TABLE 3.5.3.2-I
DENSITIES OF 25 WEIGHT PERCENT NaCl SOLUTIONS, g/cm^3

[The uncertainties in the densities are: 3-place figures ±0.005 and ±0.05 for 2-place figures.]

	Pressure (bars)													
Temp °C	100	200	300	400	500	600	700	800	900	1000	1250	1500	1750	2000
25	1.188	1.192	1.195	1.199	1.202	1.205	1.207	1.211	1.213	1.217	1.226	1.231	1.237	1.243
50	1.175	1.179	1.183	1.188	1.193	1.196	1.200	1.204	1.207	1.210	1.217	1.224	1.231	1.237
75	1.160	1.167	1.170	1.177	1.182	1.185	1.189	1.194	1.197	1.200	1.208	1.215	1.222	1.229
100	1.143	1.152	1.155	1.164	1.169	1.173	1.177	1.183	1.186	1.190	1.198	1.206	1.213	1.221
125	1.127	1.135	1.140	1.149	1.155	1.160	1.164	1.171	1.174	1.178	1.186	1.195	1.203	1.211
150	1.109	1.117	1.122	1.133	1.140	1.145	1.150	1.157	1.161	1.164	1.174	1.184	1.192	1.201
175	1.090	1.099	1.104	1.116	1.123	1.129	1.134	1.142	1.146	1.150	1.160	1.171	1.180	1.190
200	1.070	1.078	1.085	1.097	1.105	1.111	1.116	1.125	1.129	1.134	1.146	1.157	1.167	1.178
225	1.049	1.058	1.065	1.075	1.085	1.091	1.098	1.107	1.111	1.117	1.130	1.142	1.154	1.165
250	1.027	1.035	1.044	1.055	1.064	1.071	1.078	1.087	1.092	1.099	1.112	1.127	1.139	1.151
275	1.004	1.011	1.021	1.032	1.041	1.049	1.057	1.066	1.072	1.079	1.094	1.110	1.123	1.136
300	0.979	0.986	0.997	1.007	1.017	1.025	1.033	1.043	1.050	1.057	1.075	1.092	1.106	1.120
325	0.952	0.960	0.971	0.981	0.991	1.001	1.010	1.019	1.027	1.035	1.055	1.073	1.089	1.104
350	0.926	0.937	0.945	0.954	0.964	0.974	0.983	0.993	1.002	1.012	1.033	1.053	1.070	1.087
375	0.90*	0.908	0.917	0.924	0.934	0.945	0.955	0.965	0.975	0.986	1.010	1.032	1.051	1.069
400	0.87*	0.877	0.886	0.893	0.903	0.915	0.925	0.936	0.947	0.960	0.986	1.010	1.031	1.050
425	--	0.84*	0.855	0.861	0.871	0.883	0.894	0.905	0.918	0.932	0.961	0.986	1.010	1.031
450	--	--	0.81*	0.82*	0.83*	0.848	0.861	0.874	0.887	0.902	0.934	0.965	0.988	1.010
475	--	--	--	--	--	0.81*	0.82*	0.836	0.857	0.871	0.905	0.937	0.965	0.988
500	--	--	--	--	--	--	--	0.812	0.827	0.842	0.880	0.910	0.940	0.965

*Extrapolated values

Source: Potter and Brown, 1977

TABLE 3.5.4-I

VISCOSITY OF LOW-DENSITY INJECTATE AT VARIOUS DEPTHS

Depth (feet)	Temperature (°F)	Pressure (psi)	Viscosity (cp)
4000	130.4	1673.48	0.5050
4750	141.0	2019.01	0.4611
5500	151.6	2364.55	0.4235
6000	158.6	2594.90	0.4015
6500	165.7	2825.26	0.3812
6862	170.8	2992.04	0.3677
7000	172.7	3055.62	0.3629
7500	179.8	3285.97	0.3460
8000	186.8	3516.33	0.3307
8500	193.9	3746.68	0.3164

TABLE 3.5.4-II

VISCOSITY OF HIGH DENSITY INJECTATE AT VARIOUS DEPTHS

Depth (feet)	Temperature (°F)	Pressure (psi)	Viscosity (cp)
4000	130.4	1673.48	1.0073
4750	141.0	2019.01	0.9235
5500	151.6	2364.55	0.8513
6000	158.6	2594.90	0.8090
6500	165.7	2825.26	0.7700
6862	170.8	2992.04	0.7440
7000	172.7	3055.62	0.7347
7500	179.8	3285.97	0.7020
8000	186.8	3516.33	0.6724
8500	193.9	3746.68	0.6447

TABLE 3.7.3-I
PRODUCTION FROM THE FRIO FORMATION WITHIN 20 MILES OF INJECTION SITE

			IHS Historical Production Data as of October 2014			Total Adjusted Production (Historical Adjusted plus Future)								
Field	Location Miles	Location Direction	Oil (B)	Water (B)	Gas (MCF)	Oil[1] (MMRB)	Water[2] (MMRB)	Gas[3] (MMRB)	Total[4] (MMRB)	Total (CU FT)	Direction Angle from East (degrees)	Vector Length[5] (FT)	Vector East Length (FT, X)	Vector North Length (FT, Y)
Alligator Bayou	18.5	E	3,187,889	16,213,600	8,849,361	3.506678	16.213600	8.849361	34.283567					
Alligator Bayou E, SW, W	15.7	E	84,428	96,807	1,093,718	0.092871	0.096807	1.093718	1.540075					
Bayview N, Bayview District 3	10.5	E	3,272,418	319,132	562,384	3.599660	3.272418	0.562384	8.921354					
Cedar Bayou, Cedar Bayou N, NW	13.9	E	8,860,211	36,273,036	10,084,075	9.746232	36.273036	10.084075	57.324012					
Cotton Lake, Cotton Lake E, N, S, W	10.6	E	3,630,945	1,960,423	6,282,669	3.994040	3.630945	6.282669	16.689185					
Jergins	14.4	E	272,269	402	9,146	0.299496	0.272269	0.009146	0.697093					
Lawrence Ranch	14.0	E	585,119	411,097	6,618,621	0.644731	0.586119	6.618621	9.419365					
Petkas	19.3	E	40,422,949	152,240,851	290,355,637	44.465244	152.240851	290.355637	584.474078					
Trinity Bay, Trinity Bay W		E							723.348729	4,061,603,113	0.0	422.66	422.66	0.00
Total									294.775261	1,655,163,091	22.5	172.24	159.13	65.91
Barbers Hill	12.9	ENE	114,785,524	46,293,158	4,596,451	126.264076	114.785524	4.596451	296.435180	1,664,483,536	45.0	173.21	122.48	122.48
Total														
Liberty South	20.0	NE	88,078,856	31,099,484	62,063,719	96.886742	88.078856	62.063719	2.158722					
Highlands	4.1	NNE	37,670	205,973	1,551,525	0.041437	0.205973	1.551525	0.283274					
Victor Blanco	10.5	NNE	19	0	236,022	0.000021	0.000019	0.236022	2.441996	13,711,808	67.5	1.43	0.55	1.32
Total		NNE												
Clinton	9.0	NW	299,338	96,541	978,260	0.329272	0.299338	0.978260	1.928244					
Greens Bayou	2.6	NW	51,968	57,997	7,444,924	0.057165	0.057997	7.444924	9.072103					
Humble	18.0	NW	0	0	6,336	0.000000	0.000000	0.006336	0.007803					
Total		NW							11.007950	61,809,639	135.0	6.43	-4.55	4.55
Lynchburg	0.5	W	1,891	9,099	852,350	0.002080	0.009099	0.852350	1.036235	5,818,460	180.0	0.61	-0.61	0.00
Total														
Houston South	9.8	SW	5,197,436	9,190,262	3,458,382	5.717180	9.190262	3.458382	22.038989					
Mykawa, Mykawa New	14.2	SW	7,599,681	3,945,622	2,276,706	8.359649	7.599681	2.276706	21.883243					
Total		SW							43.922232	246,623,333	-135.0	25.66	-18.14	-18.14
Hastings, Hastings E, SE, W	17.0	SSW	707,427,126	2,907,354,072	287,752,387	778.169839	2,907.354072	287.752387	4,767.931558					
Webster	11.4	SSW	601,862,167	1,184,790,033	1,142,058,781	662.048384	1,184.790033	1,142.058781	3,586.676638					
Total		SSW							8,354.608196	46,911,125,021	-112.5	4881.69	-1868.14	-4510.09
Deer Park	3.9	S	1,002	0	0	0.001102	0.001002	0.000000	0.002525					
Dickinson	18.4	S	21,270,423	19,753,193	168,333,927	23.397465	21.270423	168.333927	255.602178					
League City, League City N, W	18.0	S	14,186,041	18,585,841	24,233,566	15.604645	18.585841	24.233566	70.108862					
Clear Lake, Clear Lake W	7.4	S	24,869,007	92,256,326	345,563,253	27.355908	92.256326	345.563253	558.210584					
Total		S							883.924149	4,963,234,097	-90.0	516.49	0.00	-516.49
Bacliff	16.5	SSE	19,221	0	628,640	0.021143	0.019221	0.628640	0.802805					
Kemah	13.8	SSE	11,076	16,905	571,285	0.012184	0.016905	0.571285	0.720449					
Nassau Bay	12.5	SSE	167,438	209,351	13,270,026	0.184182	0.209351	13.270026	16.396271					
San Leon	18.2	SSE	1,112,508	104,782	17,435,869	1.223759	1.112508	17.435869	23.726563					
Taylor Lake	11.4	SSE	788,714	2,982,856	23,160,591	0.867585	2.982856	23.160591	32.413238					
Total		SSE							74.059326	415,843,115	-67.5	43.27	16.56	-39.98

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TABLE 3.7.3-I
PRODUCTION FROM THE FRIO FORMATION WITHIN 20 MILES OF INJECTION SITE

			IHS Historical Production Data as of October 2014			Total Adjusted Production (Historical Adjusted plus Future)								
Field	Location Miles	Location Direction	Oil (B)	Water (B)	Gas (MCF)	Oil[1] (MMRB)	Water[2] (MMRB)	Gas[3] (MMRB)	Total[4] (MMRB)	Total (CU FT)	Direction Angle from East (degrees)	Vector Length[5] (FT)	Vector East Length (FT, X)	Vector North Length (FT, Y)
Atkinson Island	10.2	SE	1,941,721	9,034,589	9,685,126	2.135893	9.034589	9.685126	25.026730					
Cedar Point, Cedar Point S	11.6	SE	858,424	2,445,468	5,304,063	0.944268	2.445468	5.304063	10.432556					
Eagle Bay	19.8	SE	10,314	15,263	250,987	0.011345	0.015263	0.250987	0.333114					
Pearce Lake	14.6	SE	7,967	553	2,514	0.008764	0.007967	0.002514	0.023094					
Perry Landing	19.5	SE	120,830	37,291	31,146,511	0.132913	0.120830	31.146511	37.680305					
Redfish Reef Redfish Reef N, E, NW, SW, W	18.8	SE	39,187,144	27,229,274	749,119,206	43.105858	39.187144	749.119206	997.694650					
Seabrook, Seabrook E.	12.9	SE	2,835,861	2,570,704	47,577,359	3.119447	2.835861	47.577359	64.239200					
Ship Channel, Ship Channel S	14.4	SE	473,032	919,128	13,035,975	0.520335	0.919128	13.035975	17.370526					
Triune	14.1	SE	357,993	138,712	379,791	0.393792	0.357993	0.379791	1.357891					
Umbrella Point Umbrella Point N, NE, SE, W	17.3	SE	20,205,470	66,329,678	249,501,042	22.226017	66.329678	249.501042	405.668084					
Vinceburg	15.3	SE	484,318	114,974	10,070,489	0.532750	0.484318	10.070489	13.305068					
Total		SE							1,573.131218	8,833,131,789	-45.0	919.20	649.97	-649.97
Fishers Reef, Fishers Reef N, NE, NW, S	17.6	ESE	21,219,744	46,259,702	286,223,237	23.341718	46.259702	286.223237	426.989588					
Perelandra	18.2	ESE	142,369	990,242	4,791,825	0.156606	0.990242	4.791825	7.126408					
Tri-City Beach	13.5	ESE	5,266	361	170,495	0.005815	0.005286	0.170495	0.217915					
Total		ESE							434.333911	2,438,784,910	-22.5	253.79	234.47	-97.12
Resultant Vector Length, feet, and Direction											S 2.8°W	5644.76	-285.62	-5637.53
Channel Volume, cu ft											54,243,900,000			
Channel Volume, MMRB											9,660.53			

M = Barrels; MCF = Thousand Cubic Feet; MMRB = One Million Reservoir Barrels

[1] Actual oil production was multiplied by a factor of 1.1 to obtain equivalent barrels.

[2] Reservoir volume of produced water is the larger of the reported value or the volume of produced oil.

[3] Actual gas production, in thousands of cubic feet, was multiplied by a factor of 1.0 to obtain equivalent reservoir barrels.

[4] Total production was multiplied by a factor of 1.2 to estimate probable future production.

[5] Vector Length = Total Adjusted Production (CU FT) / (Porosity x Height x Width)
Porosity = 0.26 Height = 350 feet Width = 20 miles = 105,600 feet

TABLE 3.7.3-II

FIELDS WITHIN 20 MILES WITH NO PRODUCTION FROM THE FRIO FORMATION

Field	Location Relative to Injection Site	
	Miles	Direction
ALCO-MAG, ALCO-MAG W	12.0	NW
Bay Road	12.0	ESE
Bayview	15.9	E
Beach City	11.0	ESE
Canadian Hunter	3.8	NNW
Channelview	2.0	N
Crosby	15.0	N
De Zavala	4.0	N
Deusson Estate	12.0	NW
Dyersdale, Dyersdale N	15.0	NW
Esperson Dome	15.0	NNE
Goose Creek, Goose Creek E	11.0	ESE
H H H	14.0	NW
Hematite Sand	13.0	ESE
Kirby	14.0	NNE
Olcott	11.1	SSW
Pierce Junction	17.8	W
Rankin, Rankin S	15.0	N
Renee	2.6	W
Sralla Road	6.0	N
Sword	7.0	NW
Ulrich	10.0	NE
Yellow Rose	3.0	W

TABLE 3.7.4.1-I

OBSERVED DISPERSIVITIES FOR MIGRATION DISTANCES GREATER THAN 10,000 FEET

Migration Distance (feet)	Observed Dispersivity (feet)	Medium	Reference
11,551	20	Porous	Pickens and Grisak, 1981
12,438	1411	Porous	Pickens and Grisak, 1981
16,118	294	Porous	Lallemand-Barres and Peaduecerf, 1978
32,566	197	Porous	Gelhar et al., 1985
40,666	94	Porous	Gelhar et al., 1985
45,443	94	Porous	Gelhar et al., 1985
56,745	94	Porous	Gelhar et al., 1985
65,802	94	Porous	Gelhar et al., 1985
65,802	294	Porous	Gelhar et al., 1985
70,858	2778	Porous	Gelhar et al., 1985
102,603	67	Fractured	Gelhar et al., 1985
143,171	294	Porous	Gelhar et al., 1985
159,988	438	Porous	Gelhar et al., 1985
Mean dispersivity for porous media	509		

TABLE 3.7.6-I

CLASS II INJECTION WELLS (SWDs) NEAR THE DEER PARK INJECTION SITE

Control No.	Well Name	Total Depth (feet KB)	Injection Zone Penetrated	Perforated Injection Interval Depth (feet)		Date Well Completed As or Converted To SWD	Equivalent Injection Interval Sand
110	Etoco Incorporated Sam Houston Unit Well No. 4 API 42-201-32625	11,960	Yes	6948 7300	7350	1/9/2002	Lower Frio Injection Interval ACTIVE
127	Thorp Petroleum Corporation (was Cobra Operating Co.) Texas Northern Railway No. 6 API 42-201-32571	8,200 TVD	Yes	7035 TVD	7181 TVD	10/30/1999	Lower Frio Injection Interval PLUGGED 2/22/2013
139	Etoco Incorporated Destec No. 2D API 42-201-32701	7,200	Yes	6820	6874	1/11/2005	Lower Frio Injection Interval ACTIVE
166	Etoco Incorporated Jackson-Peace No. 1D API 42-201-32568	8770	Yes	7250	7292	3/9/2005	Lower Frio Injection Interval ACTIVE

TVD means true vertical depth in a directional well.

TABLE 3.7.6-II
Injection Rates for Saltwater Disposal Wells

	ID No. 110		ID No. 127		ID No. 139	
Date	(bbl/mo)	(gpm)	(bbl/mo)	(gpm)	(bbl/mo)	(gpm)
10/31/1999	-	-	-	-	-	-
11/30/1999	-	-	12600	12.25	-	-
12/31/1999	-	-	13330	12.54	-	-
1/31/2000	-	-	14725	13.85	-	-
2/29/2000	-	-	14384	14.47	-	-
3/31/2000	-	-	15118	14.22	-	-
4/30/2000	-	-	17424	16.94	-	-
5/31/2000	-	-	18716	17.61	-	-
6/30/2000	-	-	18388	17.88	-	-
7/31/2000	-	-	18986	17.86	-	-
8/31/2000	-	-	21035	19.79	-	-
9/30/2000	-	-	18918	18.39	-	-
10/31/2000	-	-	21675	20.39	-	-
11/30/2000	-	-	20589	20.02	-	-
12/31/2000	-	-	21779	20.49	-	-
1/31/2001	-	-	17407	16.38	-	-
2/28/2001	-	-	13054	13.60	-	-
3/31/2001	-	-	20457	19.25	-	-
4/30/2001	-	-	21096	20.51	-	-
5/31/2001	-	-	22162	20.85	-	-
6/30/2001	-	-	20248	19.69	-	-
7/31/2001	-	-	27773	26.13	-	-
8/31/2001	-	-	2325	2.19	-	-
9/30/2001	-	-	3150	3.06	-	-
10/31/2001	-	-	34100	32.08	-	-
11/30/2001	-	-	30000	29.17	-	-
12/31/2001	-	-	37200	35.00	-	-
1/31/2002	-	-	37200	35.00	-	-
2/28/2002	-	-	35000	36.46	-	-
3/31/2002	21435	20.17	38750	36.46	-	-
4/30/2002	23885	23.22	39000	37.92	-	-
5/31/2002	25616	24.10	34100	32.08	-	-
6/30/2002	25289	24.59	36000	35.00	-	-
7/31/2002	23309	21.93	38750	36.46	-	-
8/31/2002	18606	17.51	40300	37.92	-	-
9/30/2002	27117	26.36	36000	35.00	-	-
10/31/2002	27761	26.12	1222	1.15	-	-
11/30/2002	27846	27.07	1190	1.16	-	-
12/31/2002	28029	26.37	1099	1.03	-	-
1/31/2003	28454	26.77	1180	1.11	-	-
2/28/2003	39275	40.91	2515	2.62	-	-
3/31/2003	49136	46.23	809	0.76	-	-
4/30/2003	48045	46.71	1412	1.37	-	-
5/31/2003	46154	43.42	1543	1.45	-	-

TABLE 3.7.6-II
Injection Rates for Saltwater Disposal Wells

	ID No. 110		ID No. 127		ID No. 139	
Date	(bbl/mo)	(gpm)	(bbl/mo)	(gpm)	(bbl/mo)	(gpm)
6/30/2003	43471	42.26	1325	1.29	-	-
7/31/2003	54970	51.72	1194	1.12	-	-
8/31/2003	60318	56.75	1517	1.43	-	-
9/30/2003	59484	57.83	1416	1.38	-	-
10/31/2003	62798	59.08	2391	2.25	-	-
11/30/2003	57636	56.04	2638	2.56	-	-
12/31/2003	45432	42.75	2287	2.15	-	-
1/31/2004	53360	50.20	867	0.82	-	-
2/29/2004	62968	63.33	2239	2.25	-	-
3/31/2004	65059	61.21	2016	1.90	-	-
4/30/2004	68342	66.44	1805	1.75	-	-
5/31/2004	68823	64.75	2411	2.27	-	-
6/30/2004	69255	67.33	1386	1.35	-	-
7/31/2004	73878	69.51	1788	1.68	-	-
8/31/2004	77731	73.13	1905	1.79	-	-
9/30/2004	59426	57.78	1730	1.68	-	-
10/31/2004	66177	62.26	1780	1.67	-	-
11/30/2004	57508	55.91	1910	1.86	-	-
12/31/2004	59260	55.76	1790	1.68	-	-
1/31/2005	58	0.05	1520	1.43	-	-
2/28/2005	43	0.04	1680	1.75	18	0.02
3/31/2005	49	0.05	1590	1.50	15249	14.35
4/30/2005	25	0.02	1410	1.37	17531	17.04
5/31/2005	22	0.02	1400	1.32	18	0.02
6/30/2005	30	0.03	1530	1.49	18	0.02
7/31/2005	23786	22.38	1710	1.61	19947	18.77
8/31/2005	28541	26.85	1805	1.70	20367	19.16
9/30/2005	18382	17.87	1830	1.78	11921	11.59
10/31/2005	12803	12.05	281	0.26	29866	28.10
11/30/2005	18918	18.39	662	0.64	21454	20.86
12/31/2005	21024	19.78	860	0.81	22576	21.24
1/31/2006	18427	17.34	1145	1.08	25444	23.94
2/28/2006	16573	17.26	838	0.87	22738	23.69
3/31/2006	20101	18.91	1042	0.98	22075	20.77
4/30/2006	18936	18.41	1047	1.02	23651	22.99
5/31/2006	11001	10.35	949	0.89	31357	29.50
6/30/2006	1160	1.13	708	0.69	34759	33.79
7/31/2006	1110	1.04	718	0.68	33854	31.85
8/31/2006	272	0.26	544	0.51	33510	31.53
9/30/2006	-	-	297	0.29	27367	26.61
10/31/2006	-	-	-	-	18112	17.04
11/30/2006	-	-	-	-	23985	23.32
12/31/2006	-	-	-	-	26754	25.17

TABLE 3.7.6-II
Injection Rates for Saltwater Disposal Wells

	ID No. 110		ID No. 127		ID No. 139	
Date	(bbl/mo)	(gpm)	(bbl/mo)	(gpm)	(bbl/mo)	(gpm)
Max Permitted Monthly Volume/Rates	10000	291.67	1000	29.17	2000	58.33

TABLE 5.0-I

Locations of Injection Wells Used in Pressure and Plume Models (2007 Submittal)

