

Table 2.7-9 1982 and 2006 Pump Test Results

Well ID	Completion Zone	Date of Test Startup	Pumping Well	Underreamed interval ⁶	Pumping Rate	Length of Test	Max Drawdown	Transmissivity/Analytical Method								
								Cooper Jacobs ⁷		Hantush		Jacob Recovery		Average	Average Hydraulic Conductivity	Storativity
				(feet)	(gpm)	(hr:min)	(feet)	(gpd/ft)	(ft ² /d)	(gpd/ft)	(ft ² /d)	(gpd/ft)	(ft ² /d)	(ft ² /d)	(ft/d)	
Multi-Well Tests																
LC16M ¹	HJ	11/8/2006	LC16M	57	15	19:50	21.8	818	109.4			769	102.8	106.1	1.9	
LC19M ² 1st	HJ	10/26/2006	LC19M	51	17.6-18.8	10:42	26.4	553	73.9			719	96.1	85.0	1.7	
LC19M ² 2nd	HJ	11/2/2006	LC19M	51	17.6-18.8	25:30	29.1	590	78.9			773	103.3	91.1	1.8	
LC22M ³	HJ	11/15/2006	LC22M	81	11.75	45:00	36.3	3007	402.0			1605	214.6	308.3	3.8	
M-25-92-19-1M	HJ	8/17/1982	M-25-92-19-2M	~50	30	25:10	28.5	700	93.6	730	97.6	760	101.6	97.6	2.0	8.40E-04
M-25-92-19-2M	HJ	8/17/1982	M-25-92-19-2M	~50	30	25:10	49	730	97.6	580	77.5	620	82.9	86.0	1.7	
M-25-92-19-3M	HJ	8/17/1982	M-25-92-19-2M	~50	30	25:10	31.7	680	90.9	610	81.6	730	97.6	90.0	1.8	3.30E-04
M-25-92-20-1M ⁴	HJ	8/19/1982	M-25-92-20-1M	~50	30	25:00	25	2000	267.4			1300	173.8	220.6	4.4	
Single Well Tests																
LC26M	HJ	11/17/2006		55	13.6-14.3	1:09	9.7	1821	243.4						4.4	
LC27M 1st	HJ	10/24/2006		23	12.8-13.0	2:05	12.5	1659	221.8						9.6	
LC27M 2nd ⁵	HJ	11/16/2006		23	8.8	2:13	8.2	2013	269.1						11.7	
LC15M	LFG	11/26/2006		54	14.2	1:50	32.1	302	40.4						0.7	
LC18M 1st	LFG	9/20/2006		42	8.8-13.0	3:25	94	33	4.4						0.1	
LC18M 2nd	LFG	11/22/2006		42	7.5 to 10	2:17	50.5	62	8.3						0.2	
LC21M	LFG	11/26/2006		23	13.1	3:45	50.2	303	40.5						1.8	
LC25M	LFG	11/17/2006		33	9.4-12.2	2:01	75	212	28.3						0.9	
LC17M	UKM	11/26/2006		36	13	2:15	26	195	26.1						0.7	
LC20M	UKM	11/22/2006		32	12-12.5	2:21	23.5	520	69.5						2.2	
LC23M	UKM	11/26/2006		35	9.9	3:56	25	583	77.9						2.2	
LC24M	UKM	11/26/2006		53	12.1	1:12	24	561	75.0						1.4	
LC29M	DE	9/20/2006		40	0.67	0:31	10.3	10	1.3						0.0	
LC30M 1st	DE	9/20/2006		40	2.7-3.3	5:02	13	231	30.9						0.8	
LC30M 2nd	DE	11/26/2006		40	7	2:55	24	573	76.6						1.9	
LC31M	DE	11/26/2006		40	7	1:34	14	1098	146.8						3.7	

¹ -No significant response from HJ observation wells LC19M (across fault 1,284 ft), LC22M (8,500 ft) or LC26M (3,640 ft) during the test

² -No significant response from HJ observation wells LC16M (1,284 ft), LC22M (7,500 ft) or LC26M (4,850 ft) (all located across the fault) during the test.

³ -No significant response from HJ observation wells LC16M (8,502 ft) or LC28M (8908 ft) or from LFG well LC21M (15 ft) or UKM well LC23M (15 ft) during the test

⁴ -No response from overlying (M-25-92-20S) or underlying (M25-92-20-D) observation wells during the test

⁵ - Pump was shut off after 59 minutes for 10 minutes, then test was resumed

⁶ - The underreamed interval in the M-25-92 series wells is estimated. These data not provided in Hydro-Search, Inc report (1982)

⁷ - Hydro Engineering (2007) reported early and late time values for Cooper Jacobs analytical methods. Only late time data results are shown here.

Late time data provides better representation as much of the early time data is impacted by casing storage and later time data shows effects of fault