

Table 2-5. Flow Rates and Total Run-Times for HX P&T System Extraction and Injection Wells for 2014

Well ID	Well Name	PLC ID	Flow Rate, L/min (gal/min)		Total Flow Hours in 2014	Total Run-Time ^a (Percent)	Purpose
			Low River Stage Average	High River Stage Average			
C7477	199-H1-45	HE01	102 (26.9)	101.8 (26.9)	8,760	100.00%	Extraction
A4621	199-H4-15	HE02	103 (27.2)	120.5 (31.8)	8,760	100.00%	Extraction
C7485	199-H4-69	HE03	79.8 (21.1)	101.9 (26.9)	8,760	100.00%	Extraction
C7483	199-H4-70	HE04	86 (22.7)	90.1 (23.8)	8,760	100.00%	Extraction
C7597	199-H4-75	HE05	74 (19.5)	72.2 (19.1)	8,688	99.18%	Extraction
A4630	199-H4-4	HE06	20.6 (5.4)	40.4 (10.7)	5,880	67.12%	Extraction
B2776	199-H4-63	HE07	102.3 (27)	103.7 (27.4)	8,184	93.42%	Extraction
B2777	199-H4-64	HE08	31 (8.2)	75.6 (20)	8,712	99.45%	Extraction
A4613	199-H3-2C	HE09	99.4 (26.3)	126.1 (33.3)	8,760	100.00%	Extraction
A4618	199-H4-12C	HE10	110.2 (29.1)	112.8 (29.8)	8,640	98.63%	Extraction
C7108	199-H1-34	HE21	29.5 (7.8)	80.2 (21.2)	8,568	97.81%	Extraction
C7106	199-H1-35	HE22	74.1 (19.6)	102.4 (27)	8,760	100.00%	Extraction
C7102	199-H1-36	HE23	22.4 (5.9)	30.5 (8.1)	8,760	100.00%	Extraction
C7099	199-H1-37	HE24	43 (11.4)	95.3 (25.2)	7,488	85.48%	Extraction
C7098	199-H1-38	HE26	20.1 (5.3)	76.4 (20.2)	8,400	95.89%	Extraction
C7109	199-H1-39	HE27	27.1 (7.2)	84.5 (22.3)	6,408	73.15%	Extraction
C7104	199-H1-40	HE28	14.2 (3.8)	64.6 (17.1)	7,992	91.23%	Extraction
C7107	199-H1-42	HE29	59.6 (15.7)	96.6 (25.5)	8,688	99.18%	Extraction

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			Low River Stage Average	High River Stage Average			
C7492	199-H1-43	HE30	111.2 (29.4)	103.7 (27.4)	7,344	83.84%	Extraction
C7581	199-H1-3 ^b	HE31	0 (0)	1.3 (0.3)	1,056	12.05%	Extraction
C7584	199-H1-2	HE32	9.4 (2.5)	13.2 (3.5)	8,400	95.89%	Extraction
C7585	199-H1-1	HE33	112.8 (29.8)	103.7 (27.4)	8,760	100.00%	Extraction
C7587	199-H4-76	HE34	33.4 (8.8)	38.4 (10.1)	3,816	43.56%	Extraction
C7604	199-H1-4	HE35	6 (1.6)	6.7 (1.8)	7,584	86.58%	Extraction
C7605	199-H4-77	HE36	37.3 (9.8)	31.4 (8.3)	7,488	85.48%	Extraction
C7606	199-H1-6	HE37	10.5 (2.8)	25.3 (6.7)	6,720	76.71%	Extraction
C7478	199-H1-25	HE38	80.1 (21.1)	105.1 (27.7)	8,688	99.18%	Extraction
C7480	199-H1-27	HE39	50.4 (13.3)	105.8 (27.9)	8,400	95.89%	Extraction
C7100	199-H1-32	HE40	8 (2.1)	38.8 (10.3)	5,112	58.36%	Extraction
C7105	199-H1-33	HE41	53.4 (14.1)	93.3 (24.6)	5,640	64.38%	Extraction
B2779	199-H3-4	HE42	489.2 (129.1)	421 (111.2)	8,760	100.00%	Extraction
C7489	199-H6-2	HJ01	70.2 (18.5)	137.6 (36.3)	8,544	97.53%	Injection
C7484	199-H4-73	HJ02	74.9 (19.8)	143.8 (38)	8,592	98.08%	Injection
C7488	199-H4-72	HJ03	126.1 (33.3)	175 (46.2)	8,616	98.36%	Injection
C7483	199-H4-71	HJ04	124.9 (33)	167.1 (44.1)	8,616	98.36%	Injection
A4628	199-H4-18	HJ05	42.4 (11.2)	58.9 (15.6)	8,424	96.16%	Injection

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Well ID	Well Name	PLC ID	Flow Rate, L/min (gal/min)		Total Flow Hours in 2014	Total Run-Time ^a (Percent)	Purpose
			Low River Stage Average	High River Stage Average			
C7114	199-H3-27	HJ06	140.9 (37.2)	194.1 (51.3)	8,760	100.00%	Injection
C7115	199-H3-26	HJ07	163.6 (43.2)	230.2 (60.8)	8,736	99.73%	Injection
C7110	199-H3-25	HJ08	158.9 (41.9)	231.6 (61.1)	8,256	94.25%	Injection
C7598	199-H4-74	HJ09	137.9 (36.4)	212.1 (56)	8,760	100.00%	Injection
C7588	199-H4-78	HJ10	237.4 (62.7)	334.7 (88.4)	8,760	100.00%	Injection
C7586	199-H4-79	HJ11	237.4 (62.7)	253.2 (66.8)	8,328	95.07%	Injection
C7111	199-H1-21	HJ12	242.9 (64.1)	270.3 (71.4)	8,760	100.00%	Injection
C7113	199-H1-20	HJ13	193.7 (51.1)	189.6 (50)	8,760	100.00%	Injection
A4627	199-H4-17	HJ14	22.9 (6.1)	34.1 (9)	8,016	91.51%	Injection

Note: For purposes of deriving average flow rates for low river and high river stage, flow rates from mid-August through early-December were averaged for low river, and flow rates from mid-March through early-August were averaged for high river.

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

b. 199-H1-3 was removed from service in August 2014 due to low production rates

CY = calendar year

ID = identification

PLC = programmable logic controller