Well	State of Texas Plane Coordinate System		Pressure Models				Plume Models															
							Lower Frio								Upper Frio							
			Well Location in Model		Image Well Location in Model		Low-Density Injectate				High-Density Injectate				Low-Density Injectate				High-Density Injectate			
							SWIFT Grid Block		Distance from Lower Left Corner of SWIFT Grid		SWIFT Grid Block		Distance from Lower Left Corner of SWIFT Grid		SWIFT Grid Block		Distance from Lower Left Corner of SWIFT Grid		SWIFT Grid Block		Distance from Lower Left Corner of SWIFT Grid	
	X (feet)	Y (feet)	X (feet)	Y (feet)	X (feet)	Y (feet)	I	J	X (feet)	Y (feet)	I	J	X (feet)	Y (feet)	I	J	X (feet)	Y (feet)	I	J	X (feet)	Y (feet)
WDW-157	3239402.1	714183.9	0.0	0.0	-2052.1	5638.2	81	78	24227.3	23121.6	80	84	23800.1	25120.1	81	78	24232.0	23122.0	80	84	23889.1	25147.8
WDW-169	3240210.4	712286.3	808.3	-1897.6	-2652.7	7611.4	81	84	24072.7	25178.4	82	78	24499.9	23179.9	81	84	24068.0	25178.0	82	78	24410.9	23152.2
WDW-249	3240210.4	712009.3	808.3	-2174.7	-2830.8	7823.6	81	85	24161.8	25440.7	82	77	24484.3	22903.2	81	85	24156.0	25440.8	82	77	24370.3	22878.1
WDW-407	3239479.7	714433.8	77.6	249.9	-1832.0	5496.7	81	77	24073.4	22910.0	80	85	23891.7	25365.2	81	77	24079.1	22909.7	81	85	24002.5	25383.6
WDW-222	3239248.1	706069.9	-154.0	-8114.1	-7385.7	11754.9	90	103	26984.2	30754.5	78	57	23188.0	17027.7	90	103	26954.1	30767.4	76	58	22548.6	17143.7
WDW-223	3239834.6	705901.9	432.5	-8282.1	-7044.4	12260.6	89	104	26483.0	31102.3	80	57	23764.0	16826.8	89	104	26451.3	31112.9	78	57	23104.1	16891.6
WDW-172	3229846.4	705647.4	-9555.7	-8536.5	-14859.4	6035.2	121	94	36021.7	28129.1	46	58	13777.4	17137.1	121	94	36003.5	28183.1	44	61	13186.4	18102.6
WDW-173	3231788.4	704487.4	-7613.7	-9696.5	-14117.4	8172.2	116	100	34556.3	29852.4	53	53	15650.7	15869.2	116	100	34530.3	29899.6	50	56	14937.6	16670.7
MapID #110	3225773.8	717057.8	-13628.3	2873.9	N/A	N/A	121	54	36205.9	16015.1	35	96	10356.0	28759.4	121	54	36242.8	16070.0	37	100	10828.7	29986.4
MapID #127	3237162.8	731600.8	-2239.3	17416.9	N/A	N/A	70	20	20742.9	5910.5	76	143	22548.4	42635.7	70	20	20825.8	5895.2	81	143	24224.6	42704.8
MapID #139	3225414.9	713243.2	-13987.2	-940.8	N/A	N/A	126	66	37773.3	19511.4	33	84	9782.1	24971.1	126	66	37794.2	19573.4	34	88	9915.0	26265.4

TABLE 5.0-II

Locations of Injection Wells Used in Additional Pressure Modeling (2015 Submittal)

Well	State of Texas Plane Coordinate System		Actual Well Location		Designation of Fault(s) *		Location of Image Well Opposite Fault to NW of Actual Well		Location of Image Well Opposite Fault to SE of Actual Well	
	X (feet)	Y (feet)	X (feet)	Y (feet)	to NW	to SE	X (feet)	Y (feet)	X (feet)	Y (feet)
WDW-157	3239402	714184	3239402	714184	C	D	3237996.83	720141.34	3251046.92	678263.41
WDW-407	3239480	714434	3239480	714434	C	D	3238178.33	719952.55	3251256.76	678106.73
WDW-169	3240210	712286	3240210	712286	C	D	3237871.48	722200.36	3250587.66	680274.47
WDW-249	3240210	712009	3240210	712009	C	D	3237747.69	722448.16	3250425.14	680498.78
WDW-422	3240151	711610	3240151	711610	C	D	3237516.61	722778.74	3250143.27	680787.28
WDW-172	3229846	705647	3229846	705647	C	D	3224613.49	712019.27	3238299.76	679570.06
WDW-173	3231788	704487	3231788	704487	C	D	3223853.47	714149.85	3239191.80	681648.81
WDW-222	3239248	706070	3239248	706070	C	D	3224449.08	720528.71	3246161.65	684743.76
WDW-223	3239835	705902	3239835	705902	C	D	3224267.48	721111.65	3246538.44	685224.20
WDW-036	3227556	756614	3227556	756614	–	A	–	–	3238482.53	704761.49
WDW-147	3212760	720080	3212760	720080	–	A	–	–	3217597.53	714586.86
WDW-148	3234916	741494	3234916	741494	–	A	–	–	3239115.34	721565.76
WDW-162	3234067	741686	3234067	741686	–	A	–	–	3238416.02	721047.49
WDW-319	3212518	720025	3212518	720025	–	A	–	–	3217512.38	714353.75
WDW-397	3209638	713526	3209638	713526	–	A	–	–	3211165.55	712020.88
WDW-398	3205893	712030	3205893	712030	–	A	–	–	3209725.10	708254.17
MapID #110	3225774	717058	3225774	717058	B	C	3223944.40	718529.99	3235747.42	707313.86
MapID #127	3237163	731601	3237163	731601	A	B	3236957.23	732577.49	3239761.75	719268.47
MapID #139	3225415	713243	3225415	713243	B	C	3220294.74	717362.48	3231202.28	706195.12
MapID #166	3241830	741139	3241830	741139	–	A	–	–	3245298.18	724680.57

* See Figure 5.0-1 for fault designation

Table 5.1.2-I

WDW-157 Rates Used for Modeling

	Start Date	End Date	Volume gallons	Rate gpm	Comment
1	09/30/80 23:59:59	10/31/80 23:59:59	0	0.0000	
2	10/31/80 23:59:59	11/30/80 23:59:59	751,680	17.4000	
3	11/30/80 23:59:59	12/31/80 23:59:59	0	0.0000	
4	12/31/80 23:59:59	01/31/81 23:59:59	1,526,688	34.2000	
5	01/31/81 23:59:59	02/28/81 23:59:59	1,624,090	40.2800	
6	02/28/81 23:59:59	03/31/81 23:59:59	3,673,872	82.3000	
7	03/31/81 23:59:59	04/30/81 23:59:59	2,030,400	47.0000	
8	04/30/81 23:59:59	05/31/81 23:59:59	1,490,976	33.4000	
9	05/31/81 23:59:59	06/30/81 23:59:59	4,920,480	113.9000	
10	06/30/81 23:59:59	07/31/81 23:59:59	6,450,480	144.5000	
11	07/31/81 23:59:59	08/31/81 23:59:59	5,678,208	127.2000	
12	08/31/81 23:59:59	09/30/81 23:59:59	5,309,280	122.9000	
13	09/30/81 23:59:59	10/31/81 23:59:59	5,526,432	123.8000	
14	10/31/81 23:59:59	11/30/81 23:59:59	5,304,960	122.8000	
15	11/30/81 23:59:59	12/31/81 23:59:59	4,772,016	106.9000	
16	12/31/81 23:59:59	01/31/82 23:59:59	5,289,840	118.5000	
17	01/31/82 23:59:59	02/28/82 23:59:59	6,027,840	149.5000	
18	02/28/82 23:59:59	03/31/82 23:59:59	2,499,840	56.0000	
19	03/31/82 23:59:59	04/30/82 23:59:59	3,996,000	92.5000	
20	04/30/82 23:59:59	05/31/82 23:59:59	5,213,952	116.8000	
21	05/31/82 23:59:59	06/30/82 23:59:59	5,283,360	122.3000	
22	06/30/82 23:59:59	07/31/82 23:59:59	2,490,912	55.8000	
23	07/31/82 23:59:59	08/31/82 23:59:59	2,388,240	53.5000	
24	08/31/82 23:59:59	09/30/82 23:59:59	2,134,080	49.4000	
25	09/30/82 23:59:59	10/31/82 23:59:59	1,999,872	44.8000	
26	10/31/82 23:59:59	11/30/82 23:59:59	2,708,640	62.7000	
27	11/30/82 23:59:59	12/31/82 23:59:59	2,303,424	51.6000	
28	12/31/82 23:59:59	01/31/83 23:59:59	2,044,512	45.8000	
29	01/31/83 23:59:59	02/28/83 23:59:59	2,286,144	56.7000	
30	02/28/83 23:59:59	03/31/83 23:59:59	2,258,784	50.6000	
31	03/31/83 23:59:59	04/30/83 23:59:59	2,462,400	57.0000	
32	04/30/83 23:59:59	05/31/83 23:59:59	4,888,080	109.5000	
33	05/31/83 23:59:59	06/30/83 23:59:59	4,890,240	113.2000	
34	06/30/83 23:59:59	07/31/83 23:59:59	3,289,968	73.7000	
35	07/31/83 23:59:59	08/31/83 23:59:59	5,080,032	113.8000	
36	08/31/83 23:59:59	09/30/83 23:59:59	2,998,080	69.4000	
37	09/30/83 23:59:59	10/31/83 23:59:59	4,316,688	96.7000	
38	10/31/83 23:59:59	11/30/83 23:59:59	4,337,280	100.4000	
39	11/30/83 23:59:59	12/31/83 23:59:59	2,660,544	59.6000	
40	12/31/83 23:59:59	01/31/84 23:59:59	3,758,688	84.2000	
41	01/31/84 23:59:59	02/29/84 23:59:59	2,493,072	59.7000	
42	02/29/84 23:59:59	03/31/84 23:59:59	3,151,584	70.6000	
43	03/31/84 23:59:59	04/30/84 23:59:59	3,270,240	75.7000	
44	04/30/84 23:59:59	05/31/84 23:59:59	2,798,928	62.7000	
45	05/31/84 23:59:59	06/30/84 23:59:59	2,833,920	65.6000	
46	06/30/84 23:59:59	07/31/84 23:59:59	1,691,856	37.9000	
47	07/31/84 23:59:59	08/31/84 23:59:59	2,678,400	60.0000	

Table 5.1.2-I, WDW-157 Rates Used for Modeling, continued

	Start Date	End Date	Volume gallons	Rate gpm	Comment
48	08/31/84 23:59:59	09/30/84 23:59:59	2,700,000	62.5000	
49	09/30/84 23:59:59	10/31/84 23:59:59	2,316,816	51.9000	
50	10/31/84 23:59:59	11/30/84 23:59:59	3,114,720	72.1000	
51	11/30/84 23:59:59	12/31/84 23:59:59	2,513,232	56.3000	
52	12/31/84 23:59:59	01/31/85 23:59:59	2,223,072	49.8000	
53	01/31/85 23:59:59	02/28/85 23:59:59	2,608,704	64.7000	
54	02/28/85 23:59:59	03/31/85 23:59:59	3,263,184	73.1000	
55	03/31/85 23:59:59	04/30/85 23:59:59	2,700,000	62.5000	
56	04/30/85 23:59:59	05/31/85 23:59:59	2,410,560	54.0000	
57	05/31/85 23:59:59	06/30/85 23:59:59	4,138,560	95.8000	
58	06/30/85 23:59:59	07/31/85 23:59:59	3,339,072	74.8000	
59	07/31/85 23:59:59	08/31/85 23:59:59	3,334,608	74.7000	
60	08/31/85 23:59:59	09/30/85 23:59:59	1,257,120	29.1000	
61	09/30/85 23:59:59	10/31/85 23:59:59	2,339,136	52.4000	
62	10/31/85 23:59:59	11/30/85 23:59:59	3,719,520	86.1000	
63	11/30/85 23:59:59	12/31/85 23:59:59	2,348,064	52.6000	
64	12/31/85 23:59:59	01/31/86 23:59:59	1,111,536	24.9000	
65	01/31/86 23:59:59	02/28/86 23:59:59	4,177,152	103.6000	
66	02/28/86 23:59:59	03/31/86 23:59:59	3,633,696	81.4000	
67	03/31/86 23:59:59	04/30/86 23:59:59	3,067,200	71.0000	
68	04/30/86 23:59:59	05/31/86 23:59:59	3,374,784	75.6000	
69	05/31/86 23:59:59	06/30/86 23:59:59	4,376,160	101.3000	
70	06/30/86 23:59:59	07/31/86 23:59:59	2,133,792	47.8000	
71	07/31/86 23:59:59	08/31/86 23:59:59	2,531,088	56.7000	
72	08/31/86 23:59:59	09/30/86 23:59:59	2,475,360	57.3000	
73	09/30/86 23:59:59	10/31/86 23:59:59	2,544,480	57.0000	
74	10/31/86 23:59:59	11/30/86 23:59:59	2,825,280	65.4000	
75	11/30/86 23:59:59	12/31/86 23:59:59	1,870,416	41.9000	
76	12/31/86 23:59:59	01/31/87 23:59:59	3,126,240	70.0323	
77	01/31/87 23:59:59	02/28/87 23:59:59	2,253,240	55.8839	
78	02/28/87 23:59:59	03/31/87 23:59:59	2,806,379	62.8669	
79	03/31/87 23:59:59	04/30/87 23:59:59	3,632,290	84.0808	
80	04/30/87 23:59:59	05/31/87 23:59:59	3,634,980	81.4288	
81	05/31/87 23:59:59	06/30/87 23:59:59	3,564,060	82.5014	
82	06/30/87 23:59:59	07/31/87 23:59:59	2,645,280	59.2581	
83	07/31/87 23:59:59	08/31/87 23:59:59	5,005,400	112.1281	
84	08/31/87 23:59:59	09/30/87 23:59:59	2,309,380	53.4579	
85	09/30/87 23:59:59	10/31/87 23:59:59	2,418,120	54.1694	
86	10/31/87 23:59:59	11/30/87 23:59:59	3,333,480	77.1639	
87	11/30/87 23:59:59	12/31/87 23:59:59	3,011,700	67.4664	
88	12/31/87 23:59:59	01/31/88 23:59:59	3,253,980	72.8938	
89	01/31/88 23:59:59	02/02/88 18:17:00	0	0.0000	WDW-157 88 Test
90	02/02/88 18:17:00	02/03/88 18:17:00	72,000	50.0000	WDW-157 88 Test BU
91	02/03/88 18:17:00	02/04/88 14:01:41	0	0.0000	WDW-157 88 Test FO
92	02/04/88 14:01:41	02/29/88 23:59:59	2,921,040	79.8135	
93	02/29/88 23:59:59	03/31/88 23:59:59	4,646,520	104.0887	
94	03/31/88 23:59:59	04/30/88 23:59:59	2,902,500	67.1875	

Table 5.1.2-I, WDW-157 Rates Used for Modeling, continued

	Start Date	End Date	Volume gallons	Rate gpm	Comment
95	04/30/88 23:59:59	05/31/88 23:59:59	3,147,120	70.5000	
96	05/31/88 23:59:59	06/30/88 23:59:59	4,162,740	96.3597	
97	06/30/88 23:59:59	07/31/88 23:59:59	3,974,880	89.0430	
98	07/31/88 23:59:59	08/31/88 23:59:59	3,064,380	68.6465	
99	08/31/88 23:59:59	09/30/88 23:59:59	4,181,590	96.7961	
100	09/30/88 23:59:59	10/31/88 23:59:59	4,306,334	96.4681	
101	10/31/88 23:59:59	11/30/88 23:59:59	2,029,691	46.9836	
102	11/30/88 23:59:59	12/31/88 23:59:59	5,376,743	120.4468	
103	12/31/88 23:59:59	01/31/89 23:59:59	6,607,394	148.0151	
104	01/31/89 23:59:59	02/28/89 23:59:59	3,718,596	92.2271	
105	02/28/89 23:59:59	03/14/89 15:18:19	1,647,825	83.9086	
106	03/14/89 15:18:19	03/16/89 15:18:19	0	0.0000	WDW-157 89 Test
107	03/16/89 15:18:19	03/16/89 18:57:58	19,110	87.0000	WDW-157 89 Test BU
108	03/16/89 18:57:58	03/16/89 19:50:42	0	0.0000	WDW-157 89 Test FO
109	03/16/89 19:50:42	03/31/89 23:59:59	1,833,343	83.9086	
110	03/31/89 23:59:59	04/30/89 23:59:59	4,061,425	94.0145	
111	04/30/89 23:59:59	05/31/89 23:59:59	5,388,890	120.7189	
112	05/31/89 23:59:59	06/30/89 23:59:59	4,402,001	101.8982	
113	06/30/89 23:59:59	07/31/89 23:59:59	5,119,048	114.6740	
114	07/31/89 23:59:59	08/31/89 23:59:59	4,092,992	91.6889	
115	08/31/89 23:59:59	09/30/89 23:59:59	3,103,248	71.8344	
116	09/30/89 23:59:59	10/31/89 23:59:59	4,190,255	93.8677	
117	10/31/89 23:59:59	11/30/89 23:59:59	2,813,991	65.1387	
118	11/30/89 23:59:59	12/31/89 23:59:59	3,206,239	71.8244	
119	12/31/89 23:59:59	01/31/90 23:59:59	3,792,679	84.9614	
120	01/31/90 23:59:59	02/28/90 23:59:59	3,916,538	97.1364	
121	02/28/90 23:59:59	03/31/90 23:59:59	4,706,808	105.4392	
122	03/31/90 23:59:59	04/30/90 23:59:59	3,663,444	84.8019	
123	04/30/90 23:59:59	05/31/90 23:59:59	5,100,594	114.2606	
124	05/31/90 23:59:59	06/29/90 16:14:00	4,511,492	109.2529	
125	06/29/90 16:14:00	06/29/90 21:44:37	28,102	84.9987	WDW-157 90 Test BU Brine
126	06/29/90 21:44:37	06/30/90 09:34:37	0	0.0000	WDW-157 90 Test FO
127	06/30/90 09:34:37	06/30/90 23:59:59	94,544	109.2531	
128	06/30/90 23:59:59	07/31/90 23:59:59	4,782,699	107.1393	
129	07/31/90 23:59:59	08/31/90 23:59:59	5,024,494	112.5559	
130	08/31/90 23:59:59	09/30/90 23:59:59	3,897,480	90.2194	
131	09/30/90 23:59:59	10/31/90 23:59:59	5,405,522	121.0914	
132	10/31/90 23:59:59	11/30/90 23:59:59	5,710,925	132.1973	
133	11/30/90 23:59:59	12/31/90 23:59:59	5,483,421	122.8365	
134	12/31/90 23:59:59	01/31/91 23:59:59	6,137,348	137.4854	
135	01/31/91 23:59:59	02/28/91 23:59:59	4,555,900	112.9936	
136	02/28/91 23:59:59	03/31/91 23:59:59	6,905,906	154.7022	
137	03/31/91 23:59:59	04/30/91 23:59:59	5,900,512	136.5859	
138	04/30/91 23:59:59	05/31/91 23:59:59	6,115,454	136.9949	
139	05/31/91 23:59:59	06/30/91 23:59:59	3,809,104	88.1737	
140	06/30/91 23:59:59	07/03/91 09:04:55	286,802	83.7394	
141	07/03/91 09:04:55	07/04/91 09:04:55	0	0.0000	WDW-157 91 Test

Table 5.1.2-I, WDW-157 Rates Used for Modeling, continued

	Start Date	End Date	Volume gallons	Rate gpm	Comment
142	07/04/91 09:04:55	07/04/91 10:15:00	8,830	125.9929	WDW-157 91 Test RAT
143	07/04/91 10:15:00	07/04/91 11:02:00	2,961	63.0000	WDW-157 91 Test RAT
144	07/04/91 11:02:00	07/04/91 11:20:00	756	42.0000	WDW-157 91 Test RAT
145	07/04/91 11:20:00	07/04/91 11:42:00	693	31.5000	WDW-157 91 Test RAT
146	07/04/91 11:42:00	07/04/91 15:30:15	28,760	126.0022	WDW-157 91 Test BU Brine
147	07/04/91 15:30:15	07/05/91 06:16:00	0	0.0000	WDW-157 91 Test FO
148	07/05/91 06:16:00	07/31/91 23:59:59	3,221,198	83.6588	
149	07/31/91 23:59:59	08/31/91 23:59:59	4,023,520	90.1326	
150	08/31/91 23:59:59	09/30/91 23:59:59	3,835,035	88.7740	
151	09/30/91 23:59:59	10/31/91 23:59:59	3,818,111	85.5312	
152	10/31/91 23:59:59	11/30/91 23:59:59	3,405,207	78.8242	
153	11/30/91 23:59:59	12/31/91 23:59:59	4,088,332	91.5845	
154	12/31/91 23:59:59	01/31/92 23:59:59	4,739,956	106.1818	
155	01/31/92 23:59:59	02/29/92 23:59:59	3,747,074	89.7288	
156	02/29/92 23:59:59	03/31/92 23:59:59	3,717,932	83.2870	
157	03/31/92 23:59:59	04/30/92 23:59:59	4,578,289	105.9789	
158	04/30/92 23:59:59	05/31/92 23:59:59	3,152,836	70.6280	
159	05/31/92 23:59:59	06/20/92 08:00:00	3,500,328	125.7301	
160	06/20/92 08:00:00	06/21/92 10:00:00	0	0.0000	WDW-157 92 Test Stab
161	06/21/92 10:00:00	06/23/92 08:42:00	378,270	135.0000	WDW-157 92 Test BU Waste
162	06/23/92 08:42:00	06/23/92 09:10:00	0	0.0000	WDW-157 92 Test
163	06/23/92 09:10:00	06/23/92 11:44:00	19,404	126.0000	WDW-157 92 Test BU Brine
164	06/23/92 11:44:00	06/25/92 06:00:00	0	0.0000	WDW-157 92 Test FO
165	06/25/92 06:00:00	06/30/92 23:59:59	1,041,043	125.7301	
166	06/30/92 23:59:59	07/31/92 23:59:59	3,633,263	81.3903	
167	07/31/92 23:59:59	08/31/92 23:59:59	4,747,908	106.3599	
168	08/31/92 23:59:59	09/30/92 23:59:59	4,763,528	110.2669	
169	09/30/92 23:59:59	10/31/92 23:59:59	4,375,070	98.0078	
170	10/31/92 23:59:59	11/30/92 23:59:59	2,450,220	56.7181	
171	11/30/92 23:59:59	12/31/92 23:59:59	4,853,788	108.7318	
172	12/31/92 23:59:59	01/31/93 23:59:59	4,153,452	93.0433	
173	01/31/93 23:59:59	02/28/93 23:59:59	3,511,603	87.0933	
174	02/28/93 23:59:59	03/31/93 23:59:59	4,658,441	104.3558	
175	03/31/93 23:59:59	04/30/93 23:59:59	4,134,816	95.7133	
176	04/30/93 23:59:59	05/31/93 23:59:59	4,416,972	98.9465	
177	05/31/93 23:59:59	06/30/93 23:59:59	5,380,949	124.5590	
178	06/30/93 23:59:59	07/31/93 23:59:59	4,106,865	91.9997	
179	07/31/93 23:59:59	08/27/93 12:25:00	3,303,027	86.5006	
180	08/27/93 12:25:00	08/27/93 18:25:00	0	0.0000	WDW-157 93 Test Stab
181	08/27/93 18:25:00	08/30/93 21:19:00	449,400	100.0000	WDW-157 93 Test BU
182	08/30/93 21:19:00	08/31/93 23:59:59	0	0.0000	WDW-157 93 Test FO
183	08/31/93 23:59:59	09/01/93 08:55:00	0	0.0000	WDW-157 93 Test FO
184	09/01/93 08:55:00	09/30/93 23:59:59	3,885,325	91.0659	
185	09/30/93 23:59:59	10/31/93 23:59:59	5,228,657	117.1294	
186	10/31/93 23:59:59	11/30/93 23:59:59	4,985,886	115.4140	
187	11/30/93 23:59:59	12/01/93 04:00:00	29,522	122.9998	WDW-169 93 Test
188	12/01/93 04:00:00	12/01/93 08:00:00	30,960	129.0000	WDW-169 93 Test

