

Table 3-4. Flow Rates and Total Run-Times for KR4 P&T System Extraction and Injection Wells, CY 2013

| Well ID | Well Name              | PLC ID | Yearly Average Flow Rate, L/min (gpm) | Total Flow Hours in CY 2012 | Total Run-Time <sup>a</sup> (Percent) | Purpose    |
|---------|------------------------|--------|---------------------------------------|-----------------------------|---------------------------------------|------------|
| C5940   | 199-K-162              | KE01   | 166.7 (44)                            | 8,712                       | 99.5                                  | Extraction |
| B2803   | 199-K-116              | KE02   | 156.1 (41.2)                          | 8,712                       | 99.5                                  | Extraction |
| C5361   | 199-K-145              | KE11   | 204.7 (54)                            | 8,640                       | 98.6                                  | Extraction |
| C3662   | 199-K-127              | KE12   | 70.3 (18.6)                           | 8,256                       | 94.2                                  | Extraction |
| B2807   | 199-K-120A             | KE13   | 80.4 (21.2)                           | 8,448                       | 96.4                                  | Extraction |
| C5360   | 199-K-144              | KE14   | 152.4 (40.2)                          | 7,944                       | 90.7                                  | Extraction |
| B2800   | 199-K-113A             | KE21   | 46.9 (12.4)                           | 8,712                       | 99.5                                  | Extraction |
| B2802   | 199-K-115A             | KE22   | 79.7 (21.1)                           | 8,712                       | 99.5                                  | Extraction |
| C4117   | 199-K-129              | KE23   | 37.1 (9.8)                            | 5,136                       | 58.6                                  | Extraction |
| B2801   | 199-K-114A             | KE24   | 73.9 (19.5)                           | 8,712                       | 99.5                                  | Extraction |
| C7698   | 199-K-198 <sup>b</sup> | N/A    | N/A                                   | N/A                         | N/A                                   | Extraction |
| C7699   | 199-K-199 <sup>b</sup> | N/A    | N/A                                   | N/A                         | N/A                                   | Extraction |
| B2808   | 199-K-121A             | KJ1    | 136.2 (36)                            | 8,328                       | 95.1                                  | Injection  |
| B2809   | 199-K-122A             | KJ2    | 250.8 (66.2)                          | 8,712                       | 99.5                                  | Injection  |
| B2810   | 199-K-123A             | KJ3    | 91.6 (24.2)                           | 8,640                       | 98.6                                  | Injection  |
| C7150   | 199-K-179              | KJ4    | 245.1 (64.7)                          | 8,712                       | 99.5                                  | Injection  |
| C3663   | 199-K-128              | KJ5    | 303 (80)                              | 8,712                       | 99.5                                  | Injection  |

a. Percentage total run-time is calculated by [(days well in operation) ÷ (number of days in the CY)].

b. New extraction wells were connected to the KR4 pump-and-treat system in 2013 but were not online until 2014.

CY = calendar year

gpm = gallons per minute

ID = identification

N/A = not applicable

PLC = programmable logic controller