

~~TO LEVEL MINES~~  
~~FROM NIBH~~

RRUE-1 DRAWDOWN PREDICTIONS for 20 DAY (28800 minutes) test

1. BASED UPON 880 GPM TEST 2-2 THRU 2-6-76 (260 HRS)
2. NO WELL INTERFERENCE IS ASSUMED
3. BOUNDARY INDICATES THAT A BARRIER BOUNDARY IS INFLUENCING DRAWDOWN AFTER ~~333~~ 333 HRS (20000 minutes) - THIS IS ADDED FOR CONSERVATISM AND WAS NOT INDICATED BY DATA
4. DRAWDOWN WILL BE FROM A ASSUMED INITIAL wellhead pressure of 1100 kPa (160 psig)

6607327-5

PUMPING RATE	DRAWDOWN AFTER 20 DAYS NO BOUNDARY assuming	DRAWDOWN AFTER 20 DAYS ASSUMING BARRIER BOUNDARY
50.5 lps 800 gpm	1890 kPa 275 psi	1970 kPa 286 psi
56.8 lps 900 gpm	2130 kPa 309 psi	2220 kPa 322 psi
63.1 lps 1000 gpm	2370 kPa 343 psi	2570 kPa 358 psi
69.4 lps 1100 gpm	2600 kPa 378 psi	2710 kPa 394 psi
75.7 lps 1200 gpm	2840 kPa 412 psi	2960 kPa 430 psi
82.0 lps 1300 gpm	3080 kPa 446 psi	3210 kPa 465 psi

RRLE-1 PREDICTED DRAWDOWN

20 DAY TEST

800 gpm - 1200 gpm → DRAWDOWN

20 DAYS = 28800 MINUTES

~~800~~

800 gpm NO BOUNDARY

$$\frac{302 \text{ psi}}{880 \text{ gpm}} = \frac{\Delta}{800 \text{ gpm}} \quad \Delta = 275 \text{ psi}$$

800 gpm <sup>BARRIER</sup> BOUNDARY AT 28800 MINUTES

$$\frac{315 \text{ psi}}{880 \text{ gpm}} = \frac{\Delta}{800 \text{ gpm}} \quad \Delta = 286 \text{ psi}$$

900 gpm NO BOUNDARY

$$\frac{302 \text{ psi}}{880 \text{ gpm}} = \frac{\Delta}{900 \text{ gpm}} \quad \Delta = 309 \text{ psi}$$

900 gpm <sup>BARRIER</sup> ~~NO~~ BOUNDARY AT 20,000 MINUTES

$$\frac{315 \text{ psi}}{880 \text{ gpm}} = \frac{\Delta}{500 \text{ gpm}} \quad \Delta = 322$$