Table 5.1.2-I, WDW-157 Rates Used for Modeling, continued

	Start Date	End Date	Volume gallons	Rate gpm	Comment
189	12/01/93 08:00:00	12/01/93 16:00:00	59,040	123.0000	WDW-169 93 Test
190	12/01/93 16:00:00	12/01/93 20:00:00	28,080	117.0000	WDW-169 93 Test
191	12/01/93 20:00:00	12/02/93 04:00:00	59,040	123.0000	WDW-169 93 Test
192	12/02/93 04:00:00	12/02/93 08:00:00	30,960	129.0000	WDW-169 93 Test
193	12/02/93 08:00:00	12/02/93 12:00:00	28,800	120.0000	WDW-169 93 Test
194	12/02/93 12:00:00	12/02/93 16:00:00	29,520	123.0000	WDW-169 93 Test
195	12/02/93 16:00:00	12/02/93 20:00:00	30,480	127.0000	WDW-169 93 Test
196	12/02/93 20:00:00	12/03/93 00:00:00	28,080	117.0000	WDW-169 93 Test
197	12/03/93 00:00:00	12/03/93 04:00:00	28,800	120.0000	WDW-169 93 Test
198	12/03/93 04:00:00	12/03/93 08:00:00	27,360	114.0000	WDW-169 93 Test
199	12/03/93 08:00:00	12/03/93 12:00:00	30,960	129.0000	WDW-169 93 Test
200	12/03/93 12:00:00	12/03/93 16:00:00	30,480	127.0000	WDW-169 93 Test
201	12/03/93 16:00:00	12/03/93 20:00:00	0	0.0000	WDW-169 93 Test
202	12/03/93 20:00:00	12/04/93 00:00:00	30,480	127.0000	WDW-169 93 Test
203	12/04/93 00:00:00	12/04/93 08:00:00	59,040	123.0000	WDW-169 93 Test
204	12/04/93 08:00:00	12/04/93 12:00:00	28,800	120.0000	WDW-169 93 Test
205	12/04/93 12:00:00	12/04/93 16:00:00	28,080	117.0000	WDW-169 93 Test
206	12/04/93 16:00:00	12/31/93 23:59:59	4,050,931	102.9200	
207	12/31/93 23:59:59	01/31/94 23:59:59	4,091,181	91.6483	
208	01/31/94 23:59:59	02/28/94 23:59:59	3,920,539	97.2356	
209	02/28/94 23:59:59	03/31/94 23:59:59	5,515,357	123.5519	
210	03/31/94 23:59:59	04/06/94 15:19:00	1,095,812	134.9686	
211	04/06/94 15:19:00	04/06/94 19:19:00	37,200	155.0000	WDW-249 94 Test
212	04/06/94 19:19:00	04/07/94 07:19:00	118,800	165.0000	WDW-249 94 Test
213	04/07/94 07:19:00	04/07/94 10:29:00	30,400	160.0000	WDW-249 94 Test
214	04/07/94 10:29:00	04/07/94 11:49:00	0	0.0000	WDW-249 94 Test
215	04/07/94 11:49:00	04/07/94 15:19:00	33,600	160.0000	WDW-249 94 Test
216	04/07/94 15:19:00	04/07/94 19:19:00	43,200	180.0000	WDW-249 94 Test
217	04/07/94 19:19:00	04/07/94 23:19:00	38,400	160.0000	WDW-249 94 Test
218	04/07/94 23:19:00	04/08/94 03:19:00	43,200	180.0000	WDW-249 94 Test
219	04/08/94 03:19:00	04/08/94 07:19:00	39,600	165.0000	WDW-249 94 Test
220	04/08/94 07:19:00	04/08/94 19:19:00	115,200	160.0000	WDW-249 94 Test
221	04/08/94 19:19:00	04/08/94 23:19:00	37,200	155.0000	WDW-249 94 Test
222	04/08/94 23:19:00	04/09/94 07:19:00	76,800	160.0000	WDW-249 94 Test
223	04/09/94 07:19:00	04/09/94 11:19:00	37,200	155.0000	WDW-249 94 Test
224	04/09/94 11:19:00	04/30/94 23:59:59	4,184,159	134.9686	
225	04/30/94 23:59:59	05/31/94 23:59:59	4,799,516	107.5160	
226	05/31/94 23:59:59	06/30/94 23:59:59	5,866,295	135.7939	
227	06/30/94 23:59:59	07/31/94 23:59:59	5,154,620	115.4709	
228	07/31/94 23:59:59	08/31/94 23:59:59	5,229,589	117.1503	
229	08/31/94 23:59:59	09/09/94 08:50:00	1,617,041	134.1941	
230	09/09/94 08:50:00	09/09/94 11:20:00	0	0.0000	WDW-157 94 Test Stab
231	09/09/94 11:20:00	09/12/94 09:32:00	724,464	172.0000	WDW-157 94 Test BU
232	09/12/94 09:32:00	09/13/94 09:33:00	0	0.0000	WDW-157 94 Test FO
233	09/13/94 09:33:00	09/30/94 23:59:59	3,401,416	134.1941	
234	09/30/94 23:59:59	10/26/94 00:00:00	4,998,760	138.8544	
235	10/26/94 00:00:00	10/29/94 08:00:24	768,064	160.0000	WDW-169 94 Test

Table 5.1.2-I, WDW-157 Rates Used for Modeling, continued

	Start Date	End Date	Volume gallons	Rate gpm	Comment
236	10/29/94 08:00:24	10/31/94 23:59:59	533,143	138.8544	
237	10/31/94 23:59:59	11/30/94 23:59:59	5,262,095	121.8078	
238	11/30/94 23:59:59	12/31/94 23:59:59	3,567,341	79.9136	
239	12/31/94 23:59:59	01/31/95 23:59:59	4,912,553	110.0482	
240	01/31/95 23:59:59	02/28/95 23:59:59	4,878,634	120.9979	
241	02/28/95 23:59:59	03/31/95 23:59:59	6,242,268	139.8358	
242	03/31/95 23:59:59	04/30/95 23:59:59	5,453,750	126.2442	
243	04/30/95 23:59:59	05/31/95 23:59:59	4,543,170	101.7735	
244	05/31/95 23:59:59	06/30/95 23:59:59	5,776,043	133.7047	
245	06/30/95 23:59:59	07/31/95 23:59:59	4,705,755	105.4157	
246	07/31/95 23:59:59	08/12/95 10:10:00	1,812,630	110.1902	
247	08/12/95 10:10:00	08/12/95 13:40:00	0	0.0000	WDW-157 95 Test
248	08/12/95 13:40:00	08/12/95 16:10:00	18,900	126.0000	WDW-157 95 Test
249	08/12/95 16:10:00	08/12/95 18:40:00	0	0.0000	WDW-157 95 Test
250	08/12/95 18:40:00	08/14/95 10:10:00	327,060	138.0000	WDW-157 95 Test BU
251	08/14/95 10:10:00	08/15/95 09:35:00	0	0.0000	WDW-157 95 Test FO
252	08/15/95 09:35:00	08/31/95 23:59:59	2,634,094	110.1902	
253	08/31/95 23:59:59	09/30/95 23:59:59	3,371,067	78.0340	
254	09/30/95 23:59:59	10/16/95 20:00:00	2,359,727	103.4967	
255	10/16/95 20:00:00	10/18/95 02:58:00	0	0.0000	WDW-169 95 Test
256	10/18/95 02:58:00	10/18/95 03:08:00	540	54.0000	WDW-169 95 Test
257	10/18/95 03:08:00	10/18/95 03:18:00	2,160	216.0000	WDW-169 95 Test
258	10/18/95 03:18:00	10/18/95 03:25:00	945	135.0000	WDW-169 95 Test
259	10/18/95 03:25:00	10/18/95 03:40:00	1,687	112.4667	WDW-169 95 Test
260	10/18/95 03:40:00	10/18/95 03:50:00	1,050	105.0000	WDW-169 95 Test
261	10/18/95 03:50:00	10/18/95 11:00:00	50,310	117.0000	WDW-169 95 Test
262	10/18/95 11:00:00	10/18/95 18:00:00	50,400	120.0000	WDW-169 95 Test
263	10/18/95 18:00:00	10/18/95 23:00:00	36,900	123.0000	WDW-169 95 Test
264	10/18/95 23:00:00	10/19/95 03:00:00	30,240	126.0000	WDW-169 95 Test
265	10/19/95 03:00:00	10/19/95 05:00:00	15,480	129.0000	WDW-169 95 Test
266	10/19/95 05:00:00	10/19/95 06:15:00	9,375	125.0000	WDW-169 95 Test
267	10/19/95 06:15:00	10/19/95 10:00:00	27,000	120.0000	WDW-169 95 Test
268	10/19/95 10:00:00	10/20/95 03:35:00	123,435	117.0000	WDW-169 95 Test
269	10/20/95 03:35:00	10/21/95 04:00:00	180,195	123.0000	WDW-169 95 Test
270	10/21/95 04:00:00	10/21/95 11:00:00	50,400	120.0000	WDW-169 95 Test
271	10/21/95 11:00:00	10/21/95 20:00:00	63,180	117.0000	WDW-169 95 Test
272	10/21/95 20:00:00	10/22/95 00:00:00	31,680	132.0000	WDW-169 95 Test
273	10/22/95 00:00:00	10/31/95 23:59:59	1,490,351	103.4967	
274	10/31/95 23:59:59	11/30/95 23:59:59	4,787,041	110.8111	
275	11/30/95 23:59:59	12/31/95 23:59:59	5,226,739	117.0864	
276	12/31/95 23:59:59	01/31/96 23:59:59	4,836,977	108.3552	
277	01/31/96 23:59:59	02/29/96 23:59:59	4,750,931	113.7675	
278	02/29/96 23:59:59	03/31/96 23:59:59	5,739,832	128.5805	
279	03/31/96 23:59:59	04/30/96 23:59:59	4,497,668	104.1127	
280	04/30/96 23:59:59	05/31/96 23:59:59	5,596,883	125.3782	
281	05/31/96 23:59:59	06/30/96 23:59:59	4,544,128	105.1881	
282	06/30/96 23:59:59	07/31/96 23:59:59	4,085,070	91.5114	

Table 5.1.2-I, WDW-157 Rates Used for Modeling, continued

	Start Date	End Date	Volume gallons	Rate gpm	Comment
283	07/31/96 23:59:59	08/16/96 16:20:00	2,580,324	114.2747	
284	08/16/96 16:20:00	08/21/96 10:53:38	969,182	141.0000	WDW-157 96 Test BU
285	08/21/96 10:53:38	08/21/96 12:00:12	7,949	119.3997	WDW-157 96 Test BU
286	08/21/96 12:00:12	08/22/96 11:00:00	0	0.0000	WDW-157 96 Test FO
287	08/22/96 11:00:00	08/31/96 23:59:59	1,570,132	114.2747	
288	08/31/96 23:59:59	09/30/96 23:59:59	4,923,860	113.9782	
289	09/30/96 23:59:59	10/15/96 18:00:00	2,479,359	116.7306	
290	10/15/96 18:00:00	10/15/96 21:30:00	0	0.0000	WDW-169 96 Test
291	10/15/96 21:30:00	10/16/96 12:00:00	109,620	126.0000	WDW-169 96 Test
292	10/16/96 12:00:00	10/16/96 14:40:00	19,680	123.0000	WDW-169 96 Test
293	10/16/96 14:40:00	10/16/96 15:45:00	8,255	127.0000	WDW-169 96 Test
294	10/16/96 15:45:00	10/16/96 22:15:00	50,310	129.0000	WDW-169 96 Test
295	10/16/96 22:15:00	10/16/96 23:00:00	6,885	153.0000	WDW-169 96 Test
296	10/16/96 23:00:00	10/17/96 02:30:00	27,720	132.0000	WDW-169 96 Test
297	10/17/96 02:30:00	10/17/96 14:30:00	66,960	93.0000	WDW-169 96 Test
298	10/17/96 14:30:00	10/17/96 22:00:00	58,050	129.0000	WDW-169 96 Test
299	10/17/96 22:00:00	10/18/96 01:00:00	22,860	127.0000	WDW-169 96 Test
300	10/18/96 01:00:00	10/18/96 04:30:00	25,830	123.0000	WDW-169 96 Test
301	10/18/96 04:30:00	10/18/96 19:00:00	104,400	120.0000	WDW-169 96 Test
302	10/18/96 19:00:00	10/19/96 05:16:42	75,855	123.0001	WDW-169 96 Test
303	10/19/96 05:16:42	10/19/96 13:00:00	56,985	122.9999	WDW-169 96 Test
304	10/19/96 13:00:00	10/19/96 14:50:00	0	0.0000	WDW-169 96 Test
305	10/19/96 14:50:00	10/20/96 00:00:00	85,800	156.0000	WDW-169 96 Test
306	10/20/96 00:00:00	10/31/96 23:59:59	2,017,102	116.7306	
307	10/31/96 23:59:59	11/30/96 23:59:59	3,488,918	80.7620	
308	11/30/96 23:59:59	12/31/96 23:59:59	2,350,123	52.6461	
309	12/31/96 23:59:59	01/31/97 23:59:59	1,194,028	26.7479	
310	01/31/97 23:59:59	02/28/97 23:59:59	2,101,911	52.1307	
311	02/28/97 23:59:59	03/31/97 23:59:59	2,308,791	51.7202	
312	03/31/97 23:59:59	04/30/97 23:59:59	1,157,512	26.7943	
313	04/30/97 23:59:59	05/31/97 23:59:59	1,959,200	43.8889	
314	05/31/97 23:59:59	06/30/97 23:59:59	674,596	15.6156	
315	06/30/97 23:59:59	07/31/97 23:59:59	314,310	7.0410	
316	07/31/97 23:59:59	08/31/97 23:59:59	1,151,024	25.7846	
317	08/31/97 23:59:59	09/30/97 23:59:59	1,642,808	38.0280	
318	09/30/97 23:59:59	10/31/97 23:59:59	1,428,671	32.0043	
319	10/31/97 23:59:59	11/30/97 23:59:59	3,612,594	83.6249	
320	11/30/97 23:59:59	12/01/97 11:00:00	88,618	134.2653	
321	12/01/97 11:00:00	12/02/97 00:00:00	0	0.0000	WDW-157 97 Test
322	12/02/97 00:00:00	12/02/97 15:00:00	121,284	134.7600	WDW-157 97 Test
323	12/02/97 15:00:00	12/03/97 00:00:00	0	0.0000	WDW-157 97 Test
324	12/03/97 00:00:00	12/03/97 02:00:00	8,503	70.8583	WDW-157 97 Test
325	12/03/97 02:00:00	12/04/97 00:00:00	0	0.0000	WDW-157 97 Test
326	12/04/97 00:00:00	12/04/97 06:00:00	30,280	84.1111	WDW-157 97 Test
327	12/04/97 06:00:00	12/05/97 00:00:00	0	0.0000	WDW-157 97 Test
328	12/05/97 00:00:00	12/05/97 21:00:00	133,913	106.2802	WDW-157 97 Test
329	12/05/97 21:00:00	12/07/97 07:00:00	0	0.0000	WDW-157 97 Test

Table 5.1.2-I, WDW-157 Rates Used for Modeling, continued

	Start Date	End Date	Volume gallons	Rate gpm	Comment
330	12/07/97 07:00:00	12/08/97 00:00:00	97,543	95.6304	WDW-157 97 Test
331	12/08/97 00:00:00	12/09/97 00:00:00	147,816	102.6500	WDW-157 97 Test
332	12/09/97 00:00:00	12/10/97 00:00:00	158,544	110.1000	WDW-157 97 Test
333	12/10/97 00:00:00	12/10/97 04:00:00	25,200	105.0000	WDW-157 97 Test
334	12/10/97 04:00:00	12/10/97 08:00:00	22,080	92.0000	WDW-157 97 Test
335	12/10/97 08:00:00	12/10/97 10:30:00	0	0.0000	WDW-157 97 Test
336	12/10/97 10:30:00	12/10/97 16:00:00	32,670	98.9988	WDW-157 97 Test BU
337	12/10/97 16:00:00	12/10/97 20:00:00	24,480	102.0000	WDW-157 97 Test BU
338	12/10/97 20:00:00	12/11/97 10:30:00	86,130	99.0000	WDW-157 97 Test BU
339	12/11/97 10:30:00	12/12/97 10:29:47	0	0.0000	WDW-157 97 Test FO
340	12/12/97 10:29:47	12/31/97 23:59:59	1,288,758	45.7490	
341	12/31/97 23:59:59	01/31/98 23:59:59	1,938,329	43.4213	
342	01/31/98 23:59:59	02/28/98 23:59:59	1,246,934	30.9259	
343	02/28/98 23:59:59	03/31/98 23:59:59	1,753,160	39.2733	
344	03/31/98 23:59:59	04/16/98 18:00:00	998,045	44.0055	
345	04/16/98 18:00:00	04/20/98 08:00:00	0	0.0000	WDW-249 98 Test
346	04/20/98 08:00:00	04/30/98 23:59:59	675,924	44.0055	
347	04/30/98 23:59:59	05/31/98 23:59:59	1,752,119	39.2500	
348	05/31/98 23:59:59	06/30/98 23:59:59	1,246,045	28.8436	
349	06/30/98 23:59:59	07/31/98 23:59:59	1,200,336	26.8892	
350	07/31/98 23:59:59	08/31/98 23:59:59	893,820	20.0228	
351	08/31/98 23:59:59	09/14/98 07:00:00	312,199	16.3113	
352	09/14/98 07:00:00	09/14/98 08:00:00	8,640	144.0000	WDW-157 98 Test BU
353	09/14/98 08:00:00	09/14/98 14:00:00	38,880	108.0000	WDW-157 98 Test BU
354	09/14/98 14:00:00	09/15/98 02:00:00	75,600	105.0000	WDW-157 98 Test BU
355	09/15/98 02:00:00	09/15/98 05:00:00	19,440	108.0000	WDW-157 98 Test BU
356	09/15/98 05:00:00	09/15/98 06:00:00	6,660	111.0000	WDW-157 98 Test BU
357	09/15/98 06:00:00	09/15/98 09:00:00	21,060	117.0000	WDW-157 98 Test BU
358	09/15/98 09:00:00	09/15/98 11:30:00	17,100	114.0000	WDW-157 98 Test BU
359	09/15/98 11:30:00	09/16/98 11:33:25	0	0.0000	WDW-157 98 Test FO
360	09/16/98 11:33:25	09/30/98 23:59:59	341,013	16.3113	
361	09/30/98 23:59:59	10/13/98 23:56:00	502,653	26.8568	
362	10/13/98 23:56:00	10/17/98 08:00:00	0	0.0000	WDW-169 98 Test
363	10/17/98 08:00:00	10/31/98 23:59:59	567,217	26.8569	
364	10/31/98 23:59:59	11/30/98 23:59:59	853,144	19.7487	
365	11/30/98 23:59:59	12/31/98 23:59:59	853,144	19.1116	
366	12/31/98 23:59:59	01/26/99 11:25:00	1,202,509	32.7793	
367	01/26/99 11:25:00	01/29/99 11:25:00	0	0.0000	WDW-249 99 Test
368	01/29/99 11:25:00	01/30/99 09:00:00	85,470	66.0000	WDW-249 99 Test
369	01/30/99 09:00:00	01/31/99 23:59:59	76,703	32.7793	
370	01/31/99 23:59:59	02/28/99 23:59:59	945,090	23.4397	
371	02/28/99 23:59:59	03/31/99 23:59:59	1,158,643	25.9553	
372	03/31/99 23:59:59	04/30/99 23:59:59	696,650	16.1262	
373	04/30/99 23:59:59	05/31/99 23:59:59	963,674	21.5877	
374	05/31/99 23:59:59	06/30/99 23:59:59	672,015	15.5559	
375	06/30/99 23:59:59	07/31/99 23:59:59	1,196,844	26.8110	
376	07/31/99 23:59:59	08/31/99 23:59:59	1,366,929	30.6212	

Table 5.1.2-I, WDW-157 Rates Used for Modeling, continued

	Start Date	End Date	Volume gallons	Rate gpm	Comment
377	08/31/99 23:59:59	09/17/99 07:59:59	366,436	15.5798	
378	09/17/99 07:59:59	09/20/99 03:59:59	0	0.0000	WDW-157 99 Test
379	09/20/99 03:59:59	09/20/99 08:59:59	34,200	114.0000	WDW-157 99 Test BU
380	09/20/99 08:59:59	09/20/99 14:59:59	39,960	111.0000	WDW-157 99 Test BU
381	09/20/99 14:59:59	09/20/99 17:59:59	21,060	117.0000	WDW-157 99 Test BU
382	09/20/99 17:59:59	09/20/99 20:59:59	22,140	123.0000	WDW-157 99 Test BU
383	09/20/99 20:59:59	09/20/99 22:59:59	15,120	126.0000	WDW-157 99 Test BU
384	09/20/99 22:59:59	09/21/99 01:59:59	23,220	129.0000	WDW-157 99 Test BU
385	09/21/99 01:59:59	09/21/99 03:59:59	15,120	126.0000	WDW-157 99 Test BU
386	09/21/99 03:59:59	09/21/99 07:59:59	29,520	123.0000	WDW-157 99 Test BU
387	09/21/99 07:59:59	09/21/99 08:59:59	7,200	120.0000	WDW-157 99 Test BU
388	09/21/99 08:59:59	09/21/99 10:14:00	8,439	114.0047	WDW-157 99 Test BU
389	09/21/99 10:14:00	09/22/99 10:22:31	0	0.0000	WDW-157 99 Test FO
390	09/22/99 10:22:31	09/30/99 23:59:59	192,215	15.5798	
391	09/30/99 23:59:59	10/31/99 23:59:59	1,356,990	30.3985	
392	10/31/99 23:59:59	11/30/99 23:59:59	1,198,607	27.7455	
393	11/30/99 23:59:59	12/31/99 23:59:59	1,052,156	23.5698	
394	12/31/99 23:59:59	01/31/00 23:59:59	775,601	17.3746	
395	01/31/00 23:59:59	02/22/00 23:30:00	1,895,697	59.8956	
396	02/22/00 23:30:00	02/29/00 23:59:59	0	0.0000	WDW-169&249 00 Test
397	02/29/00 23:59:59	03/04/00 10:06:00	0	0.0000	WDW-169&249 00 Test
398	03/04/00 10:06:00	03/31/00 23:59:59	1,691,866	42.6013	
399	03/31/00 23:59:59	04/30/00 23:59:59	2,024,431	46.8618	
400	04/30/00 23:59:59	05/31/00 23:59:59	1,307,464	29.2891	
401	05/31/00 23:59:59	06/30/00 23:59:59	1,457,931	33.7484	
402	06/30/00 23:59:59	07/31/00 23:59:59	972,650	21.7888	
403	07/31/00 23:59:59	08/31/00 23:59:59	621,056	13.9125	
404	08/31/00 23:59:59	09/30/00 23:59:59	1,319,081	30.5343	
405	09/30/00 23:59:59	10/05/00 17:00:00	120,687	17.8004	
406	10/05/00 17:00:00	10/06/00 03:08:24	0	0.0000	WDW-157 00 Test
407	10/06/00 03:08:24	10/06/00 15:27:36	64,947	87.8611	WDW-157 00 Test
408	10/06/00 15:27:36	10/06/00 15:37:12	0	0.0000	WDW-157 00 Test
409	10/06/00 15:37:12	10/06/00 19:08:24	15,048	71.2500	WDW-157 00 Test
410	10/06/00 19:08:24	10/11/00 06:30:00	0	0.0000	WDW-157 00 Test
411	10/11/00 06:30:00	10/11/00 06:34:48	288	60.0000	WDW-157 00 Test
412	10/11/00 06:34:48	10/11/00 06:39:36	0	0.0000	WDW-157 00 Test
413	10/11/00 06:39:36	10/11/00 06:51:36	324	27.0000	WDW-157 00 Test
414	10/11/00 06:51:36	10/11/00 07:18:00	0	0.0000	WDW-157 00 Test
415	10/11/00 07:18:00	10/11/00 07:27:36	1,066	111.0417	WDW-157 00 Test BU
416	10/11/00 07:27:36	10/11/00 07:51:36	2,549	106.2083	WDW-157 00 Test BU
417	10/11/00 07:51:36	10/11/00 10:39:36	18,374	109.3690	WDW-157 00 Test BU
418	10/11/00 10:39:36	10/11/00 20:54:00	63,270	102.9785	WDW-157 00 Test BU
419	10/11/00 20:54:00	10/12/00 07:18:00	60,892	97.5833	WDW-157 00 Test BU
420	10/12/00 07:18:00	10/12/00 09:37:12	12,902	92.6868	WDW-157 00 Test BU
421	10/12/00 09:37:12	10/12/00 10:30:00	5,702	107.9924	WDW-157 00 Test BU
422	10/12/00 10:30:00	10/13/00 10:34:43	0	0.0000	WDW-157 00 Test FO
423	10/13/00 10:34:43	10/31/00 23:59:59	475,719	17.8004	

