

WELL RRGE-3 ARTESIAN CAPABILITY

The probable maximum sustained free-flowing artesian capability of well RRGE-3 is 12-13 lps.

Predicted wellhead pressure decline at a range of rates and times is shown in Figure 3-E-2. The predicted response is based on the following assumption.

1. The intended use will be 85% for a period of 3 to 5 years.
2. The hot shut-in wellhead pressure is 970 kPa.
3. The minimum wellhead pressure to sustain flow is 70 kPa.
4. The available drawdown for free-flow is 900 kPa.
5. All well losses are accounted for in the initial 100 minutes of flow.
6. Projected drawdown is described by  $P_{wh} = 180 \log t$  (kPa).
7. No boundaries or interference drawdown are experienced.

With these assumptions, the available drawdown of 900 kPa would be exhausted after 3 years of 85% sustained use at 12 to 13 lps.

100 MINUTE SPECIFIC CAPACITY  
WELL RICE-3 FLOWING ARTESIAN

400

350

300

250

200

150

100

50

DRAWDOWN (HPG)

10

12

14

16

18

20

22

Flow (G) / ps.

46 0780

KE 10 X 10 TO THE INCH 7 X 10 INCHES  
KEUFFEL & ESSER CO. MADE IN U.S.A.

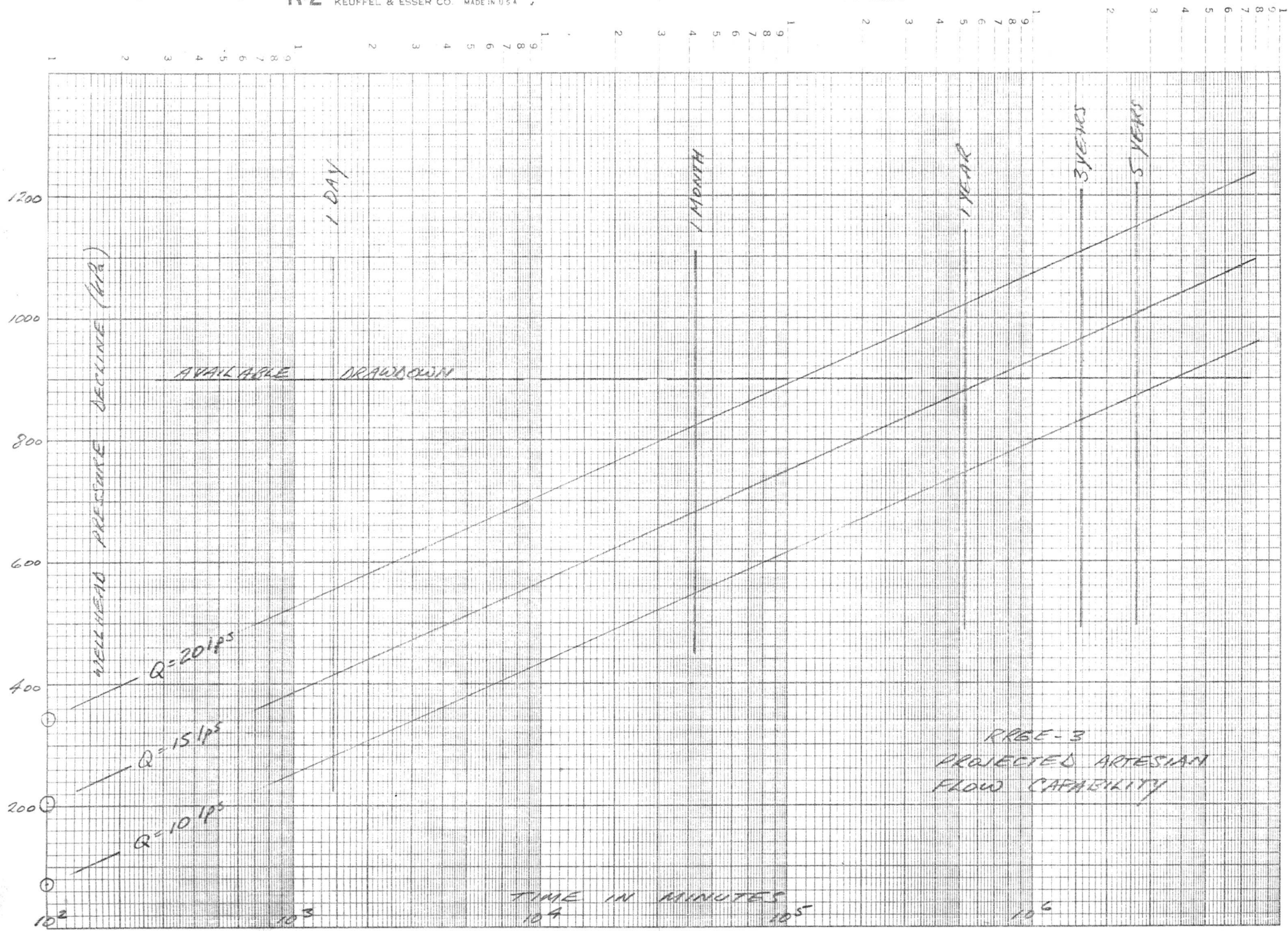


FIGURE 3-E-2