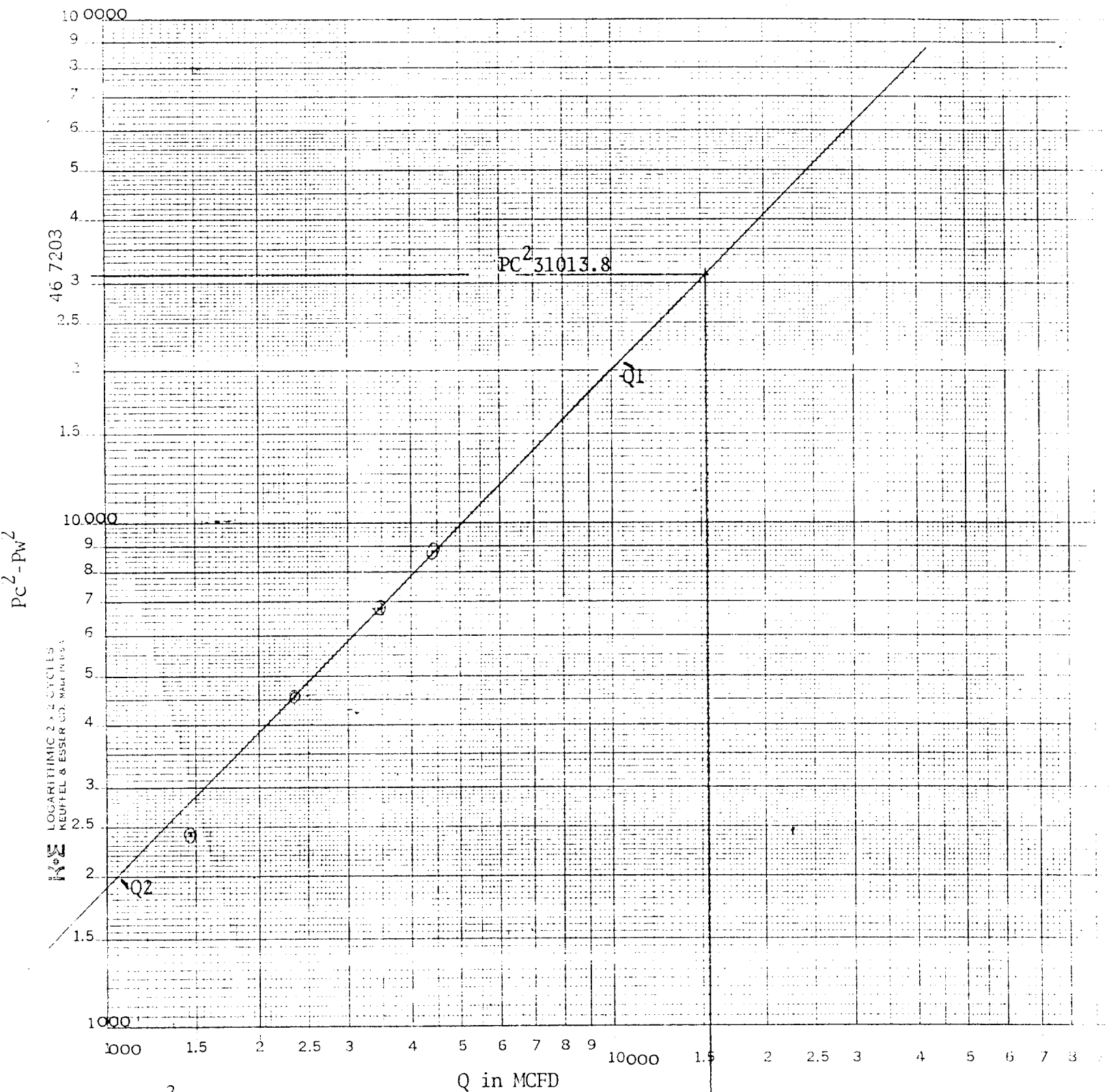


Company Union Oil Company of California  
 Well North Maduro Federal Unit Well No. 1  
 Location 20-19S-33E  
 County Lea  
 Date 6-2-88



$$\frac{\Delta P}{L}^2 \text{ PC}^2 - \text{PW}^2 = 20000$$

$$\frac{\Delta P}{L}^2 \text{ PC}^2 - \text{PW}^2 = 2000$$

$$Q1 = 10000 \text{ MCFD}$$

$$Q2 = 1100 \text{ MCFD}$$

$$\text{Log } Q1 = 4.00000$$

$$\text{Log } Q2 = 3.04139$$

$$N = \frac{4.00000 - 3.04139}{4.00000 - 3.04139} = .95861 \quad N = .959$$

$$\text{AOF} = 15500 \text{ MCFD}$$