Table 5.1.2-I, WDW-157 Rates Used for Modeling, continued

	Start Date	End Date	Volume gallons	Rate gpm	Comment
424	10/31/00 23:59:59	11/30/00 23:59:59	974,089	22.5484	
425	11/30/00 23:59:59	12/31/00 23:59:59	920,409	20.6185	
426	12/31/00 23:59:59	01/31/01 23:59:59	1,081,715	24.2320	
427	01/31/01 23:59:59	02/28/01 23:59:59	1,175,063	29.1434	
428	02/28/01 23:59:59	03/15/01 16:00:00	404,567	19.1556	WDW-169 01 Test
429	03/15/01 16:00:00	03/17/01 12:00:00	118,800	45.0000	WDW-169 01 Test
430	03/17/01 12:00:00	03/31/01 23:59:59	399,969	19.1556	
431	03/31/01 23:59:59	04/30/01 23:59:59	1,632,011	37.7780	
432	04/30/01 23:59:59	05/31/01 23:59:59	1,576,000	35.3047	
433	05/31/01 23:59:59	06/30/01 23:59:59	1,540,530	35.6604	
434	06/30/01 23:59:59	07/31/01 23:59:59	1,573,600	35.2509	
435	07/31/01 23:59:59	08/31/01 23:59:59	1,210,000	27.1057	
436	08/31/01 23:59:59	09/01/01 07:00:00	0	0.0000	WDW-157 01 Test
437	09/01/01 07:00:00	09/09/01 16:00:00	540,540	44.8209	WDW-157 01 Test
438	09/09/01 16:00:00	09/09/01 19:00:00	0	0.0000	WDW-157 01 Test
439	09/09/01 19:00:00	09/10/01 10:00:00	66,780	74.2000	WDW-157 01 Test
440	09/10/01 10:00:00	09/11/01 21:00:00	0	0.0000	WDW-157 01 Test
441	09/11/01 21:00:00	09/12/01 01:00:00	20,520	85.5000	WDW-157 01 Test
442	09/12/01 01:00:00	09/17/01 06:00:00	0	0.0000	WDW-157 01 Test
443	09/17/01 06:00:00	09/18/01 05:00:00	128,700	93.2609	WDW-157 01 Test BU
444	09/18/01 05:00:00	09/18/01 06:00:00	5,220	87.0000	WDW-157 01 Test BU
445	09/18/01 06:00:00	09/18/01 07:00:00	4,860	81.0000	WDW-157 01 Test BU
446	09/18/01 07:00:00	09/18/01 10:00:00	13,500	75.0000	WDW-157 01 Test BU
447	09/18/01 10:00:00	09/18/01 10:45:00	4,050	90.0000	WDW-157 01 Test BU
448	09/18/01 10:45:00	09/19/01 10:45:00	0	0.0000	WDW-157 01 Test FO
449	09/19/01 10:45:00	09/30/01 23:59:59	473,230	28.4479	
450	09/30/01 23:59:59	10/31/01 23:59:59	1,259,100	28.2056	
451	10/31/01 23:59:59	11/30/01 23:59:59	957,100	22.1551	
452	11/30/01 23:59:59	12/31/01 23:59:59	1,603,000	35.9095	
453	12/31/01 23:59:59	01/31/02 23:59:59	1,860,016	41.6670	
454	01/31/02 23:59:59	02/28/02 23:59:59	1,949,380	48.3477	
455	02/28/02 23:59:59	03/11/02 18:45:19	927,841	59.7630	WDW-249 02 Test
456	03/11/02 18:45:19	03/14/02 10:16:00	227,738	59.7630	WDW-249 02 Test
457	03/14/02 10:16:00	03/31/02 23:59:59	1,512,242	59.7630	
458	03/31/02 23:59:59	04/30/02 23:59:59	2,710,900	62.7523	
459	04/30/02 23:59:59	05/31/02 23:59:59	2,236,600	50.1030	
460	05/31/02 23:59:59	06/30/02 23:59:59	2,115,700	48.9745	
461	06/30/02 23:59:59	07/31/02 23:59:59	2,696,010	60.3945	
462	07/31/02 23:59:59	08/31/02 23:59:59	1,825,616	40.8964	
463	08/31/02 23:59:59	09/30/02 23:59:59	1,154,776	26.7309	
464	09/30/02 23:59:59	10/02/02 04:00:00	54,103	32.2038	WDW-157 02 Test
465	10/02/02 04:00:00	10/03/02 09:00:00	134,640	77.3793	WDW-157 02 Test
466	10/03/02 09:00:00	10/04/02 02:00:00	0	0.0000	WDW-157 02 Test
467	10/04/02 02:00:00	10/04/02 18:00:00	83,280	86.7500	WDW-157 02 Test
468	10/04/02 18:00:00	10/04/02 21:00:00	20,160	112.0000	WDW-157 02 Test
469	10/04/02 21:00:00	10/05/02 00:00:00	16,560	92.0000	WDW-157 02 Test
470	10/05/02 00:00:00	10/07/02 10:00:00	0	0.0000	WDW-157 02 Test

Table 5.1.2-I, WDW-157 Rates Used for Modeling, continued

	Start Date	End Date	Volume gallons	Rate gpm	Comment
471	10/07/02 10:00:00	10/07/02 21:00:00	48,240	73.0909	WDW-157 02 Test BU
472	10/07/02 21:00:00	10/08/02 06:00:00	43,920	81.3333	WDW-157 02 Test BU
473	10/08/02 06:00:00	10/08/02 07:00:00	4,680	78.0000	WDW-157 02 Test BU
474	10/08/02 07:00:00	10/08/02 11:00:00	18,000	75.0000	WDW-157 02 Test BU
475	10/08/02 11:00:00	10/08/02 12:00:00	4,320	72.0000	WDW-157 02 Test BU
476	10/08/02 12:00:00	10/08/02 16:00:00	16,560	69.0000	WDW-157 02 Test BU
477	10/08/02 16:00:00	10/09/02 16:04:34	0	0.0000	WDW-157 02 Test FO
478	10/09/02 16:04:34	10/31/02 23:59:59	1,035,537	32.2041	
479	10/31/02 23:59:59	11/30/02 23:59:59	1,617,453	37.4410	
480	11/30/02 23:59:59	12/31/02 23:59:59	1,796,324	40.2402	
481	12/31/02 23:59:59	01/04/03 08:00:00	213,382	44.4544	WDW-169&249 03 Test
482	01/04/03 08:00:00	01/08/03 10:00:00	0	0.0000	WDW-169&249 03 Test
483	01/08/03 10:00:00	01/31/03 23:59:59	1,509,672	44.4544	
484	01/31/03 23:59:59	02/28/03 23:59:59	2,076,351	51.4968	
485	02/28/03 23:59:59	03/31/03 23:59:59	2,192,929	49.1248	
486	03/31/03 23:59:59	04/30/03 23:59:59	1,759,930	40.7391	
487	04/30/03 23:59:59	05/31/03 23:59:59	2,444,064	54.7505	
488	05/31/03 23:59:59	06/30/03 23:59:59	1,554,403	35.9816	
489	06/30/03 23:59:59	07/31/03 23:59:59	3,032,262	67.9270	
490	07/31/03 23:59:59	08/31/03 23:59:59	2,640,658	59.1545	
491	08/31/03 23:59:59	09/30/03 23:59:59	2,798,894	64.7892	
492	09/30/03 23:59:59	10/14/03 04:59:49	1,628,460	85.6190	WDW-157 03 Test
493	10/14/03 04:59:49	10/15/03 17:59:49	0	0.0000	WDW-157 03 Test
494	10/15/03 17:59:49	10/16/03 17:59:49	114,120	79.2500	WDW-157 03 Test
495	10/16/03 17:59:49	10/18/03 16:59:49	287,820	102.0638	WDW-157 03 Test
496	10/18/03 16:59:49	10/19/03 18:59:49	153,720	98.5385	WDW-157 03 Test
497	10/19/03 18:59:49	10/21/03 12:59:49	269,460	106.9286	WDW-157 03 Test
498	10/21/03 12:59:49	10/22/03 10:59:49	131,040	99.2727	WDW-157 03 Test
499	10/22/03 10:59:49	10/22/03 14:59:49	0	0.0000	WDW-157 03 Test
500	10/22/03 14:59:49	10/22/03 19:59:49	22,980	76.6000	WDW-157 03 Test BU
501	10/22/03 19:59:49	10/22/03 20:59:49	4,140	69.0000	WDW-157 03 Test BU
502	10/22/03 20:59:49	10/22/03 21:59:49	3,780	63.0000	WDW-157 03 Test BU
503	10/22/03 21:59:49	10/23/03 02:59:49	18,000	60.0000	WDW-157 03 Test BU
504	10/23/03 02:59:49	10/23/03 12:49:00	33,583	56.9994	WDW-157 03 Test BU
505	10/23/03 12:49:00	10/24/03 13:01:21	0	0.0000	WDW-157 03 Test FO
506	10/24/03 13:01:21	10/31/03 23:59:59	833,742	77.6395	
507	10/31/03 23:59:59	11/30/03 23:59:59	2,759,822	63.8848	
508	11/30/03 23:59:59	12/31/03 23:59:59	2,009,614	45.0182	
509	12/31/03 23:59:59	01/02/04 04:00:00	100,603	59.8821	WDW-169 04 Test
510	01/02/04 04:00:00	01/03/04 08:00:00	100,800	60.0000	WDW-169 04 Test
511	01/03/04 08:00:00	01/09/04 07:44:54	517,494	60.0000	WDW-249 04 Test
512	01/09/04 07:44:54	01/31/04 23:59:59	1,955,463	59.8823	
513	01/31/04 23:59:59	02/29/04 23:59:59	2,804,856	67.1661	
514	02/29/04 23:59:59	03/31/04 23:59:59	4,431,768	99.2780	
515	03/31/04 23:59:59	04/30/04 23:59:59	2,717,252	62.8994	
516	04/30/04 23:59:59	05/31/04 23:59:59	2,958,400	66.2724	
517	05/31/04 23:59:59	06/30/04 23:59:59	2,764,983	64.0042	

Table 5.1.2-I, WDW-157 Rates Used for Modeling, continued

	Start Date	End Date	Volume gallons	Rate gpm	Comment
518	06/30/04 23:59:59	07/31/04 23:59:59	2,732,050	61.2018	
519	07/31/04 23:59:59	08/31/04 23:59:59	2,068,558	46.3387	
520	08/31/04 23:59:59	09/30/04 23:59:59	1,732,586	40.1062	
521	09/30/04 23:59:59	10/31/04 23:59:59	2,340,000	52.4194	
522	10/31/04 23:59:59	11/15/04 00:10:00	1,116,820	55.3703	WDW-157 04 Test
523	11/15/04 00:10:00	11/16/04 13:00:00	0	0.0000	WDW-157 04 Test
524	11/16/04 13:00:00	11/16/04 23:00:00	56,510	94.1833	WDW-157 04 Test BU
525	11/16/04 23:00:00	11/17/04 09:40:00	54,459	85.0922	WDW-157 04 Test BU
526	11/17/04 09:40:00	11/17/04 09:50:00	0	0.0000	WDW-157 04 Test BU
527	11/17/04 09:50:00	11/17/04 23:00:00	67,223	85.0924	WDW-157 04 Test BU
528	11/17/04 23:00:00	11/18/04 06:54:00	46,467	98.0316	WDW-157 04 Test BU
529	11/18/04 06:54:00	11/19/04 07:39:16	0	0.0000	WDW-157 04 Test FO
530	11/19/04 07:39:16	11/30/04 23:59:59	766,691	45.5802	
531	11/30/04 23:59:59	12/31/04 23:59:59	2,296,471	51.4442	
532	12/31/04 23:59:59	01/08/05 06:00:00	966,451	92.5718	
533	01/08/05 06:00:00	01/11/05 08:35:10	414,274	92.5717	WDW-169 05 Test
534	01/11/05 08:35:10	01/31/05 23:59:59	2,751,679	92.5718	
535	01/31/05 23:59:59	02/28/05 23:59:59	2,615,180	64.8606	
536	02/28/05 23:59:59	03/31/05 23:59:59	2,040,173	45.7028	
537	03/31/05 23:59:59	04/30/05 23:59:59	1,845,673	42.7239	
538	04/30/05 23:59:59	05/31/05 23:59:59	2,138,421	47.9037	
539	05/31/05 23:59:59	06/30/05 23:59:59	1,906,423	44.1302	
540	06/30/05 23:59:59	07/31/05 23:59:59	3,427,772	76.7870	
541	07/31/05 23:59:59	08/31/05 23:59:59	2,356,891	52.7977	
542	08/31/05 23:59:59	09/30/05 23:59:59	1,807,681	41.8445	
543	09/30/05 23:59:59	10/19/05 20:45:00	2,106,342	77.5388	WDW-157 05 Test
544	10/19/05 20:45:00	10/20/05 07:50:00	0	0.0000	WDW-157 05 Test
545	10/20/05 07:50:00	10/20/05 23:59:59	83,768	86.3602	WDW-157 05 Test
546	10/20/05 23:59:59	10/21/05 23:59:59	121,115	84.1076	WDW-157 05 Test
547	10/21/05 23:59:59	10/22/05 23:59:59	122,048	84.7556	WDW-157 05 Test
548	10/22/05 23:59:59	10/23/05 15:10:00	77,611	85.2853	WDW-157 05 Test
549	10/23/05 15:10:00	10/25/05 04:00:00	0	0.0000	WDW-157 05 Test
550	10/25/05 04:00:00	10/25/05 23:59:59	92,052	76.7111	WDW-157 05 Test BU
551	10/25/05 23:59:59	10/26/05 10:00:00	32,206	53.6752	WDW-157 05 Test BU
552	10/26/05 10:00:00	10/27/05 10:06:34	0	0.0000	WDW-157 05 Test FO
553	10/27/05 10:06:34	10/31/05 23:59:59	525,758	79.7399	
554	10/31/05 23:59:59	11/30/05 23:59:59	2,338,742	54.1375	
555	11/30/05 23:59:59	12/31/05 23:59:59	3,032,306	67.9280	
556	12/31/05 23:59:59	01/31/06 23:59:59	2,982,509	66.8125	
557	01/31/06 23:59:59	02/28/06 23:59:59	2,092,318	51.8928	
558	02/28/06 23:59:59	03/31/06 23:59:59	3,036,220	68.0157	
559	03/31/06 23:59:59	04/30/06 23:59:59	2,193,040	50.7648	
560	04/30/06 23:59:59	05/31/06 23:59:59	1,702,267	38.1332	
561	05/31/06 23:59:59	06/30/06 23:59:59	1,489,119	34.4703	
562	06/30/06 23:59:59	07/31/06 23:59:59	851,751	19.0804	
563	07/31/06 23:59:59	08/31/06 23:59:59	1,313,242	29.4185	
564	08/31/06 23:59:59	09/18/06 13:00:00	631,319	24.9928	

Table 5.1.2-I, WDW-157 Rates Used for Modeling, continued

	Start Date	End Date	Volume gallons	Rate gpm	Comment
565	09/18/06 13:00:00	09/30/06 23:59:59	0	0.0000	
566	09/30/06 23:59:59	10/05/06 21:00:00	659,355	93.9250	WDW-157 06 Test
567	10/05/06 21:00:00	10/06/06 04:00:00	29,340	69.8571	WDW-157 06 Test
568	10/06/06 04:00:00	10/11/06 22:00:00	0	0.0000	WDW-157 06 Test
569	10/11/06 22:00:00	10/12/06 20:00:00	83,340	63.1364	WDW-157 06 Test
570	10/12/06 20:00:00	10/13/06 10:00:00	0	0.0000	WDW-157 06 Test
571	10/13/06 10:00:00	10/15/06 23:00:00	161,460	44.1148	WDW-157 06 Test
572	10/15/06 23:00:00	10/17/06 13:00:00	0	0.0000	WDW-157 06 Test
573	10/17/06 13:00:00	10/22/06 05:00:00	486,720	72.4286	WDW-157 06 Test
574	10/22/06 05:00:00	10/24/06 06:00:00	0	0.0000	WDW-157 06 Test
575	10/24/06 06:00:00	10/24/06 08:00:00	6,120	51.0000	WDW-157 06 Test BU
576	10/24/06 08:00:00	10/24/06 10:00:00	7,920	66.0000	WDW-157 06 Test BU
577	10/24/06 10:00:00	10/24/06 12:00:00	7,560	63.0000	WDW-157 06 Test BU
578	10/24/06 12:00:00	10/25/06 00:00:00	43,200	60.0000	WDW-157 06 Test BU
579	10/25/06 00:00:00	10/25/06 07:00:00	26,460	63.0000	WDW-157 06 Test BU
580	10/25/06 07:00:00	10/25/06 09:00:00	7,920	66.0000	WDW-157 06 Test BU
581	10/25/06 09:00:00	10/25/06 11:14:00	8,442	63.0000	WDW-157 06 Test BU
582	10/25/06 11:14:00	10/26/06 11:20:43	0	0.0000	WDW-157 06 Test FO
583	10/26/06 11:20:43	10/27/06 14:00:00	0	0.0000	
584	10/27/06 14:00:00	10/31/06 23:59:59	597,361	93.9249	
585	10/31/06 23:59:59	11/30/06 23:59:59	1,183,352	27.3924	
586	11/30/06 23:59:59	12/31/06 23:59:59	760,611	17.0388	
587	12/31/06 23:59:59	01/31/07 23:59:59	1,136,927	25.4688	
588	01/31/07 23:59:59	02/28/07 23:59:59	1,152,222	28.5769	
589	02/28/07 23:59:59	03/31/07 23:59:59	974,715	21.8350	
590	03/31/07 23:59:59	04/30/07 23:59:59	1,123,409	26.0048	
591	04/30/07 23:59:59	05/31/07 23:59:59	1,040,844	23.3164	
592	05/31/07 23:59:59	06/30/07 23:59:59	1,359,050	31.4595	
593	06/30/07 23:59:59	07/31/07 23:59:59	1,224,462	27.4297	
594	07/31/07 23:59:59	08/31/07 23:59:59	1,088,405	24.3818	
595	08/31/07 23:59:59	09/30/07 23:59:59	809,961	18.7491	
596	09/30/07 23:59:59	10/14/07 13:00:00	430,314	22.0674	
597	10/14/07 13:00:00	10/16/07 09:00:00	0	0.0000	WDW-157 07 Test Stab
598	10/16/07 09:00:00	10/17/07 10:09:07	129,084	85.5361	WDW-157 07 Test BU
599	10/17/07 10:09:07	10/19/07 06:06:03	0	0.0000	WDW-157 07 Test FO
600	10/19/07 06:06:03	10/19/07 15:29:59	0	0.0000	
601	10/19/07 15:29:59	10/31/07 23:59:59	728,577	40.9543	
602	10/31/07 23:59:59	11/30/07 23:59:59	876,017	20.2782	
603	11/30/07 23:59:59	12/31/07 23:59:59	438,321	9.8190	
604	12/31/07 23:59:59	01/31/08 23:59:59	403,712	9.0437	
605	01/31/08 23:59:59	02/29/08 23:59:59	716,420	17.1557	
606	02/29/08 23:59:59	03/31/08 23:59:59	151,153	3.3860	
607	03/31/08 23:59:59	04/30/08 23:59:59	376,063	8.7052	
608	04/30/08 23:59:59	05/31/08 23:59:59	406,617	9.1088	
609	05/31/08 23:59:59	06/30/08 23:59:59	306,935	7.1050	
610	06/30/08 23:59:59	07/31/08 23:59:59	772,770	17.3112	
611	07/31/08 23:59:59	08/16/08 07:00:00	218,316	9.9144	

Table 5.1.2-I, WDW-157 Rates Used for Modeling, continued

	Start Date	End Date	Volume gallons	Rate gpm	Comment
612	08/16/08 07:00:00	08/17/08 07:00:00	0	0.0000	WDW-157 08 Test Stab
613	08/17/08 07:00:00	08/18/08 10:00:07	116,648	71.9998	WDW-157 08 Test BU
614	08/18/08 10:00:07	08/19/08 07:07:46	0	0.0000	WDW-157 08 Test FO
615	08/19/08 07:07:46	08/19/08 14:44:59	0	0.0000	
616	08/19/08 14:44:59	08/31/08 23:59:59	855,191	47.9502	
617	08/31/08 23:59:59	09/30/08 23:59:59	319,847	7.4039	
618	09/30/08 23:59:59	10/31/08 23:59:59	466,801	10.4570	
619	10/31/08 23:59:59	11/30/08 23:59:59	109,402	2.5325	
620	11/30/08 23:59:59	12/31/08 23:59:59	442,978	9.9233	
621	12/31/08 23:59:59	01/31/09 23:59:59	657,556	14.7302	
622	01/31/09 23:59:59	02/28/09 23:59:59	254,146	6.3032	
623	02/28/09 23:59:59	03/31/09 23:59:59	442,199	9.9059	
624	03/31/09 23:59:59	04/30/09 23:59:59	347,483	8.0436	
625	04/30/09 23:59:59	05/31/09 23:59:59	902,606	20.2197	
626	05/31/09 23:59:59	06/30/09 23:59:59	485,304	11.2339	
627	06/30/09 23:59:59	07/31/09 23:59:59	294,192	6.5903	
628	07/31/09 23:59:59	08/04/09 15:30:00	30,642	5.8366	
629	08/04/09 15:30:00	08/10/09 07:10:00	0	0.0000	WDW-157 09 Test Stab
630	08/10/09 07:10:00	08/11/09 10:08:00	120,691	74.5927	WDW-157 09 Test BU
631	08/11/09 10:08:00	08/12/09 07:28:00	0	0.0000	WDW-157 09 Test FO
632	08/12/09 07:28:00	08/12/09 14:00:00	0	0.0000	
633	08/12/09 14:00:00	08/31/09 23:59:59	473,782	16.9450	
634	08/31/09 23:59:59	09/30/09 23:59:59	455,260	10.5384	
635	09/30/09 23:59:59	10/31/09 23:59:59	1,007,024	22.5588	
636	10/31/09 23:59:59	11/30/09 23:59:59	978,109	22.6414	
637	11/30/09 23:59:59	12/31/09 23:59:59	449,881	10.0780	
638	12/31/09 23:59:59	01/31/10 23:59:59	296,055	6.6321	
639	01/31/10 23:59:59	02/28/10 23:59:59	729,174	18.0847	
640	02/28/10 23:59:59	03/31/10 23:59:59	406,602	9.1085	
641	03/31/10 23:59:59	04/30/10 23:59:59	60,676	1.4045	
642	04/30/10 23:59:59	05/31/10 23:59:59	686,483	15.3782	
643	05/31/10 23:59:59	06/30/10 23:59:59	414,736	9.6004	
644	06/30/10 23:59:59	07/31/10 23:59:59	406,116	9.0976	
645	07/31/10 23:59:59	08/18/10 14:00:00	273,655	10.8079	
646	08/18/10 14:00:00	08/29/10 07:00:00	0	0.0000	WDW-157 10 Test Stab
647	08/29/10 07:00:00	08/30/10 07:57:01	86,784	57.9713	WDW-157 10 Test BU
648	08/30/10 07:57:01	08/31/10 07:24:36	0	0.0000	WDW-157 10 Test FO
649	08/31/10 07:24:36	08/31/10 23:59:59	0	0.0000	
650	08/31/10 23:59:59	09/30/10 23:59:59	783,226	18.1302	
651	09/30/10 23:59:59	10/31/10 23:59:59	71,911	1.6109	
652	10/31/10 23:59:59	11/30/10 23:59:59	359,457	8.3208	
653	11/30/10 23:59:59	12/31/10 23:59:59	416,991	9.3412	
654	12/31/10 23:59:59	01/31/11 23:59:59	354,361	7.9382	
655	01/31/11 23:59:59	02/28/11 23:59:59	438,161	10.8671	
656	02/28/11 23:59:59	03/31/11 23:59:59	562,261	12.5955	
657	03/31/11 23:59:59	04/30/11 23:59:59	12,142	0.2811	
658	04/30/11 23:59:59	05/31/11 23:59:59	157,553	3.5294	

