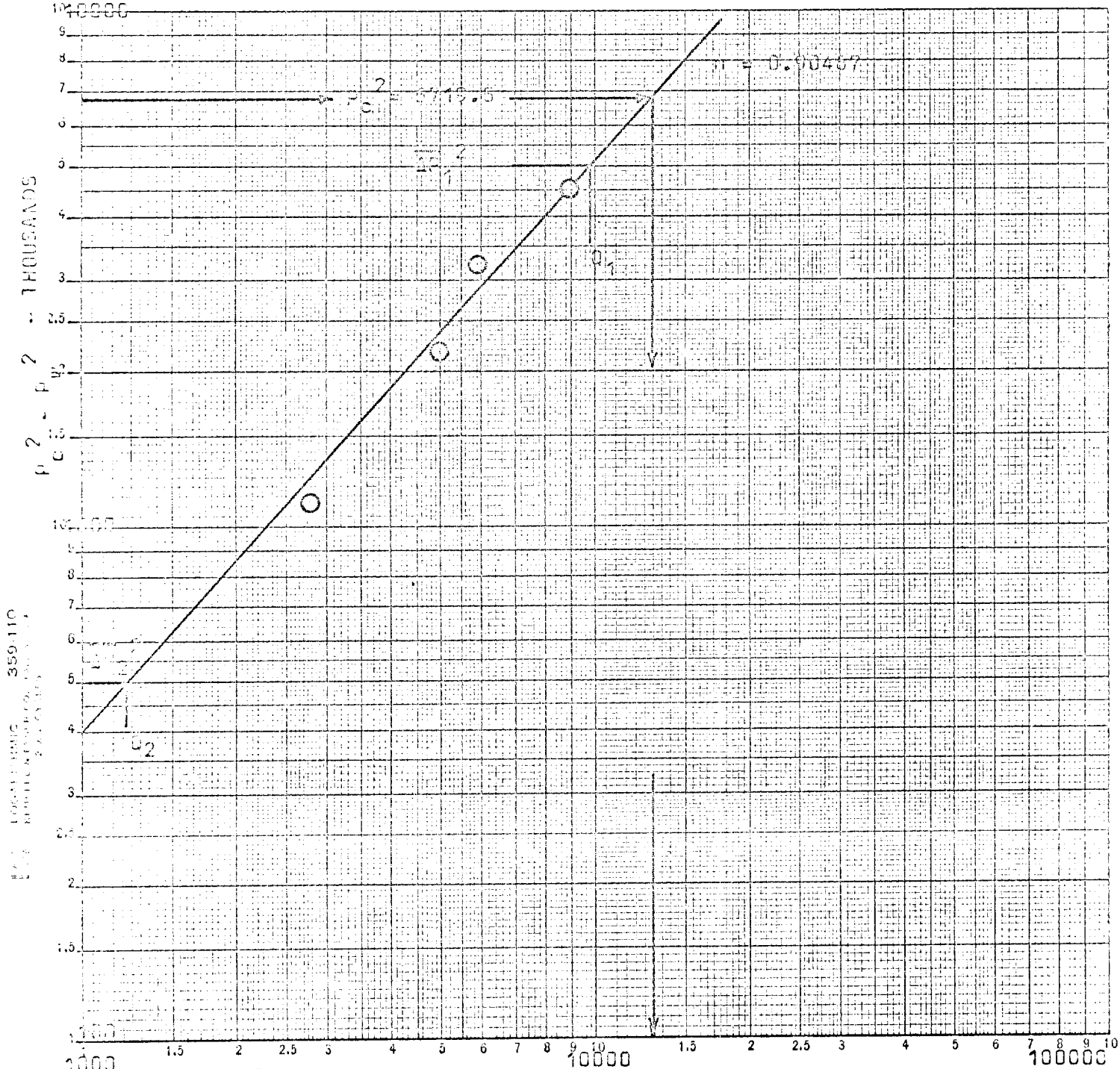


COMPANY	Black River Corporation
WELL	Cities - Federal No. 2
LOCATION	J - Sec. 34 T25S R24E
COUNTY	Eddy
DATE	September 10, 1971



359-110  
 LOCAL-PMC  
 1000-10000  
 1000-10000

$$\frac{p_c^2 - p_w^2}{Q^2} = p_c^2 - p_w^2 = 5000$$

$$\frac{p_c^2 - p_w^2}{Q^2} = p_c^2 - p_w^2 = 500$$

$$p_c^2 = 9800$$

$$p_w^2 = 1220$$

$$\text{Log } Q_1 = 3.99123$$

$$\text{Log } Q_2 = 3.08636$$

$$n = 0.90487$$

$$\theta = 47.5^\circ$$

ABSOLUTE OPEN FLOW = 13,000 MCFD