Table 5.1.2-I, WDW-157 Rates Used for Modeling, continued

	Start Date	End Date	Volume gallons	Rate gpm	Comment
659	05/31/11 23:59:59	06/30/11 23:59:59	411,309	9.5210	
660	06/30/11 23:59:59	07/31/11 23:59:59	418,422	9.3733	
661	07/31/11 23:59:59	08/31/11 23:59:59	21,678	0.4856	
662	08/31/11 23:59:59	09/16/11 16:00:00	214,624	9.5135	
663	09/16/11 16:00:00	09/25/11 08:00:00	0	0.0000	WDW-157 11 Test Stab
664	09/25/11 08:00:00	09/26/11 11:12:25	118,984	72.8883	WDW-157 11 Test BU
665	09/26/11 11:12:25	09/27/11 10:55:00	0	0.0000	WDW-157 11 Test FO
666	09/27/11 10:55:00	09/30/11 23:59:59	0	0.0000	
667	09/30/11 23:59:59	10/31/11 23:59:59	396,834	8.8897	
668	10/31/11 23:59:59	11/30/11 23:59:59	231,420	5.3569	
669	11/30/11 23:59:59	12/31/11 23:59:59	550,304	12.3276	
670	12/31/11 23:59:59	01/31/12 23:59:59	450,046	10.0817	
671	01/31/12 23:59:59	02/29/12 23:59:59	1,001,085	23.9723	
672	02/29/12 23:59:59	03/31/12 23:59:59	867,323	19.4293	
673	03/31/12 23:59:59	04/30/12 23:59:59	1,224,824	28.3524	
674	04/30/12 23:59:59	05/31/12 23:59:59	357,683	8.0126	
675	05/31/12 23:59:59	06/30/12 23:59:59	70,274	1.6267	
676	06/30/12 23:59:59	07/31/12 23:59:59	870,129	19.4921	
677	07/31/12 23:59:59	08/31/12 23:59:59	0	0.0000	
678	08/31/12 23:59:59	09/06/12 09:00:00	188,991	24.4174	
679	09/06/12 09:00:00	09/16/12 13:00:00	0	0.0000	WDW-157 12 Test Stab
680	09/16/12 13:00:00	09/17/12 15:42:00	106,306	66.3583	WDW-157 12 Test BU
681	09/17/12 15:42:00	09/18/12 15:42:00	0	0.0000	WDW-157 12 Test FO
682	09/18/12 15:42:00	09/18/12 16:59:59	0	0.0000	
683	09/18/12 16:59:59	09/30/12 23:59:59	359,512	20.3114	
684	09/30/12 23:59:59	10/31/12 23:59:59	428,320	9.5950	
685	10/31/12 23:59:59	11/30/12 23:59:59	66,563	1.5408	
686	11/30/12 23:59:59	12/31/12 23:59:59	385,156	8.6280	
687	12/31/12 23:59:59	01/31/13 23:59:59	463,173	10.3757	
688	01/31/13 23:59:59	02/28/13 23:59:59	29,548	0.7328	
689	02/28/13 23:59:59	03/31/13 23:59:59	372,122	8.3361	
690	03/31/13 23:59:59	04/30/13 23:59:59	515,425	11.9311	
691	04/30/13 23:59:59	05/31/13 23:59:59	447,158	10.0170	
692	05/31/13 23:59:59	06/30/13 23:59:59	788,795	18.2591	
693	06/30/13 23:59:59	07/31/13 23:59:59	322,246	7.2188	
694	07/31/13 23:59:59	08/31/13 23:59:59	23,377	0.5237	
695	08/31/13 23:59:59	09/14/13 17:00:00	0	0.0000	WDW-157 13 Test Stab
696	09/14/13 17:00:00	09/16/13 09:04:20	140,490	58.4320	WDW-157 13 Test BU
697	09/16/13 09:04:20	09/17/13 09:10:40	0	0.0000	WDW-157 13 Test FO
698	09/17/13 09:10:40	09/17/13 16:00:00	0	0.0000	
699	09/17/13 16:00:00	09/30/13 23:59:59	31,877	1.6603	
700	09/30/13 23:59:59	10/31/13 23:59:59	753,476	16.8789	
701	10/31/13 23:59:59	11/30/13 23:59:59	299,745	6.9385	
702	11/30/13 23:59:59	12/31/13 23:59:59	382,499	8.5685	
703	12/31/13 23:59:59	01/31/14 23:59:59	351,297	7.8696	
704	01/31/14 23:59:59	02/28/14 23:59:59	775,573	19.2354	
705	02/28/14 23:59:59	03/31/14 23:59:59	545,414	12.2181	

Table 5.1.2-I, WDW-157 Rates Used for Modeling, continued

	Start Date	End Date	Volume gallons	Rate gpm	Comment
706	03/31/14 23:59:59	04/30/14 23:59:59	169,557	3.9249	
707	04/30/14 23:59:59	05/31/14 23:59:59	527,617	11.8194	
708	05/31/14 23:59:59	06/30/14 23:59:59	348,417	8.0652	
709	06/30/14 23:59:59	07/31/14 23:59:59	455,674	10.2078	
710	07/31/14 23:59:59	08/31/14 23:59:59	414,345	9.2819	
711	08/31/14 23:59:59	09/02/14 08:00:00	0	0.0000	
712	09/02/14 08:00:00	09/05/14 10:00:00	252,030	56.7635	
713	09/05/14 10:00:00	09/16/14 08:00:00	0	0.0000	WDW-157 14 Test Stab
714	09/16/14 08:00:00	09/17/14 12:24:24	92,524	54.2854	WDW-157 14 Test BU
715	09/17/14 12:24:24	09/18/14 12:36:20	0	0.0000	WDW-157 14 Test FO
716	09/18/14 12:36:20	09/30/14 23:59:59	0	0.0000	
717	09/30/14 23:59:59	12/31/14 23:59:59	59,616,000	450.0000	Flow into WDW-157
718	12/31/14 23:59:59	12/31/15 23:59:59	236,520,000	450.0000	Flow into WDW-157
719	12/31/15 23:59:59	12/31/30 23:59:59	3,550,392,000	450.0000	Flow into WDW-157
720	12/31/15 23:59:59	12/31/31 23:59:59	0	0.0000	Post-Op Shutin

Table 5.1.2-II

WDW-169 Rates Used for Modeling

	Start Date	End Date	Volume gallons	Rate gpm	Comment
1	10/31/81 23:59:59	11/30/81 23:59:59	0	0.0000	
2	11/30/81 23:59:59	12/31/81 23:59:59	127,729	2.8613	
3	12/31/81 23:59:59	01/31/82 23:59:59	259,000	5.8020	
4	01/31/82 23:59:59	02/28/82 23:59:59	267,000	6.6220	
5	02/28/82 23:59:59	03/31/82 23:59:59	164,000	3.6738	
6	03/31/82 23:59:59	04/30/82 23:59:59	551,000	12.7546	
7	04/30/82 23:59:59	05/31/82 23:59:59	598,000	13.3961	
8	05/31/82 23:59:59	06/30/82 23:59:59	528,000	12.2222	
9	06/30/82 23:59:59	07/31/82 23:59:59	450,000	10.0806	
10	07/31/82 23:59:59	08/31/82 23:59:59	845,000	18.9292	
11	08/31/82 23:59:59	09/30/82 23:59:59	749,000	17.3380	
12	09/30/82 23:59:59	10/31/82 23:59:59	802,000	17.9659	
13	10/31/82 23:59:59	11/30/82 23:59:59	750,000	17.3611	
14	11/30/82 23:59:59	12/31/82 23:59:59	995,000	22.2894	
15	12/31/82 23:59:59	01/31/83 23:59:59	1,414,000	31.6756	
16	01/31/83 23:59:59	02/28/83 23:59:59	1,369,000	33.9534	
17	02/28/83 23:59:59	03/31/83 23:59:59	1,304,000	29.2115	
18	03/31/83 23:59:59	04/30/83 23:59:59	1,125,000	26.0417	
19	04/30/83 23:59:59	05/31/83 23:59:59	1,122,000	25.1344	
20	05/31/83 23:59:59	06/30/83 23:59:59	1,350,000	31.2500	
21	06/30/83 23:59:59	07/31/83 23:59:59	1,430,000	32.0341	
22	07/31/83 23:59:59	08/31/83 23:59:59	1,312,000	29.3907	
23	08/31/83 23:59:59	09/30/83 23:59:59	1,242,000	28.7500	
24	09/30/83 23:59:59	10/31/83 23:59:59	1,242,000	27.8226	
25	10/31/83 23:59:59	11/30/83 23:59:59	1,380,000	31.9444	
26	11/30/83 23:59:59	12/31/83 23:59:59	1,210,000	27.1057	
27	12/31/83 23:59:59	01/31/84 23:59:59	1,390,000	31.1380	
28	01/31/84 23:59:59	02/29/84 23:59:59	1,390,000	33.2854	
29	02/29/84 23:59:59	03/31/84 23:59:59	1,210,000	27.1057	
30	03/31/84 23:59:59	04/30/84 23:59:59	890,000	20.6019	
31	04/30/84 23:59:59	05/31/84 23:59:59	2,234,000	50.0448	
32	05/31/84 23:59:59	06/30/84 23:59:59	1,480,000	34.2593	
33	06/30/84 23:59:59	07/31/84 23:59:59	693,000	15.5242	
34	07/31/84 23:59:59	08/31/84 23:59:59	1,368,000	30.6452	
35	08/31/84 23:59:59	09/30/84 23:59:59	2,460,000	56.9444	
36	09/30/84 23:59:59	10/31/84 23:59:59	1,790,000	40.0986	
37	10/31/84 23:59:59	11/30/84 23:59:59	1,590,000	36.8056	
38	11/30/84 23:59:59	12/31/84 23:59:59	1,590,000	35.6183	
39	12/31/84 23:59:59	01/31/85 23:59:59	1,895,577	42.4636	
40	01/31/85 23:59:59	02/28/85 23:59:59	2,023,500	50.1860	
41	02/28/85 23:59:59	03/31/85 23:59:59	3,010,218	67.4332	
42	03/31/85 23:59:59	04/30/85 23:59:59	2,113,999	48.9352	
43	04/30/85 23:59:59	05/31/85 23:59:59	2,059,330	46.1319	
44	05/31/85 23:59:59	06/30/85 23:59:59	2,344,560	54.2722	
45	06/30/85 23:59:59	07/31/85 23:59:59	2,208,459	49.4726	
46	07/31/85 23:59:59	08/31/85 23:59:59	1,860,060	41.6680	
47	08/31/85 23:59:59	09/30/85 23:59:59	1,956,750	45.2951	

Table 5.1.2-II, WDW-169 Rates Used for Modeling, continued

	Start Date	End Date	Volume gallons	Rate gpm	Comment
48	09/30/85 23:59:59	10/31/85 23:59:59	2,236,180	50.0936	
49	10/31/85 23:59:59	11/30/85 23:59:59	2,214,230	51.2553	
50	11/30/85 23:59:59	12/31/85 23:59:59	2,039,370	45.6848	
51	12/31/85 23:59:59	01/31/86 23:59:59	1,636,310	36.6557	
52	01/31/86 23:59:59	02/28/86 23:59:59	0	0.0000	
53	02/28/86 23:59:59	03/31/86 23:59:59	0	0.0000	
54	03/31/86 23:59:59	04/30/86 23:59:59	0	0.0000	
55	04/30/86 23:59:59	05/31/86 23:59:59	0	0.0000	
56	05/31/86 23:59:59	06/30/86 23:59:59	0	0.0000	
57	06/30/86 23:59:59	07/31/86 23:59:59	0	0.0000	
58	07/31/86 23:59:59	08/31/86 23:59:59	453,104	10.1502	
59	08/31/86 23:59:59	09/30/86 23:59:59	1,558,576	36.0781	
60	09/30/86 23:59:59	10/31/86 23:59:59	1,839,710	41.2121	
61	10/31/86 23:59:59	11/30/86 23:59:59	1,960,000	45.3704	
62	11/30/86 23:59:59	12/31/86 23:59:59	1,779,582	39.8652	
63	12/31/86 23:59:59	01/31/87 23:59:59	2,056,982	46.0793	
64	01/31/87 23:59:59	02/28/87 23:59:59	1,359,416	33.7157	
65	02/28/87 23:59:59	03/31/87 23:59:59	1,825,209	40.8873	
66	03/31/87 23:59:59	04/30/87 23:59:59	903,460	20.9134	
67	04/30/87 23:59:59	05/31/87 23:59:59	1,405,610	31.4877	
68	05/31/87 23:59:59	06/30/87 23:59:59	1,670,240	38.6630	
69	06/30/87 23:59:59	07/31/87 23:59:59	1,776,870	39.8044	
70	07/31/87 23:59:59	08/31/87 23:59:59	1,454,320	32.5789	
71	08/31/87 23:59:59	09/30/87 23:59:59	1,791,260	41.4644	
72	09/30/87 23:59:59	10/31/87 23:59:59	1,775,380	39.7711	
73	10/31/87 23:59:59	11/30/87 23:59:59	1,914,520	44.3176	
74	11/30/87 23:59:59	12/31/87 23:59:59	2,124,300	47.5874	
75	12/31/87 23:59:59	01/31/88 23:59:59	2,191,320	49.0887	
76	01/31/88 23:59:59	02/29/88 23:59:59	1,510,670	36.1750	
77	02/29/88 23:59:59	03/31/88 23:59:59	1,808,320	40.5090	
78	03/31/88 23:59:59	04/30/88 23:59:59	1,463,420	33.8755	
79	04/30/88 23:59:59	05/31/88 23:59:59	2,079,260	46.5784	
80	05/31/88 23:59:59	06/30/88 23:59:59	2,007,580	46.4718	
81	06/30/88 23:59:59	07/31/88 23:59:59	1,639,250	36.7216	
82	07/31/88 23:59:59	08/31/88 23:59:59	2,076,890	46.5253	
83	08/31/88 23:59:59	09/30/88 23:59:59	2,290,890	53.0299	
84	09/30/88 23:59:59	10/31/88 23:59:59	3,177,500	71.1806	
85	10/31/88 23:59:59	11/30/88 23:59:59	3,484,340	80.6560	
86	11/30/88 23:59:59	12/31/88 23:59:59	3,631,850	81.3586	
87	12/31/88 23:59:59	01/31/89 23:59:59	5,040,590	112.9164	
88	01/31/89 23:59:59	02/28/89 23:59:59	3,000,710	74.4224	
89	02/28/89 23:59:59	03/31/89 23:59:59	3,215,810	72.0388	
90	03/31/89 23:59:59	04/30/89 23:59:59	3,175,920	73.5167	
91	04/30/89 23:59:59	05/31/89 23:59:59	3,898,700	87.3365	
92	05/31/89 23:59:59	06/30/89 23:59:59	3,195,480	73.9694	
93	06/30/89 23:59:59	07/31/89 23:59:59	4,026,890	90.2081	
94	07/31/89 23:59:59	08/31/89 23:59:59	4,378,580	98.0865	

Table 5.1.2-II, WDW-169 Rates Used for Modeling, continued

	Start Date	End Date	Volume gallons	Rate gpm	Comment
95	08/31/89 23:59:59	09/30/89 23:59:59	2,890,370	66.9067	
96	09/30/89 23:59:59	10/01/89 05:15:00	0	0.0000	WDW-169 89 Test Stab
97	10/01/89 05:15:00	10/01/89 11:09:00	53,100	150.0000	WDW-169 89 Test BU
98	10/01/89 11:09:00	10/01/89 16:58:41	0	0.0000	WDW-169 89 Test FO
99	10/01/89 16:58:41	10/31/89 23:59:59	2,655,920	60.8858	
100	10/31/89 23:59:59	11/30/89 23:59:59	2,981,250	69.0104	
101	11/30/89 23:59:59	12/31/89 23:59:59	1,848,780	41.4153	
102	12/31/89 23:59:59	01/31/90 23:59:59	2,947,310	66.0240	
103	01/31/90 23:59:59	02/28/90 23:59:59	2,804,820	69.5640	
104	02/28/90 23:59:59	03/31/90 23:59:59	2,124,820	47.5990	
105	03/31/90 23:59:59	04/30/90 23:59:59	2,696,550	62.4201	
106	04/30/90 23:59:59	05/31/90 23:59:59	3,274,530	73.3542	
107	05/31/90 23:59:59	06/30/90 23:59:59	2,424,290	56.1178	
108	06/30/90 23:59:59	07/31/90 23:59:59	3,584,440	80.2966	
109	07/31/90 23:59:59	08/31/90 23:59:59	3,166,360	70.9310	
110	08/31/90 23:59:59	09/30/90 23:59:59	3,532,810	81.7780	
111	09/30/90 23:59:59	10/31/90 23:59:59	3,331,970	74.6409	
112	10/31/90 23:59:59	11/30/90 23:59:59	2,846,380	65.8884	
113	11/30/90 23:59:59	12/31/90 23:59:59	2,379,070	53.2946	
114	12/31/90 23:59:59	01/31/91 23:59:59	3,423,120	76.6828	
115	01/31/91 23:59:59	02/28/91 23:59:59	2,964,400	73.5218	
116	02/28/91 23:59:59	03/31/91 23:59:59	3,079,710	68.9899	
117	03/31/91 23:59:59	04/30/91 23:59:59	2,874,260	66.5338	
118	04/30/91 23:59:59	05/31/91 23:59:59	2,682,630	60.0948	
119	05/31/91 23:59:59	06/30/91 23:59:59	2,788,200	64.5417	
120	06/30/91 23:59:59	07/31/91 23:59:59	2,089,700	46.8123	
121	07/31/91 23:59:59	08/31/91 23:59:59	2,419,640	54.2034	
122	08/31/91 23:59:59	09/30/91 23:59:59	2,136,540	49.4569	
123	09/30/91 23:59:59	10/25/91 09:00:00	1,692,135	48.2090	
124	10/25/91 09:00:00	10/25/91 13:50:00	13,920	48.0000	WDW-169 91 Test Waste
125	10/25/91 13:50:00	10/25/91 15:52:00	6,588	54.0000	WDW-169 91 Test Brine
126	10/25/91 15:52:00	10/25/91 15:55:00	0	0.0000	WDW-169 91 Test Accidental SI
127	10/25/91 15:55:00	10/25/91 17:00:32	3,342	50.9969	WDW-169 91 Test BU
128	10/25/91 17:00:32	10/27/91 08:11:35	0	0.0000	WDW-169 91 Test FO
129	10/27/91 08:11:35	10/31/91 23:59:59	323,405	48.2090	
130	10/31/91 23:59:59	11/30/91 23:59:59	2,538,490	58.7613	
131	11/30/91 23:59:59	12/31/91 23:59:59	2,832,960	63.4624	
132	12/31/91 23:59:59	01/31/92 23:59:59	3,446,550	77.2077	
133	01/31/92 23:59:59	02/29/92 23:59:59	3,115,430	74.6032	
134	02/29/92 23:59:59	03/31/92 23:59:59	2,927,060	65.5703	
135	03/31/92 23:59:59	04/30/92 23:59:59	3,779,510	87.4887	
136	04/30/92 23:59:59	05/31/92 23:59:59	3,258,460	72.9942	
137	05/31/92 23:59:59	06/30/92 23:59:59	3,649,320	84.4750	
138	06/30/92 23:59:59	07/31/92 23:59:59	3,365,280	75.3871	
139	07/31/92 23:59:59	08/31/92 23:59:59	3,442,160	77.1093	
140	08/31/92 23:59:59	09/30/92 23:59:59	3,552,950	82.2442	
141	09/30/92 23:59:59	10/19/92 22:00:00	1,932,379	70.9390	

Table 5.1.2-II, WDW-169 Rates Used for Modeling, continued

	Start Date	End Date	Volume gallons	Rate gpm	Comment
142	10/19/92 22:00:00	10/20/92 08:00:00	0	0.0000	WDW-169 92 Test Stab
143	10/20/92 08:00:00	10/23/92 07:50:00	344,800	80.0000	WDW-169 92 Test BU
144	10/23/92 07:50:00	10/23/92 12:00:00	20,000	80.0000	WDW-169 92 Test BU
145	10/23/92 12:00:00	10/25/92 07:09:00	0	0.0000	WDW-169 92 Test FO
146	10/25/92 07:09:00	10/31/92 23:59:59	684,631	70.9390	
147	10/31/92 23:59:59	11/30/92 23:59:59	3,986,000	92.2685	
148	11/30/92 23:59:59	12/31/92 23:59:59	3,113,520	69.7473	
149	12/31/92 23:59:59	01/31/93 23:59:59	3,811,000	85.3719	
150	01/31/93 23:59:59	02/28/93 23:59:59	3,341,370	82.8713	
151	02/28/93 23:59:59	03/31/93 23:59:59	4,020,630	90.0679	
152	03/31/93 23:59:59	04/05/93 08:00:00	495,354	79.3834	
153	04/05/93 08:00:00	04/09/93 18:11:00	554,914	87.1000	WDW-249 93 Test Int
154	04/09/93 18:11:00	04/12/93 10:20:00	0	0.0000	WDW-249 93 Test Int
155	04/12/93 10:20:00	04/30/93 23:59:59	2,122,712	79.3834	
156	04/30/93 23:59:59	05/31/93 23:59:59	4,003,900	89.6931	
157	05/31/93 23:59:59	06/30/93 23:59:59	3,410,370	78.9438	
158	06/30/93 23:59:59	07/31/93 23:59:59	2,127,800	47.6658	
159	07/31/93 23:59:59	08/31/93 23:59:59	2,640,090	59.1418	
160	08/31/93 23:59:59	09/30/93 23:59:59	3,308,360	76.5824	
161	09/30/93 23:59:59	10/31/93 23:59:59	3,861,040	86.4928	
162	10/31/93 23:59:59	11/30/93 23:59:59	2,787,640	64.5287	
163	11/30/93 23:59:59	12/01/93 10:00:00	43,930	73.2146	
164	12/01/93 10:00:00	12/03/93 11:32:00	252,620	85.0000	WDW-169 93 Test BU
165	12/03/93 11:32:00	12/04/93 08:45:00	0	0.0000	WDW-169 93 Test FO
166	12/04/93 08:45:00	12/31/93 23:59:59	2,913,560	73.2143	
167	12/31/93 23:59:59	01/31/94 23:59:59	1,677,010	37.5674	
168	01/31/94 23:59:59	02/28/94 23:59:59	2,037,890	50.5429	
169	02/28/94 23:59:59	03/31/94 23:59:59	1,767,900	39.6035	
170	03/31/94 23:59:59	04/06/94 08:00:00	392,433	51.0979	
171	04/06/94 08:00:00	04/09/94 08:51:00	0	0.0000	WDW-249 94 Test
172	04/09/94 08:51:00	04/30/94 23:59:59	1,591,647	51.0979	
173	04/30/94 23:59:59	05/31/94 23:59:59	2,949,730	66.0782	
174	05/31/94 23:59:59	06/30/94 23:59:59	3,066,240	70.9778	
175	06/30/94 23:59:59	07/31/94 23:59:59	3,449,770	77.2798	
176	07/31/94 23:59:59	08/31/94 23:59:59	3,258,350	72.9917	
177	08/31/94 23:59:59	09/10/94 21:32:00	821,035	57.6083	
178	09/10/94 21:32:00	09/10/94 23:38:00	9,677	76.8016	WDW-157 94 Test
179	09/10/94 23:38:00	09/11/94 07:38:00	33,408	69.6000	WDW-157 94 Test
180	09/11/94 07:38:00	09/11/94 22:35:00	53,820	60.0000	WDW-157 94 Test
181	09/11/94 22:35:00	09/12/94 00:26:00	9,546	86.0000	WDW-157 94 Test
182	09/12/94 00:26:00	09/12/94 02:40:00	9,648	72.0000	WDW-157 94 Test
183	09/12/94 02:40:00	09/12/94 13:20:00	61,440	96.0000	WDW-157 94 Test
184	09/12/94 13:20:00	09/12/94 16:17:00	14,018	79.1977	WDW-157 94 Test
185	09/12/94 16:17:00	09/12/94 19:37:00	17,280	86.4000	WDW-157 94 Test
186	09/12/94 19:37:00	09/13/94 02:22:00	29,160	72.0000	WDW-157 94 Test
187	09/13/94 02:22:00	09/13/94 09:33:00	33,101	76.8005	WDW-157 94 Test
188	09/13/94 09:33:00	09/30/94 23:59:59	1,460,197	57.6083	

Table 5.1.2-II, WDW-169 Rates Used for Modeling, continued

	Start Date	End Date	Volume gallons	Rate gpm	Comment
189	09/30/94 23:59:59	10/26/94 07:22:00	3,268,279	89.6844	
190	10/26/94 07:22:00	10/28/94 03:22:00	211,200	80.0000	WDW-169 94 Test BU
191	10/28/94 03:22:00	10/28/94 05:22:00	9,120	76.0000	WDW-169 94 Test BU
192	10/28/94 05:22:00	10/28/94 07:22:00	9,720	81.0000	WDW-169 94 Test BU
193	10/28/94 07:22:00	10/28/94 09:22:00	9,000	75.0000	WDW-169 94 Test BU
194	10/28/94 09:22:00	10/28/94 11:22:00	10,680	89.0000	WDW-169 94 Test BU
195	10/28/94 11:22:00	10/29/94 08:00:24	0	0.0000	WDW-169 94 Test FO
196	10/29/94 08:00:24	10/31/94 23:59:59	344,351	89.6845	
197	10/31/94 23:59:59	11/30/94 23:59:59	3,518,090	81.4373	
198	11/30/94 23:59:59	12/31/94 23:59:59	3,505,240	78.5224	
199	12/31/94 23:59:59	01/31/95 23:59:59	4,040,500	90.5130	
200	01/31/95 23:59:59	02/28/95 23:59:59	2,937,030	72.8430	
201	02/28/95 23:59:59	03/31/95 23:59:59	2,228,630	49.9245	
202	03/31/95 23:59:59	04/30/95 23:59:59	2,199,470	50.9137	
203	04/30/95 23:59:59	05/31/95 23:59:59	2,158,020	48.3427	
204	05/31/95 23:59:59	06/30/95 23:59:59	2,529,430	58.5516	
205	06/30/95 23:59:59	07/31/95 23:59:59	2,356,140	52.7809	
206	07/31/95 23:59:59	08/12/95 07:30:00	814,700	50.0122	
207	08/12/95 07:30:00	08/15/95 11:30:00	0	0.0000	WDW-157 95 Test
208	08/15/95 11:30:00	08/31/95 23:59:59	1,189,790	50.0122	
209	08/31/95 23:59:59	09/30/95 23:59:59	2,155,040	49.8852	
210	09/30/95 23:59:59	10/16/95 20:00:00	1,171,414	51.3778	
211	10/16/95 20:00:00	10/16/95 21:20:00	6,320	79.0003	WDW-169 95 Test
212	10/16/95 21:20:00	10/16/95 22:00:00	2,560	63.9995	WDW-169 95 Test
213	10/16/95 22:00:00	10/16/95 22:30:00	2,610	87.0000	WDW-169 95 Test
214	10/16/95 22:30:00	10/17/95 02:00:00	13,500	64.2857	WDW-169 95 Test
215	10/17/95 02:00:00	10/17/95 18:00:00	0	0.0000	WDW-169 95 Test Stab
216	10/17/95 18:00:00	10/17/95 18:20:00	2,020	101.0101	WDW-169 95 Test BU
217	10/17/95 18:20:00	10/18/95 01:00:00	0	0.0000	WDW-169 95 Test BU
218	10/18/95 01:00:00	10/18/95 01:20:00	2,280	114.0114	WDW-169 95 Test BU
219	10/18/95 01:20:00	10/18/95 02:00:00	6,000	149.9925	WDW-169 95 Test BU
220	10/18/95 02:00:00	10/18/95 06:00:00	0	0.0000	WDW-169 95 Test BU
221	10/18/95 06:00:00	10/18/95 07:00:00	6,060	101.0000	WDW-169 95 Test BU
222	10/18/95 07:00:00	10/19/95 10:00:00	135,900	83.8889	WDW-169 95 Test BU
223	10/19/95 10:00:00	10/19/95 13:30:00	17,220	82.0000	WDW-169 95 Test BU
224	10/19/95 13:30:00	10/20/95 00:01:00	54,346	86.1266	WDW-169 95 Test BU
225	10/20/95 00:01:00	10/20/95 06:00:00	30,157	84.0031	WDW-169 95 Test BU
226	10/20/95 06:00:00	10/20/95 07:25:00	6,800	79.9981	WDW-169 95 Test BU
227	10/20/95 07:25:00	10/20/95 08:00:00	3,010	86.0049	WDW-169 95 Test BU
228	10/20/95 08:00:00	10/20/95 09:04:58	5,567	85.6963	WDW-169 95 Test BU
229	10/20/95 09:04:58	10/20/95 11:16:10	11,087	84.5037	WDW-169 95 Test BU
230	10/20/95 11:16:10	10/21/95 10:19:00	0	0.0000	WDW-169 95 Test FO
231	10/21/95 10:19:00	10/31/95 23:59:59	782,019	51.3777	
232	10/31/95 23:59:59	11/30/95 23:59:59	2,617,530	60.5910	
233	11/30/95 23:59:59	12/31/95 23:59:59	2,597,290	58.1830	
234	12/31/95 23:59:59	01/31/96 23:59:59	2,713,660	60.7899	
235	01/31/96 23:59:59	02/29/96 23:59:59	2,414,360	57.8151	

Table 5.1.2-II, WDW-169 Rates Used for Modeling, continued

	Start Date	End Date	Volume gallons	Rate gpm	Comment
236	02/29/96 23:59:59	03/31/96 23:59:59	2,404,480	53.8638	
237	03/31/96 23:59:59	04/30/96 23:59:59	2,698,680	62.4694	
238	04/30/96 23:59:59	05/28/96 23:59:59	2,239,280	55.5377	
239	05/28/96 23:59:59	05/31/96 23:59:59	0	0.0000	
240	05/31/96 23:59:59	06/21/96 17:59:59	0	0.0000	
241	06/21/96 17:59:59	06/30/96 23:59:59	968,700	72.7252	
242	06/30/96 23:59:59	07/31/96 23:59:59	2,356,510	52.7892	
243	07/31/96 23:59:59	08/19/96 15:00:00	2,243,340	83.6442	
244	08/19/96 15:00:00	08/22/96 11:00:00	146,880	36.0000	WDW-157 96 Test
245	08/22/96 11:00:00	08/31/96 23:59:59	1,149,270	83.6442	
246	08/31/96 23:59:59	09/30/96 23:59:59	2,878,750	66.6377	
247	09/30/96 23:59:59	10/13/96 21:46:00	1,422,165	76.5180	
248	10/13/96 21:46:00	10/14/96 19:30:00	0	0.0000	WDW-169 96 Test Stab
249	10/14/96 19:30:00	10/14/96 20:15:00	4,620	102.6667	WDW-169 96 Test BU Waste
250	10/14/96 20:15:00	10/14/96 23:21:00	26,857	144.3925	WDW-169 96 Test BU Waste
251	10/14/96 23:21:00	10/15/96 02:33:00	24,334	126.7396	WDW-169 96 Test BU Waste
252	10/15/96 02:33:00	10/15/96 04:09:00	13,938	145.1875	WDW-169 96 Test BU Waste
253	10/15/96 04:09:00	10/15/96 05:03:00	3,292	60.9630	WDW-169 96 Test BU Waste
254	10/15/96 05:03:00	10/15/96 06:03:00	4,524	75.4000	WDW-169 96 Test BU Waste
255	10/15/96 06:03:00	10/15/96 09:15:00	16,787	87.4323	WDW-169 96 Test BU Waste
256	10/15/96 09:15:00	10/15/96 11:09:00	13,716	120.3158	WDW-169 96 Test BU Waste
257	10/15/96 11:09:00	10/15/96 13:57:00	0	0.0000	WDW-169 96 Test BU Waste
258	10/15/96 13:57:00	10/15/96 15:18:00	9,161	113.0988	WDW-169 96 Test BU Waste
259	10/15/96 15:18:00	10/15/96 16:51:00	7,460	80.2151	WDW-169 96 Test BU Waste
260	10/15/96 16:51:00	10/15/96 20:03:00	19,713	102.6719	WDW-169 96 Test BU Waste
261	10/15/96 20:03:00	10/15/96 23:06:00	10,863	59.3607	WDW-169 96 Test BU Waste
262	10/15/96 23:06:00	10/16/96 01:54:00	12,398	73.7976	WDW-169 96 Test BU Waste
263	10/16/96 01:54:00	10/16/96 02:03:00	173	19.2222	WDW-169 96 Test BU Waste
264	10/16/96 02:03:00	10/16/96 03:27:00	13,746	163.6429	WDW-169 96 Test BU Waste
265	10/16/96 03:27:00	10/16/96 04:45:00	11,888	152.4103	WDW-169 96 Test BU Waste
266	10/16/96 04:45:00	10/16/96 05:39:00	6,411	118.7222	WDW-169 96 Test BU Waste
267	10/16/96 05:39:00	10/16/96 07:57:00	0	0.0000	WDW-169 96 Test
268	10/16/96 07:57:00	10/18/96 11:03:00	257,943	84.1301	WDW-169 96 Test BU Brine
269	10/18/96 11:03:00	10/19/96 05:16:42	0	0.0000	WDW-169 96 Test FO
270	10/19/96 05:16:42	10/31/96 23:59:59	1,408,181	76.5180	
271	10/31/96 23:59:59	11/30/96 23:59:59	3,207,970	74.2586	
272	11/30/96 23:59:59	12/31/96 23:59:59	3,471,760	77.7724	
273	12/31/96 23:59:59	01/31/97 23:59:59	3,699,690	82.8784	
274	01/31/97 23:59:59	02/28/97 23:59:59	3,977,940	98.6592	
275	02/28/97 23:59:59	03/31/97 23:59:59	3,609,670	80.8618	
276	03/31/97 23:59:59	04/30/97 23:59:59	4,145,390	95.9581	
277	04/30/97 23:59:59	05/31/97 23:59:59	3,940,710	88.2776	
278	05/31/97 23:59:59	06/30/97 23:59:59	3,274,440	75.7972	
279	06/30/97 23:59:59	07/31/97 23:59:59	3,365,110	75.3833	
280	07/31/97 23:59:59	08/31/97 23:59:59	2,857,000	64.0009	
281	08/31/97 23:59:59	09/30/97 23:59:59	3,331,550	77.1192	
282	09/30/97 23:59:59	10/31/97 23:59:59	3,203,160	71.7554	

Table 5.1.2-II, WDW-169 Rates Used for Modeling, continued

	Start Date	End Date	Volume gallons	Rate gpm	Comment
283	10/31/97 23:59:59	11/30/97 23:59:59	2,851,280	66.0019	
284	11/30/97 23:59:59	12/10/97 14:30:00	890,660	64.4005	WDW-157 97 Test
285	12/10/97 14:30:00	12/10/97 18:03:00	14,910	70.0000	WDW-157 97 Test
286	12/10/97 18:03:00	12/11/97 00:18:00	24,375	65.0000	WDW-157 97 Test
287	12/11/97 00:18:00	12/11/97 00:33:00	1,020	68.0000	WDW-157 97 Test
288	12/11/97 00:33:00	12/11/97 02:48:00	9,450	70.0000	WDW-157 97 Test
289	12/11/97 02:48:00	12/11/97 05:33:00	10,725	65.0000	WDW-157 97 Test
290	12/11/97 05:33:00	12/11/97 06:48:00	5,100	68.0000	WDW-157 97 Test
291	12/11/97 06:48:00	12/11/97 23:33:00	70,350	70.0000	WDW-157 97 Test
292	12/11/97 23:33:00	12/12/97 05:48:00	28,125	75.0000	WDW-157 97 Test
293	12/12/97 05:48:00	12/12/97 06:33:00	3,263	72.5111	WDW-157 97 Test
294	12/12/97 06:33:00	12/12/97 07:03:00	2,250	75.0000	WDW-157 97 Test
295	12/12/97 07:03:00	12/12/97 07:33:00	2,175	72.5000	WDW-157 97 Test
296	12/12/97 07:33:00	12/12/97 10:30:00	13,275	75.0000	WDW-157 97 Test
297	12/12/97 10:30:00	12/31/97 23:59:59	1,814,162	64.4005	
298	12/31/97 23:59:59	01/31/98 23:59:59	3,559,000	79.7267	
299	01/31/98 23:59:59	02/28/98 23:59:59	2,652,470	65.7855	
300	02/28/98 23:59:59	03/31/98 23:59:59	2,633,700	58.9987	
301	03/31/98 23:59:59	04/15/98 18:30:00	1,235,409	58.0822	WDW-249 98 Test
302	04/15/98 18:30:00	04/16/98 05:00:00	45,360	72.0000	WDW-249 98 Test
303	04/16/98 05:00:00	04/16/98 05:30:00	0	0.0000	WDW-249 98 Test
304	04/16/98 05:30:00	04/16/98 06:30:00	3,960	66.0000	WDW-249 98 Test
305	04/16/98 06:30:00	04/16/98 07:00:00	1,800	60.0000	WDW-249 98 Test
306	04/16/98 07:00:00	04/16/98 14:00:00	30,240	72.0000	WDW-249 98 Test
307	04/16/98 14:00:00	04/16/98 17:00:00	12,420	69.0000	WDW-249 98 Test
308	04/16/98 17:00:00	04/16/98 18:30:00	6,480	72.0000	WDW-249 98 Test
309	04/16/98 18:30:00	04/16/98 21:30:00	11,340	63.0000	WDW-249 98 Test
310	04/16/98 21:30:00	04/16/98 22:00:00	1,800	60.0000	WDW-249 98 Test
311	04/16/98 22:00:00	04/17/98 02:30:00	19,440	72.0000	WDW-249 98 Test
312	04/17/98 02:30:00	04/17/98 03:30:00	4,140	69.0000	WDW-249 98 Test
313	04/17/98 03:30:00	04/17/98 06:00:00	10,800	72.0000	WDW-249 98 Test
314	04/17/98 06:00:00	04/17/98 07:00:00	4,140	69.0000	WDW-249 98 Test
315	04/17/98 07:00:00	04/17/98 08:00:00	3,960	66.0000	WDW-249 98 Test
316	04/17/98 08:00:00	04/17/98 09:30:00	5,400	60.0000	WDW-249 98 Test
317	04/17/98 09:30:00	04/17/98 11:00:00	6,210	69.0000	WDW-249 98 Test
318	04/17/98 11:00:00	04/17/98 13:30:00	9,000	60.0000	WDW-249 98 Test
319	04/17/98 13:30:00	04/17/98 15:30:00	8,640	72.0000	WDW-249 98 Test
320	04/17/98 15:30:00	04/17/98 17:00:00	5,670	63.0000	WDW-249 98 Test
321	04/17/98 17:00:00	04/17/98 19:00:00	8,640	72.0000	WDW-249 98 Test
322	04/17/98 19:00:00	04/17/98 21:30:00	9,900	66.0000	WDW-249 98 Test
323	04/17/98 21:30:00	04/18/98 01:00:00	15,120	72.0000	WDW-249 98 Test
324	04/18/98 01:00:00	04/18/98 02:30:00	5,940	66.0000	WDW-249 98 Test
325	04/18/98 02:30:00	04/18/98 06:30:00	17,280	72.0000	WDW-249 98 Test
326	04/18/98 06:30:00	04/18/98 08:00:00	5,940	66.0000	WDW-249 98 Test
327	04/18/98 08:00:00	04/18/98 13:30:00	23,760	72.0000	WDW-249 98 Test
328	04/18/98 13:30:00	04/18/98 14:30:00	4,140	69.0000	WDW-249 98 Test
329	04/18/98 14:30:00	04/18/98 17:00:00	9,900	66.0000	WDW-249 98 Test

Table 5.1.2-II, WDW-169 Rates Used for Modeling, continued

	Start Date	End Date	Volume gallons	Rate gpm	Comment
330	04/18/98 17:00:00	04/18/98 20:00:00	12,960	72.0000	WDW-249 98 Test
331	04/18/98 20:00:00	04/18/98 21:30:00	5,940	66.0000	WDW-249 98 Test
332	04/18/98 21:30:00	04/18/98 23:30:00	8,640	72.0000	WDW-249 98 Test
333	04/18/98 23:30:00	04/19/98 01:00:00	5,940	66.0000	WDW-249 98 Test
334	04/19/98 01:00:00	04/19/98 01:30:00	2,160	72.0000	WDW-249 98 Test
335	04/19/98 01:30:00	04/30/98 23:59:59	998,431	58.0821	
336	04/30/98 23:59:59	05/31/98 23:59:59	2,381,560	53.3504	
337	05/31/98 23:59:59	06/30/98 23:59:59	2,446,820	56.6394	
338	06/30/98 23:59:59	07/31/98 23:59:59	2,930,160	65.6398	
339	07/31/98 23:59:59	08/31/98 23:59:59	2,967,710	66.4810	
340	08/31/98 23:59:59	09/13/98 06:06:52	1,064,134	60.3015	
341	09/13/98 06:06:52	09/13/98 11:27:12	19,813	61.8499	WDW-157 98 Test
342	09/13/98 11:27:12	09/13/98 13:53:26	0	0.0000	WDW-157 98 Test
343	09/13/98 13:53:26	09/13/98 14:13:14	1,194	60.3034	WDW-157 98 Test
344	09/13/98 14:13:14	09/13/98 15:15:48	5,267	84.1640	WDW-157 98 Test
345	09/13/98 15:15:48	09/13/98 15:37:53	1,564	70.8333	WDW-157 98 Test
346	09/13/98 15:37:53	09/13/98 15:43:28	201	36.0223	WDW-157 98 Test
347	09/13/98 15:43:28	09/13/98 16:32:40	0	0.0000	WDW-157 98 Test
348	09/13/98 16:32:40	09/13/98 17:00:56	1,484	52.5123	WDW-157 98 Test
349	09/13/98 17:00:56	09/13/98 17:32:36	2,041	64.4255	WDW-157 98 Test
350	09/13/98 17:32:36	09/13/98 23:12:16	27,030	79.5796	WDW-157 98 Test
351	09/13/98 23:12:16	09/14/98 03:44:58	19,029	69.7800	WDW-157 98 Test
352	09/14/98 03:44:58	09/14/98 07:01:42	0	0.0000	WDW-157 98 Test
353	09/14/98 07:01:42	09/14/98 19:01:06	60,106	83.5502	WDW-157 98 Test
354	09/14/98 19:01:06	09/14/98 19:52:14	4,137	80.9272	WDW-157 98 Test
355	09/14/98 19:52:14	09/14/98 22:49:46	15,299	86.1721	WDW-157 98 Test
356	09/14/98 22:49:46	09/15/98 00:21:27	7,440	81.1508	WDW-157 98 Test
357	09/15/98 00:21:27	09/15/98 01:47:33	6,272	72.8455	WDW-157 98 Test
358	09/15/98 01:47:33	09/15/98 03:04:39	4,983	64.6304	WDW-157 98 Test
359	09/15/98 03:04:39	09/15/98 03:45:41	3,678	89.6199	WDW-157 98 Test
360	09/15/98 03:45:41	09/15/98 06:42:30	14,206	80.3416	WDW-157 98 Test
361	09/15/98 06:42:30	09/15/98 07:39:23	4,713	82.8586	WDW-157 98 Test
362	09/15/98 07:39:23	09/15/98 08:54:02	4,169	55.8548	WDW-157 98 Test
363	09/15/98 08:54:02	09/15/98 11:08:08	7,715	57.5316	WDW-157 98 Test
364	09/15/98 11:08:08	09/15/98 11:49:35	2,263	54.5827	WDW-157 98 Test
365	09/15/98 11:49:35	09/15/98 14:22:21	8,978	58.7719	WDW-157 98 Test
366	09/15/98 14:22:21	09/15/98 14:33:30	369	33.0645	WDW-157 98 Test
367	09/15/98 14:33:30	09/15/98 15:29:47	3,194	56.7520	WDW-157 98 Test
368	09/15/98 15:29:47	09/15/98 20:02:36	16,159	59.2296	WDW-157 98 Test
369	09/15/98 20:02:36	09/15/98 20:18:12	409	26.2179	WDW-157 98 Test
370	09/15/98 20:18:12	09/16/98 00:30:52	15,723	62.2299	WDW-157 98 Test
371	09/16/98 00:30:52	09/16/98 00:45:05	249	17.5105	WDW-157 98 Test
372	09/16/98 00:45:05	09/16/98 01:01:14	554	34.3247	WDW-157 98 Test
373	09/16/98 01:01:14	09/16/98 02:41:15	6,341	63.3973	WDW-157 98 Test
374	09/16/98 02:41:15	09/16/98 02:56:11	345	23.0926	WDW-157 98 Test
375	09/16/98 02:56:11	09/16/98 03:27:30	2,091	66.7623	WDW-157 98 Test
376	09/16/98 03:27:30	09/16/98 03:42:02	913	62.8790	WDW-157 98 Test

Table 5.1.2-II, WDW-169 Rates Used for Modeling, continued

	Start Date	End Date	Volume gallons	Rate gpm	Comment
377	09/16/98 03:42:02	09/16/98 06:53:26	11,141	58.2079	WDW-157 98 Test
378	09/16/98 06:53:26	09/16/98 07:16:10	1,271	55.8928	WDW-157 98 Test
379	09/16/98 07:16:10	09/16/98 07:50:26	2,157	62.9596	WDW-157 98 Test
380	09/16/98 07:50:26	09/16/98 09:37:28	7,304	68.2361	WDW-157 98 Test
381	09/16/98 09:37:28	09/16/98 11:48:45	8,044	61.2736	WDW-157 98 Test
382	09/16/98 11:48:45	09/16/98 12:21:16	1,648	50.6766	WDW-157 98 Test
383	09/16/98 12:21:16	09/16/98 12:43:28	1,395	62.8380	WDW-157 98 Test
384	09/16/98 12:43:28	09/16/98 12:58:10	730	49.6597	WDW-157 98 Test
385	09/16/98 12:58:10	09/16/98 13:28:06	1,641	54.8095	WDW-157 98 Test
386	09/16/98 13:28:06	09/16/98 16:10:35	10,262	63.1585	WDW-157 98 Test
387	09/16/98 16:10:35	09/16/98 17:05:29	2,625	47.8143	WDW-157 98 Test
388	09/16/98 17:05:29	09/16/98 18:38:58	3,759	40.2118	WDW-157 98 Test
389	09/16/98 18:38:58	09/16/98 19:12:27	1,755	52.4192	WDW-157 98 Test
390	09/16/98 19:12:27	09/16/98 19:59:26	2,582	54.9598	WDW-157 98 Test
391	09/16/98 19:59:26	09/16/98 20:18:05	986	52.8401	WDW-157 98 Test
392	09/16/98 20:18:05	09/16/98 20:40:42	1,347	59.5486	WDW-157 98 Test
393	09/16/98 20:40:42	09/16/98 20:44:22	125	34.1547	WDW-157 98 Test
394	09/16/98 20:44:22	09/16/98 20:51:02	0	0.0000	WDW-157 98 Test
395	09/16/98 20:51:02	09/16/98 21:04:10	555	42.2371	WDW-157 98 Test
396	09/16/98 21:04:10	09/16/98 21:19:03	1,082	72.7148	WDW-157 98 Test
397	09/16/98 21:19:03	09/16/98 21:47:04	1,741	62.1343	WDW-157 98 Test
398	09/16/98 21:47:04	09/16/98 23:31:57	5,978	56.9984	WDW-157 98 Test
399	09/16/98 23:31:57	09/30/98 23:59:59	1,217,369	60.3015	
400	09/30/98 23:59:59	10/14/98 07:00:00	1,283,858	67.0772	WDW-169 98 Test
401	10/14/98 07:00:00	10/16/98 13:26:00	228,620	70.0000	WDW-169 98 Test BU
402	10/16/98 13:26:00	10/17/98 07:10:00	0	0.0000	WDW-169 98 Test FO
403	10/17/98 07:10:00	10/31/98 23:59:59	1,420,022	67.0771	
404	10/31/98 23:59:59	11/30/98 23:59:59	2,285,120	52.8963	
405	11/30/98 23:59:59	12/31/98 23:59:59	2,717,030	60.8654	
406	12/31/98 23:59:59	01/27/99 15:30:00	2,312,654	60.2724	WDW-249 99 Test
407	01/27/99 15:30:00	01/30/99 09:00:00	0	0.0000	WDW-249 99 Test
408	01/30/99 09:00:00	01/31/99 23:59:59	141,036	60.2722	
409	01/31/99 23:59:59	02/28/99 23:59:59	2,414,300	59.8785	
410	02/28/99 23:59:59	03/31/99 23:59:59	3,722,050	83.3793	
411	03/31/99 23:59:59	04/30/99 23:59:59	3,473,380	80.4023	
412	04/30/99 23:59:59	05/31/99 23:59:59	3,346,080	74.9570	
413	05/31/99 23:59:59	06/30/99 23:59:59	3,447,490	79.8030	
414	06/30/99 23:59:59	07/31/99 23:59:59	2,712,310	60.7596	
415	07/31/99 23:59:59	08/31/99 23:59:59	2,828,910	63.3716	
416	08/31/99 23:59:59	09/17/99 20:59:59	1,358,559	55.9078	WDW-157 99 Test
417	09/17/99 20:59:59	09/18/99 06:25:11	37,642	66.5980	WDW-157 99 Test
418	09/18/99 06:25:11	09/18/99 08:51:25	0	0.0000	WDW-157 99 Test
419	09/18/99 08:51:25	09/18/99 10:41:27	8,227	74.7638	WDW-157 99 Test
420	09/18/99 10:41:27	09/18/99 11:30:39	0	0.0000	WDW-157 99 Test
421	09/18/99 11:30:39	09/18/99 22:42:57	49,584	73.7528	WDW-157 99 Test
422	09/18/99 22:42:57	09/19/99 01:59:41	0	0.0000	WDW-157 99 Test
423	09/19/99 01:59:41	09/20/99 21:54:10	187,299	71.0952	WDW-157 99 Test

Table 5.1.2-II, WDW-169 Rates Used for Modeling, continued

	Start Date	End Date	Volume gallons	Rate gpm	Comment
424	09/20/99 21:54:10	09/21/99 06:46:44	32,921	61.8165	WDW-157 99 Test
425	09/21/99 06:46:44	09/21/99 07:19:15	1,648	50.6766	WDW-157 99 Test
426	09/21/99 07:19:15	09/21/99 07:41:27	1,395	62.8380	WDW-157 99 Test
427	09/21/99 07:41:27	09/21/99 07:56:09	730	49.6597	WDW-157 99 Test
428	09/21/99 07:56:09	09/21/99 08:26:05	2,371	79.1916	WDW-157 99 Test
429	09/21/99 08:26:05	09/21/99 11:08:34	10,262	63.1585	WDW-157 99 Test
430	09/21/99 11:08:34	09/21/99 12:03:28	2,625	47.8143	WDW-157 99 Test
431	09/21/99 12:03:28	09/21/99 13:36:57	3,759	40.2118	WDW-157 99 Test
432	09/21/99 13:36:57	09/21/99 14:10:26	1,755	52.4192	WDW-157 99 Test
433	09/21/99 14:10:26	09/21/99 14:57:25	2,582	54.9598	WDW-157 99 Test
434	09/21/99 14:57:25	09/21/99 15:16:04	986	52.8401	WDW-157 99 Test
435	09/21/99 15:16:04	09/21/99 15:38:41	1,347	59.5486	WDW-157 99 Test
436	09/21/99 15:38:41	09/21/99 15:42:21	125	34.1547	WDW-157 99 Test
437	09/21/99 15:42:21	09/21/99 15:49:01	0	0.0000	WDW-157 99 Test
438	09/21/99 15:49:01	09/21/99 16:02:09	555	42.2371	WDW-157 99 Test
439	09/21/99 16:02:09	09/21/99 16:17:02	1,082	72.7148	WDW-157 99 Test
440	09/21/99 16:17:02	09/21/99 16:45:03	1,741	62.1343	WDW-157 99 Test
441	09/21/99 16:45:03	09/21/99 18:29:56	9,107	86.8325	WDW-157 99 Test
442	09/21/99 18:29:56	09/30/99 23:59:59	743,018	55.9078	
443	09/30/99 23:59:59	10/31/99 23:59:59	2,339,427	52.4065	
444	10/31/99 23:59:59	11/12/99 08:00:40	1,011,884	62.0001	
445	11/12/99 08:00:40	11/30/99 23:59:59	0	0.0000	WDW-169 Workover
446	11/30/99 23:59:59	12/20/99 12:00:00	0	0.0000	WDW-169 Workover
447	12/20/99 12:00:00	12/31/99 23:59:59	443,472	26.7797	
448	12/31/99 23:59:59	01/06/00 08:00:00	288,630	37.5819	
449	01/06/00 08:00:00	01/31/00 23:59:59	0	0.0000	
450	01/31/00 23:59:59	02/22/00 19:06:00	0	0.0000	WDW-169 Workover
451	02/22/00 19:06:00	02/29/00 23:59:59	1,222,135	117.8077	
452	02/29/00 23:59:59	03/01/00 10:18:00	43,261	69.9997	WDW-169 00 Test BU
453	03/01/00 10:18:00	03/02/00 08:26:00	0	0.0000	WDW-169 00 Test FO
454	03/02/00 08:26:00	03/31/00 23:59:59	2,725,274	63.8327	
455	03/31/00 23:59:59	04/30/00 23:59:59	2,527,582	58.5088	
456	04/30/00 23:59:59	05/31/00 23:59:59	2,151,167	48.1892	
457	05/31/00 23:59:59	06/30/00 23:59:59	2,151,729	49.8085	
458	06/30/00 23:59:59	07/14/00 18:44:59	0	0.0000	
459	07/14/00 18:44:59	07/31/00 23:59:59	1,220,647	49.2296	
460	07/31/00 23:59:59	08/31/00 23:59:59	2,052,760	45.9848	
461	08/31/00 23:59:59	09/30/00 23:59:59	2,212,798	51.2222	
462	09/30/00 23:59:59	10/10/00 17:04:36	740,909	52.9803	
463	10/10/00 17:04:36	10/12/00 12:20:19	124,281	47.8793	WDW-157 00 Test
464	10/12/00 12:20:19	10/12/00 15:34:05	7,167	36.9858	WDW-157 00 Test
465	10/12/00 15:34:05	10/12/00 18:14:00	7,014	43.8618	WDW-157 00 Test
466	10/12/00 18:14:00	10/12/00 21:44:33	7,478	35.5169	WDW-157 00 Test
467	10/12/00 21:44:33	10/13/00 05:41:08	13,802	28.9607	WDW-157 00 Test
468	10/13/00 05:41:08	10/13/00 12:43:13	12,759	30.2283	WDW-157 00 Test
469	10/13/00 12:43:13	10/31/00 23:59:59	1,409,105	52.9803	
470	10/31/00 23:59:59	11/30/00 23:59:59	4,407,742	102.0311	

Table 5.1.2-II, WDW-169 Rates Used for Modeling, continued

	Start Date	End Date	Volume gallons	Rate gpm	Comment
471	11/30/00 23:59:59	12/31/00 23:59:59	2,680,346	60.0436	
472	12/31/00 23:59:59	01/31/01 23:59:59	2,220,598	49.7446	
473	01/31/01 23:59:59	02/28/01 23:59:59	2,048,678	50.8105	
474	02/28/01 23:59:59	03/15/01 13:19:00	1,723,221	82.2186	
475	03/15/01 13:19:00	03/15/01 15:19:00	5,400	45.0000	WDW-169 01 Test BU
476	03/15/01 15:19:00	03/15/01 17:19:00	6,360	53.0000	WDW-169 01 Test BU
477	03/15/01 17:19:00	03/15/01 19:19:00	6,840	57.0000	WDW-169 01 Test BU
478	03/15/01 19:19:00	03/15/01 21:19:00	6,600	55.0000	WDW-169 01 Test BU
479	03/15/01 21:19:00	03/15/01 23:19:00	6,120	51.0000	WDW-169 01 Test BU
480	03/15/01 23:19:00	03/16/01 01:19:00	6,600	55.0000	WDW-169 01 Test BU
481	03/16/01 01:19:00	03/16/01 03:19:00	8,280	69.0000	WDW-169 01 Test BU
482	03/16/01 03:19:00	03/16/01 05:19:00	7,440	62.0000	WDW-169 01 Test BU
483	03/16/01 05:19:00	03/16/01 07:19:00	4,560	38.0000	WDW-169 01 Test BU
484	03/16/01 07:19:00	03/16/01 09:19:00	5,760	48.0000	WDW-169 01 Test BU
485	03/16/01 09:19:00	03/16/01 11:19:00	7,560	63.0000	WDW-169 01 Test BU
486	03/16/01 11:19:00	03/16/01 13:19:00	6,480	54.0000	WDW-169 01 Test BU
487	03/16/01 13:19:00	03/16/01 17:19:00	14,400	60.0000	WDW-169 01 Test BU
488	03/16/01 17:19:00	03/17/01 11:33:00	0	0.0000	WDW-169 01 Test FO
489	03/17/01 11:33:00	03/31/01 23:59:59	1,718,943	82.2186	
490	03/31/01 23:59:59	04/30/01 23:59:59	2,152,945	49.8367	
491	04/30/01 23:59:59	05/31/01 23:59:59	2,205,857	49.4144	
492	05/31/01 23:59:59	06/30/01 23:59:59	2,361,355	54.6610	
493	06/30/01 23:59:59	07/31/01 23:59:59	2,342,425	52.4737	
494	07/31/01 23:59:59	08/31/01 23:59:59	3,111,488	69.7018	
495	08/31/01 23:59:59	09/15/01 23:59:59	1,163,214	53.8525	
496	09/15/01 23:59:59	09/16/01 05:54:17	20,372	57.4993	WDW-157 01 Test
497	09/16/01 05:54:17	09/17/01 13:39:17	92,199	48.3984	WDW-157 01 Test
498	09/17/01 13:39:17	09/17/01 15:24:17	3,690	35.1429	WDW-157 01 Test
499	09/17/01 15:24:17	09/17/01 17:19:17	2,846	24.7478	WDW-157 01 Test
500	09/17/01 17:19:17	09/17/01 19:09:17	1,890	17.1818	WDW-157 01 Test
501	09/17/01 19:09:17	09/17/01 21:24:17	7,017	51.9778	WDW-157 01 Test
502	09/17/01 21:24:17	09/18/01 17:59:17	52,765	42.7247	WDW-157 01 Test
503	09/18/01 17:59:17	09/19/01 00:54:17	17,221	41.4964	WDW-157 01 Test
504	09/19/01 00:54:17	09/19/01 11:54:17	32,467	49.1924	WDW-157 01 Test
505	09/19/01 11:54:17	09/30/01 23:59:59	892,106	53.8526	
506	09/30/01 23:59:59	10/31/01 23:59:59	1,658,985	37.1636	
507	10/31/01 23:59:59	11/30/01 23:59:59	966,706	22.3775	
508	11/30/01 23:59:59	12/31/01 23:59:59	1,367,785	30.6403	
509	12/31/01 23:59:59	01/31/02 23:59:59	1,058,997	23.7231	
510	01/31/02 23:59:59	02/28/02 23:59:59	981,873	24.3520	
511	02/28/02 23:59:59	03/11/02 18:45:19	383,344	24.6915	WDW-249 02 Test
512	03/11/02 18:45:19	03/14/02 10:16:00	0	0.0000	WDW-249 02 Test
513	03/14/02 10:16:00	03/31/02 23:59:59	624,794	24.6915	
514	03/31/02 23:59:59	04/30/02 23:59:59	1,183,386	27.3932	
515	04/30/02 23:59:59	05/31/02 23:59:59	1,533,369	34.3497	
516	05/31/02 23:59:59	06/30/02 23:59:59	1,235,416	28.5976	
517	06/30/02 23:59:59	07/31/02 23:59:59	1,534,373	34.3722	

Table 5.1.2-II, WDW-169 Rates Used for Modeling, continued

	Start Date	End Date	Volume gallons	Rate gpm	Comment
518	07/31/02 23:59:59	08/31/02 23:59:59	1,902,747	42.6243	
519	08/31/02 23:59:59	09/30/02 23:59:59	1,867,714	43.2341	
520	09/30/02 23:59:59	10/31/02 23:59:59	1,787,430	40.0410	
521	10/31/02 23:59:59	11/30/02 23:59:59	2,831,697	65.5485	
522	11/30/02 23:59:59	12/31/02 23:59:59	1,856,278	41.5833	
523	12/31/02 23:59:59	01/03/03 17:25:33	178,627	45.5035	
524	01/03/03 17:25:33	01/05/03 17:25:33	144,000	50.0000	WDW-169 03 Test BU
525	01/05/03 17:25:33	01/06/03 08:59:00	0	0.0000	WDW-169 03 Test FO
526	01/06/03 08:59:00	01/08/03 08:46:00	0	0.0000	WDW-249 03 Test
527	01/08/03 08:46:00	01/31/03 23:59:59	1,548,665	45.5035	
528	01/31/03 23:59:59	02/28/03 23:59:59	1,666,152	41.3232	
529	02/28/03 23:59:59	03/31/03 23:59:59	1,505,545	33.7264	
530	03/31/03 23:59:59	04/30/03 23:59:59	1,243,065	28.7747	
531	04/30/03 23:59:59	05/31/03 23:59:59	1,580,246	35.3998	
532	05/31/03 23:59:59	06/30/03 23:59:59	1,546,220	35.7921	
533	06/30/03 23:59:59	07/31/03 23:59:59	1,844,934	41.3292	
534	07/31/03 23:59:59	08/31/03 23:59:59	1,643,941	36.8266	
535	08/31/03 23:59:59	09/30/03 23:59:59	1,688,013	39.0744	
536	09/30/03 23:59:59	10/22/03 08:51:06	1,449,556	47.1077	WDW-157 03 Test
537	10/22/03 08:51:06	10/22/03 23:59:49	29,781	32.7728	WDW-157 03 Test
538	10/22/03 23:59:49	10/23/03 17:07:34	32,819	31.9331	WDW-157 03 Test
539	10/23/03 17:07:34	10/24/03 23:59:49	63,817	34.4536	WDW-157 03 Test
540	10/24/03 23:59:49	10/31/03 23:59:59	474,854	47.1078	
541	10/31/03 23:59:59	11/30/03 23:59:59	2,110,086	48.8446	
542	11/30/03 23:59:59	12/31/03 23:59:59	1,462,704	32.7667	
543	12/31/03 23:59:59	01/03/04 08:00:00	85,105	25.3287	WDW-169 04 Test BU
544	01/03/04 08:00:00	01/03/04 10:00:00	9,120	76.0000	WDW-169 04 Test BU
545	01/03/04 10:00:00	01/03/04 12:00:00	9,000	75.0000	WDW-169 04 Test BU
546	01/03/04 12:00:00	01/03/04 18:00:00	26,640	74.0000	WDW-169 04 Test BU
547	01/03/04 18:00:00	01/03/04 22:00:00	17,520	73.0000	WDW-169 04 Test BU
548	01/03/04 22:00:00	01/04/04 00:00:00	9,000	75.0000	WDW-169 04 Test BU
549	01/04/04 00:00:00	01/04/04 02:00:00	8,640	72.0000	WDW-169 04 Test BU
550	01/04/04 02:00:00	01/04/04 04:00:00	9,000	75.0000	WDW-169 04 Test BU
551	01/04/04 04:00:00	01/04/04 06:00:00	8,760	73.0000	WDW-169 04 Test BU
552	01/04/04 06:00:00	01/04/04 12:00:00	23,400	65.0000	WDW-169 04 Test BU
553	01/04/04 12:00:00	01/04/04 18:00:00	23,760	66.0000	WDW-169 04 Test BU
554	01/04/04 18:00:00	01/04/04 22:00:00	15,360	64.0000	WDW-169 04 Test BU
555	01/04/04 22:00:00	01/05/04 00:00:00	8,160	68.0000	WDW-169 04 Test BU
556	01/05/04 00:00:00	01/05/04 02:00:00	8,040	67.0000	WDW-169 04 Test BU
557	01/05/04 02:00:00	01/05/04 04:00:00	7,680	64.0000	WDW-169 04 Test BU
558	01/05/04 04:00:00	01/05/04 06:00:00	7,920	66.0000	WDW-169 04 Test BU
559	01/05/04 06:00:00	01/05/04 08:00:00	7,680	64.0000	WDW-169 04 Test BU
560	01/05/04 08:00:00	01/05/04 08:30:00	2,040	68.0000	WDW-169 04 Test BU
561	01/05/04 08:30:00	01/05/04 11:01:00	9,211	61.0000	WDW-169 04 Test BU
562	01/05/04 11:01:00	01/06/04 08:31:42	0	0.0000	WDW-169 04 Test FO
563	01/06/04 08:31:42	01/23/04 23:59:59	0	0.0000	
564	01/23/04 23:59:59	01/31/04 23:59:59	146,592	12.7250	

Table 5.1.2-II, WDW-169 Rates Used for Modeling, continued

	Start Date	End Date	Volume gallons	Rate gpm	Comment
565	01/31/04 23:59:59	02/29/04 23:59:59	1,723,802	41.2788	
566	02/29/04 23:59:59	03/31/04 23:59:59	1,975,717	44.2589	
567	03/31/04 23:59:59	04/30/04 23:59:59	1,828,949	42.3368	
568	04/30/04 23:59:59	05/31/04 23:59:59	1,942,842	43.5224	
569	05/31/04 23:59:59	06/30/04 23:59:59	2,458,838	56.9175	
570	06/30/04 23:59:59	07/31/04 23:59:59	2,269,502	50.8401	
571	07/31/04 23:59:59	08/31/04 23:59:59	2,671,595	59.8476	
572	08/31/04 23:59:59	09/30/04 23:59:59	2,098,567	48.5779	
573	09/30/04 23:59:59	10/31/04 23:59:59	2,036,968	45.6310	
574	10/31/04 23:59:59	11/30/04 23:59:59	1,911,694	44.2522	
575	11/30/04 23:59:59	12/31/04 23:59:59	1,846,729	41.3694	
576	12/31/04 23:59:59	01/08/05 06:00:00	425,551	40.7615	
577	01/08/05 06:00:00	01/10/05 11:30:00	179,760	56.0000	WDW-169 05 Test BU
578	01/10/05 11:30:00	01/11/05 08:35:10	0	0.0000	WDW-169 05 Test FO
579	01/11/05 08:35:10	01/31/05 23:59:59	1,211,630	40.7616	
580	01/31/05 23:59:59	02/28/05 23:59:59	2,002,050	49.6540	
581	02/28/05 23:59:59	03/31/05 23:59:59	2,503,503	56.0821	
582	03/31/05 23:59:59	04/30/05 23:59:59	1,806,090	41.8076	
583	04/30/05 23:59:59	05/31/05 23:59:59	2,337,884	52.3720	
584	05/31/05 23:59:59	06/30/05 23:59:59	2,425,371	56.1428	
585	06/30/05 23:59:59	07/31/05 23:59:59	2,016,237	45.1666	
586	07/31/05 23:59:59	08/31/05 23:59:59	2,230,387	49.9639	
587	08/31/05 23:59:59	09/30/05 23:59:59	1,883,149	43.5914	
588	09/30/05 23:59:59	10/31/05 23:59:59	2,825,293	63.2906	
589	10/31/05 23:59:59	11/30/05 23:59:59	1,931,517	44.7110	
590	11/30/05 23:59:59	12/31/05 23:59:59	1,471,359	32.9606	
591	12/31/05 23:59:59	01/31/06 23:59:59	1,845,289	41.3371	
592	01/31/06 23:59:59	02/28/06 23:59:59	2,715,716	67.3541	
593	02/28/06 23:59:59	03/31/06 23:59:59	2,397,912	53.7167	
594	03/31/06 23:59:59	04/30/06 23:59:59	2,467,546	57.1191	
595	04/30/06 23:59:59	05/31/06 23:59:59	2,189,649	49.0513	
596	05/31/06 23:59:59	06/30/06 23:59:59	2,957,630	68.4637	
597	06/30/06 23:59:59	07/31/06 23:59:59	2,831,255	63.4242	
598	07/31/06 23:59:59	08/31/06 23:59:59	2,789,412	62.4868	
599	08/31/06 23:59:59	09/30/06 23:59:59	2,483,832	57.4961	
600	09/30/06 23:59:59	10/31/06 23:59:59	2,996,510	67.1261	
601	10/31/06 23:59:59	11/18/06 08:00:00	1,632,503	65.4047	
602	11/18/06 08:00:00	11/18/06 15:00:00	0	0.0000	WDW-169 06 Test Stab
603	11/18/06 15:00:00	11/19/06 16:57:16	124,581	79.9998	WDW-169 06 Test BU
604	11/19/06 16:57:16	11/20/06 08:34:19	0	0.0000	WDW-169 06 Test FO
605	11/20/06 08:34:19	11/30/06 23:59:59	1,002,371	65.4047	
606	11/30/06 23:59:59	12/31/06 23:59:59	2,748,487	61.5700	
607	12/31/06 23:59:59	01/31/07 23:59:59	2,560,137	57.3507	
608	01/31/07 23:59:59	02/28/07 23:59:59	2,836,226	70.3429	
609	02/28/07 23:59:59	03/31/07 23:59:59	2,431,158	54.4614	
610	03/31/07 23:59:59	04/30/07 23:59:59	3,972,481	91.9556	
611	04/30/07 23:59:59	05/31/07 23:59:59	3,442,449	77.1158	

Table 5.1.2-II, WDW-169 Rates Used for Modeling, continued

	Start Date	End Date	Volume gallons	Rate gpm	Comment
612	05/31/07 23:59:59	06/30/07 23:59:59	3,651,680	84.5296	
613	06/30/07 23:59:59	07/31/07 23:59:59	3,545,729	79.4294	
614	07/31/07 23:59:59	08/31/07 23:59:59	2,762,803	61.8907	
615	08/31/07 23:59:59	09/30/07 23:59:59	4,197,955	97.1749	
616	09/30/07 23:59:59	10/31/07 23:59:59	3,438,451	77.0262	
617	10/31/07 23:59:59	11/30/07 23:59:59	3,256,317	75.3777	
618	11/30/07 23:59:59	12/31/07 23:59:59	2,604,019	58.3338	
619	12/31/07 23:59:59	01/18/08 06:59:59	704,734	28.3026	
620	01/18/08 06:59:59	01/27/08 15:29:59	0	0.0000	WDW-169 08 Test Stab
621	01/27/08 15:29:59	01/29/08 10:53:01	195,227	75.0000	WDW-169 08 Test BU
622	01/29/08 10:53:01	01/30/08 10:24:59	0	0.0000	WDW-169 08 Test FO
623	01/30/08 10:24:59	01/31/08 23:59:59	159,230	70.6120	
624	01/31/08 23:59:59	02/29/08 23:59:59	3,307,555	79.2039	
625	02/29/08 23:59:59	03/31/08 23:59:59	2,975,685	66.6596	
626	03/31/08 23:59:59	04/30/08 23:59:59	3,218,227	74.4960	
627	04/30/08 23:59:59	05/31/08 23:59:59	3,785,458	84.7997	
628	05/31/08 23:59:59	06/30/08 23:59:59	3,251,018	75.2550	
629	06/30/08 23:59:59	07/31/08 23:59:59	3,439,701	77.0542	
630	07/31/08 23:59:59	08/31/08 23:59:59	3,259,850	73.0253	
631	08/31/08 23:59:59	09/30/08 23:59:59	2,200,321	50.9334	
632	09/30/08 23:59:59	10/31/08 23:59:59	2,603,644	58.3254	
633	10/31/08 23:59:59	11/30/08 23:59:59	2,190,490	50.7058	
634	11/30/08 23:59:59	12/31/08 23:59:59	1,816,897	40.7011	
635	12/31/08 23:59:59	01/30/09 18:29:59	2,157,024	50.3155	
636	01/30/09 18:29:59	01/31/09 07:29:59	0	0.0000	WDW-169 09 Test Stab
637	01/31/09 07:29:59	01/31/09 23:59:59	74,250	75.0000	WDW-169 09 Test BU
638	01/31/09 23:59:59	02/02/09 08:53:06	147,984	75.0000	WDW-169 09 Test BU
639	02/02/09 08:53:06	02/03/09 09:29:58	0	0.0000	WDW-169 09 Test FO
640	02/03/09 09:29:58	02/04/09 10:00:00	0	0.0000	
641	02/04/09 10:00:00	02/28/09 23:59:59	2,331,301	65.8560	
642	02/28/09 23:59:59	03/31/09 23:59:59	2,134,004	47.8047	
643	03/31/09 23:59:59	04/30/09 23:59:59	2,761,710	63.9285	
644	04/30/09 23:59:59	05/31/09 23:59:59	2,259,059	50.6062	
645	05/31/09 23:59:59	06/30/09 23:59:59	2,959,163	68.4991	
646	06/30/09 23:59:59	07/31/09 23:59:59	2,876,963	64.4481	
647	07/31/09 23:59:59	08/31/09 23:59:59	2,914,550	65.2901	
648	08/31/09 23:59:59	09/30/09 23:59:59	1,795,556	41.5638	
649	09/30/09 23:59:59	10/31/09 23:59:59	3,237,143	72.5166	
650	10/31/09 23:59:59	11/30/09 23:59:59	2,526,001	58.4722	
651	11/30/09 23:59:59	12/31/09 23:59:59	1,931,131	43.2601	
652	12/31/09 23:59:59	01/28/10 05:59:59	2,458,154	62.6441	
653	01/28/10 05:59:59	01/30/10 07:59:59	0	0.0000	WDW-169 10 Test Stab
654	01/30/10 07:59:59	01/31/10 23:59:59	180,000	75.0000	WDW-169 10 Test BU
655	01/31/10 23:59:59	02/01/10 10:20:14	46,519	75.0000	WDW-169 10 Test BU
656	02/01/10 10:20:14	02/02/10 07:37:12	0	0.0000	WDW-169 10 Test FO
657	02/02/10 07:37:12	02/02/10 11:52:59	0	0.0000	
658	02/02/10 11:52:59	02/28/10 23:59:59	2,483,636	65.0729	

Table 5.1.2-II, WDW-169 Rates Used for Modeling, continued

	Start Date	End Date	Volume gallons	Rate gpm	Comment
659	02/28/10 23:59:59	03/31/10 23:59:59	2,727,802	61.1067	
660	03/31/10 23:59:59	04/30/10 23:59:59	1,429,125	33.0816	
661	04/30/10 23:59:59	05/31/10 23:59:59	1,823,823	40.8563	
662	05/31/10 23:59:59	06/30/10 23:59:59	2,359,817	54.6254	
663	06/30/10 23:59:59	07/31/10 23:59:59	2,575,891	57.7037	
664	07/31/10 23:59:59	08/31/10 23:59:59	2,115,736	47.3955	
665	08/31/10 23:59:59	09/30/10 23:59:59	2,369,367	54.8465	
666	09/30/10 23:59:59	10/31/10 23:59:59	1,979,092	44.3345	
667	10/31/10 23:59:59	11/30/10 23:59:59	2,237,417	51.7921	
668	11/30/10 23:59:59	12/31/10 23:59:59	2,023,795	45.3359	
669	12/31/10 23:59:59	01/29/11 04:14:59	2,744,105	67.6304	
670	01/29/11 04:14:59	01/31/11 23:59:59	0	0.0000	WDW-169 11 Test Stab
671	01/31/11 23:59:59	02/01/11 07:29:59	0	0.0000	WDW-169 11 Test Stab
672	02/01/11 07:29:59	02/03/11 10:36:01	214,622	70.0000	WDW-169 11 Test BU
673	02/03/11 10:36:01	02/04/11 07:38:33	0	0.0000	WDW-169 11 Test FO
674	02/04/11 07:38:33	02/04/11 10:39:59	0	0.0000	
675	02/04/11 10:39:59	02/28/11 23:59:59	1,919,593	54.2871	
676	02/28/11 23:59:59	03/31/11 23:59:59	2,882,102	64.5632	
677	03/31/11 23:59:59	04/30/11 23:59:59	2,612,267	60.4691	
678	04/30/11 23:59:59	05/31/11 23:59:59	2,244,109	50.2713	
679	05/31/11 23:59:59	06/30/11 23:59:59	2,819,774	65.2725	
680	06/30/11 23:59:59	07/31/11 23:59:59	2,774,167	62.1453	
681	07/31/11 23:59:59	08/31/11 23:59:59	2,523,411	56.5280	
682	08/31/11 23:59:59	09/30/11 23:59:59	1,889,297	43.7337	
683	09/30/11 23:59:59	10/31/11 23:59:59	2,854,446	63.9437	
684	10/31/11 23:59:59	11/30/11 23:59:59	2,780,183	64.3561	
685	11/30/11 23:59:59	12/31/11 23:59:59	3,056,622	68.4727	
686	12/31/11 23:59:59	01/31/12 23:59:59	3,149,489	70.5531	
687	01/31/12 23:59:59	02/03/12 02:29:59	334,893	110.5256	
688	02/03/12 02:29:59	02/04/12 07:59:59	0	0.0000	WDW-169 12 Test Stab
689	02/04/12 07:59:59	02/06/12 10:28:13	227,118	75.0000	WDW-169 12 Test BU
690	02/06/12 10:28:13	02/07/12 07:12:34	0	0.0000	WDW-169 12 Test FO
691	02/07/12 07:12:34	02/20/12 15:30:00	0	0.0000	
692	02/20/12 15:30:00	02/29/12 23:59:59	1,485,000	110.2451	
693	02/29/12 23:59:59	03/31/12 23:59:59	4,340,273	97.2283	
694	03/31/12 23:59:59	04/30/12 23:59:59	3,348,754	77.5175	
695	04/30/12 23:59:59	05/31/12 23:59:59	3,055,189	68.4406	
696	05/31/12 23:59:59	06/30/12 23:59:59	2,378,928	55.0678	
697	06/30/12 23:59:59	07/31/12 23:59:59	3,027,131	67.8121	
698	07/31/12 23:59:59	08/31/12 23:59:59	2,919,279	65.3960	
699	08/31/12 23:59:59	09/30/12 23:59:59	2,952,513	68.3452	
700	09/30/12 23:59:59	10/31/12 23:59:59	3,380,763	75.7339	
701	10/31/12 23:59:59	11/30/12 23:59:59	2,544,127	58.8918	
702	11/30/12 23:59:59	12/31/12 23:59:59	2,228,933	49.9313	
703	12/31/12 23:59:59	01/31/13 07:59:59	3,130,458	71.6680	
704	01/31/13 07:59:59	01/31/13 23:59:59	0	0.0000	
705	01/31/13 23:59:59	02/02/13 07:59:59	0	0.0000	WDW-169 13 Test Stab

Table 5.1.2-II, WDW-169 Rates Used for Modeling, continued

	Start Date	End Date	Volume gallons	Rate gpm	Comment
706	02/02/13 07:59:59	02/04/13 10:06:26	225,484	75.0000	WDW-169 13 Test BU
707	02/04/13 10:06:26	02/05/13 07:25:08	0	0.0000	WDW-169 13 Test FO
708	02/05/13 07:25:08	02/06/13 06:29:59	0	0.0000	
709	02/06/13 06:29:59	02/28/13 23:59:59	3,056,180	93.3755	
710	02/28/13 23:59:59	03/31/13 23:59:59	2,621,415	58.7235	
711	03/31/13 23:59:59	04/30/13 23:59:59	2,346,171	54.3095	
712	04/30/13 23:59:59	05/31/13 23:59:59	3,054,084	68.4159	
713	05/31/13 23:59:59	06/30/13 23:59:59	2,899,574	67.1198	
714	06/30/13 23:59:59	07/31/13 23:59:59	2,548,065	57.0803	
715	07/31/13 23:59:59	08/31/13 23:59:59	2,383,357	53.3906	
716	08/31/13 23:59:59	09/30/13 23:59:59	2,549,704	59.0209	
717	09/30/13 23:59:59	10/31/13 23:59:59	3,823,598	85.6541	
718	10/31/13 23:59:59	11/30/13 23:59:59	3,922,491	90.7984	
719	11/30/13 23:59:59	12/31/13 23:59:59	3,781,227	84.7049	
720	12/31/13 23:59:59	01/12/14 13:51:59	2,062,325	123.6999	
721	01/12/14 13:51:59	01/22/14 08:09:59	0	0.0000	WDW-169 14 Test Stab
722	01/22/14 08:09:59	01/24/14 10:43:10	218,389	71.9999	WDW-169 14 Test BU
723	01/24/14 10:43:10	01/25/14 08:43:58	0	0.0000	WDW-169 14 Test FO
724	01/25/14 08:43:58	01/28/14 15:19:59	0	0.0000	
725	01/28/14 15:19:59	01/31/14 23:59:59	598,127	123.5800	
726	01/31/14 23:59:59	02/28/14 23:59:59	2,085,746	51.7298	
727	02/28/14 23:59:59	03/31/14 23:59:59	2,241,923	50.2223	
728	03/31/14 23:59:59	04/30/14 23:59:59	2,149,933	49.7670	
729	04/30/14 23:59:59	05/31/14 23:59:59	2,219,773	49.7261	
730	05/31/14 23:59:59	06/30/14 23:59:59	2,350,185	54.4024	
731	06/30/14 23:59:59	07/31/14 23:59:59	2,669,811	59.8076	
732	07/31/14 23:59:59	12/31/14 23:59:59	49,572,000	225.0000	
733	12/31/14 23:59:59	12/31/15 23:59:59	236,520,000	450.0000	
734	12/31/15 23:59:59	12/31/30 23:59:59	3,550,392,000	450.0000	Future
735	12/31/30 23:59:59	12/31/31 23:59:59	0	0.0000	Post-Op Shutin

Table 5.1.2-III

WDW-249 Rates Used for Modeling

	Start Date	End Date	Lower Frio		Upper Frio		Comment
			Volume gallons	Rate gpm	Volume gallons	Rate gpm	
1	03/31/93 23:59:59	04/10/93 10:30:00	0	0.0000			WDW-249 93 Test
2	04/10/93 10:30:00	04/10/93 22:33:00	62,901	87.0000			WDW-249 93 Test BU
3	04/10/93 22:33:00	04/12/93 10:20:00	0	0.0000			WDW-249 93 Test FO
4	04/12/93 10:20:00	04/30/93 23:59:59	0	0.0000			
5	04/30/93 23:59:59	05/31/93 23:59:59	0	0.0000			
6	05/31/93 23:59:59	06/30/93 23:59:59	0	0.0000			
7	06/30/93 23:59:59	07/31/93 23:59:59	1,348,997	30.2195			
8	07/31/93 23:59:59	08/31/93 23:59:59	270,137	6.0515			
9	08/31/93 23:59:59	09/30/93 23:59:59	246,523	5.7066			
10	09/30/93 23:59:59	10/31/93 23:59:59	523,025	11.7165			
11	10/31/93 23:59:59	11/30/93 23:59:59	1,747,180	40.4440			
12	11/30/93 23:59:59	12/01/93 06:00:00	22,514	62.5360			
13	12/01/93 06:00:00	12/04/93 08:45:00	0	0.0000			WDW-169 93 Test
14	12/04/93 08:45:00	12/31/93 23:59:59	2,488,624	62.5361			
15	12/31/93 23:59:59	01/31/94 23:59:59	2,348,134	52.6016			
16	01/31/94 23:59:59	02/28/94 23:59:59	1,689,057	41.8913			
17	02/28/94 23:59:59	03/31/94 23:59:59	2,191,492	49.0926			
18	03/31/94 23:59:59	04/06/94 07:00:00	283,757	37.2384			
19	04/06/94 07:00:00	04/08/94 07:45:00	234,000	80.0000			WDW-249 94 Test BU Waste
20	04/08/94 07:45:00	04/08/94 11:19:00	17,120	80.0000			WDW-249 94 Test BU Brine
21	04/08/94 11:19:00	04/09/94 08:51:00	0	0.0000			WDW-249 94 Test FO
22	04/09/94 08:51:00	04/30/94 23:59:59	1,159,935	37.2383			
23	04/30/94 23:59:59	05/31/94 23:59:59	2,309,893	51.7449			
24	05/31/94 23:59:59	06/30/94 23:59:59	3,201,037	74.0981			
25	06/30/94 23:59:59	07/31/94 23:59:59	3,234,315	72.4533			
26	07/31/94 23:59:59	08/31/94 23:59:59	3,431,039	76.8602			
27	08/31/94 23:59:59	09/10/94 21:32:00	1,044,537	73.2905			
28	09/10/94 21:32:00	09/11/94 11:38:00	40,608	48.0000			WDW-157 94 Test
29	09/11/94 11:38:00	09/12/94 07:37:00	48,919	40.7998			WDW-157 94 Test
30	09/12/94 07:37:00	09/13/94 09:33:00	93,360	60.0000			WDW-157 94 Test
31	09/13/94 09:33:00	09/30/94 23:59:59	1,857,692	73.2905			
32	09/30/94 23:59:59	10/26/94 07:10:00	2,537,176	69.6452			WDW-169 94 Test
33	10/26/94 07:10:00	10/29/94 08:00:24	0	0.0000			WDW-169 94 Test
34	10/29/94 08:00:24	10/31/94 23:59:59	267,409	69.6453			
35	10/31/94 23:59:59	11/30/94 23:59:59	2,405,659	55.6866			
36	11/30/94 23:59:59	12/31/94 23:59:59	4,050,017	90.7262			
37	12/31/94 23:59:59	01/31/95 23:59:59	4,037,077	90.4363			
38	01/31/95 23:59:59	02/28/95 23:59:59	3,948,942	97.9400			
39	02/28/95 23:59:59	03/31/95 23:59:59	2,783,092	62.3453			
40	03/31/95 23:59:59	04/30/95 23:59:59	2,591,822	59.9959			
41	04/30/95 23:59:59	05/31/95 23:59:59	3,769,354	84.4389			
42	05/31/95 23:59:59	06/30/95 23:59:59	2,146,208	49.6807			
43	06/30/95 23:59:59	07/31/95 23:59:59	3,359,465	75.2568			
44	07/31/95 23:59:59	08/12/95 07:30:00	1,188,505	72.9591			WDW-157 95 Test
45	08/12/95 07:30:00	08/15/95 11:30:00	136,800	30.0000			WDW-157 95 Test
46	08/15/95 11:30:00	08/31/95 23:59:59	1,735,695	72.9591			

Table 5.1.2-III, WDW-249 Rates Used for Modeling, continued

	Start Date	End Date	Lower Frio		Upper Frio		Comment
			Volume gallons	Rate gpm	Volume gallons	Rate gpm	
47	08/31/95 23:59:59	09/30/95 23:59:59	2,718,531	62.9290			
48	09/30/95 23:59:59	10/16/95 20:00:00	1,185,840	52.0105			
49	10/16/95 20:00:00	10/21/95 10:19:00	0	0.0000			WDW-169 95 Test
50	10/21/95 10:19:00	10/31/95 23:59:59	791,651	52.0105			
51	10/31/95 23:59:59	11/30/95 23:59:59	2,280,627	52.7923			
52	11/30/95 23:59:59	12/31/95 23:59:59	2,994,474	67.0805			
53	12/31/95 23:59:59	01/31/96 23:59:59	2,894,790	64.8474			
54	01/31/96 23:59:59	02/29/96 23:59:59	2,658,830	63.6693			
55	02/29/96 23:59:59	03/31/96 23:59:59	2,402,887	53.8281			
56	03/31/96 23:59:59	04/30/96 23:59:59	2,414,045	55.8807			
57	04/30/96 23:59:59	05/31/96 23:59:59	2,848,609	63.8129			
58	05/31/96 23:59:59	06/30/96 23:59:59	4,502,863	104.2329			
59	06/30/96 23:59:59	07/31/96 23:59:59	2,428,593	54.4040			
60	07/31/96 23:59:59	08/19/96 15:00:00	1,935,051	72.1495			
61	08/19/96 15:00:00	08/22/96 11:00:00	204,000	50.0000			WDW-157 96 Test
62	08/22/96 11:00:00	08/31/96 23:59:59	991,333	72.1495			
63	08/31/96 23:59:59	09/30/96 23:59:59	2,552,000	59.0741			
64	09/30/96 23:59:59	10/13/96 21:46:00	1,445,292	77.7623			
65	10/13/96 21:46:00	10/19/96 05:15:00	0	0.0000			WDW-169 96 Test
66	10/19/96 05:15:00	10/31/96 23:59:59	1,431,214	77.7623			
67	10/31/96 23:59:59	11/30/96 23:59:59	2,903,458	67.2097			
68	11/30/96 23:59:59	12/31/96 23:59:59	3,230,278	72.3629			
69	12/31/96 23:59:59	01/31/97 23:59:59	3,397,879	76.1174			
70	01/31/97 23:59:59	02/28/97 23:59:59	3,668,467	90.9838			
71	02/28/97 23:59:59	03/31/97 23:59:59	3,923,608	87.8944			
72	03/31/97 23:59:59	04/30/97 23:59:59	3,968,168	91.8557			
73	04/30/97 23:59:59	05/31/97 23:59:59	4,911,889	110.0334			
74	05/31/97 23:59:59	06/30/97 23:59:59	3,730,816	86.3615			
75	06/30/97 23:59:59	07/31/97 23:59:59	3,285,954	73.6101			
76	07/31/97 23:59:59	08/31/97 23:59:59	3,830,083	85.7994			
77	08/31/97 23:59:59	09/30/97 23:59:59	3,357,377	77.7171			
78	09/30/97 23:59:59	10/31/97 23:59:59	3,930,127	88.0405			
79	10/31/97 23:59:59	11/30/97 23:59:59	2,726,175	63.1059			
80	11/30/97 23:59:59	12/10/97 14:30:00	986,156	71.3055			
81	12/10/97 14:30:00	12/10/97 20:18:00	36,540	105.0000			WDW-157 97 Test
82	12/10/97 20:18:00	12/10/97 21:48:00	9,000	100.0000			WDW-157 97 Test
83	12/10/97 21:48:00	12/10/97 22:03:00	1,575	105.0000			WDW-157 97 Test
84	12/10/97 22:03:00	12/10/97 23:03:00	5,700	95.0000			WDW-157 97 Test
85	12/10/97 23:03:00	12/11/97 00:18:00	7,875	105.0000			WDW-157 97 Test
86	12/11/97 00:18:00	12/11/97 01:48:00	9,180	102.0000			WDW-157 97 Test
87	12/11/97 01:48:00	12/11/97 11:18:00	55,860	98.0000			WDW-157 97 Test
88	12/11/97 11:18:00	12/11/97 14:48:00	22,050	105.0000			WDW-157 97 Test
89	12/11/97 14:48:00	12/11/97 16:48:00	11,760	98.0000			WDW-157 97 Test
90	12/11/97 16:48:00	12/11/97 18:18:00	9,450	105.0000			WDW-157 97 Test
91	12/11/97 18:18:00	12/11/97 19:18:00	5,700	95.0000			WDW-157 97 Test
92	12/11/97 19:18:00	12/11/97 20:18:00	6,120	102.0000			WDW-157 97 Test
93	12/11/97 20:18:00	12/11/97 20:48:00	2,940	98.0000			WDW-157 97 Test

Table 5.1.2-III, WDW-249 Rates Used for Modeling, continued

	Start Date	End Date	Lower Frio		Upper Frio		Comment
			Volume gallons	Rate gpm	Volume gallons	Rate gpm	
94	12/11/97 20:48:00	12/12/97 01:48:00	30,000	100.0000			WDW-157 97 Test
95	12/12/97 01:48:00	12/12/97 03:33:00	10,710	102.0001			WDW-157 97 Test
96	12/12/97 03:33:00	12/12/97 04:03:00	2,940	98.0000			WDW-157 97 Test
97	12/12/97 04:03:00	12/12/97 05:48:00	10,710	102.0000			WDW-157 97 Test
98	12/12/97 05:48:00	12/12/97 08:18:00	14,700	98.0000			WDW-157 97 Test
99	12/12/97 08:18:00	12/12/97 10:30:00	13,464	102.0000			WDW-157 97 Test
100	12/12/97 10:30:00	12/31/97 23:59:59	2,008,673	71.3054			
101	12/31/97 23:59:59	01/31/98 23:59:59	4,513,250	101.1033			
102	01/31/98 23:59:59	02/28/98 23:59:59	4,031,000	99.9752			
103	02/28/98 23:59:59	03/31/98 23:59:59	5,412,790	121.2543			
104	03/31/98 23:59:59	04/15/98 02:30:00	1,456,837	71.7300			
105	04/15/98 02:30:00	04/15/98 16:30:00	0	0.0000			WDW-249 98 Test
106	04/15/98 16:30:00	04/16/98 12:00:00	130,500	111.5385			WDW-249 98 Test
107	04/16/98 12:00:00	04/16/98 12:30:00	3,960	132.0000			WDW-249 98 Test
108	04/16/98 12:30:00	04/16/98 13:30:00	6,300	105.0000			WDW-249 98 Test
109	04/16/98 13:30:00	04/16/98 15:00:00	10,260	114.0000			WDW-249 98 Test
110	04/16/98 15:00:00	04/16/98 18:00:00	21,060	117.0000			WDW-249 98 Test
111	04/16/98 18:00:00	04/16/98 18:30:00	3,600	120.0000			WDW-249 98 Test
112	04/16/98 18:30:00	04/16/98 20:30:00	15,120	126.0000			WDW-249 98 Test
113	04/16/98 20:30:00	04/16/98 22:30:00	14,760	123.0000			WDW-249 98 Test
114	04/16/98 22:30:00	04/17/98 01:30:00	21,600	120.0000			WDW-249 98 Test
115	04/17/98 01:30:00	04/17/98 03:30:00	14,760	123.0000			WDW-249 98 Test
116	04/17/98 03:30:00	04/17/98 04:00:00	3,780	126.0000			WDW-249 98 Test
117	04/17/98 04:00:00	04/17/98 05:00:00	7,380	123.0000			WDW-249 98 Test
118	04/17/98 05:00:00	04/17/98 06:30:00	10,800	120.0000			WDW-249 98 Test
119	04/17/98 06:30:00	04/17/98 08:00:00	10,530	117.0000			WDW-249 98 Test
120	04/17/98 08:00:00	04/17/98 12:41:27	35,463	126.0011			WDW-249 98 Test BU
121	04/17/98 12:41:27	04/19/98 01:08:11	0	0.0000			WDW-249 98 Test FO
122	04/19/98 01:08:11	04/30/98 23:59:59	2,319,350	134.7535			
123	04/30/98 23:59:59	05/31/98 23:59:59	3,759,510	84.2184			
124	05/31/98 23:59:59	06/30/98 23:59:59	2,853,830	66.0609			
125	06/30/98 23:59:59	07/31/98 23:59:59	3,667,490	82.1570			
126	07/31/98 23:59:59	08/31/98 23:59:59	3,704,140	82.9780			
127	08/31/98 23:59:59	09/12/98 23:47:33	1,136,618	65.8239			
128	09/12/98 23:47:33	09/13/98 00:43:32	2,946	52.6260			WDW-157 98 Test
129	09/13/98 00:43:32	09/13/98 00:58:53	1,429	93.0339			WDW-157 98 Test
130	09/13/98 00:58:53	09/13/98 01:15:23	2,049	124.1809			WDW-157 98 Test
131	09/13/98 01:15:23	09/13/98 01:40:10	336	13.5594			WDW-157 98 Test
132	09/13/98 01:40:10	09/13/98 01:54:27	1,508	105.6027			WDW-157 98 Test
133	09/13/98 01:54:27	09/13/98 02:04:39	625	61.2738			WDW-157 98 Test
134	09/13/98 02:04:39	09/13/98 02:50:04	8,841	194.6499			WDW-157 98 Test
135	09/13/98 02:50:04	09/13/98 03:09:52	600	30.3032			WDW-157 98 Test
136	09/13/98 03:09:52	09/13/98 05:10:14	0	0.0000			WDW-157 98 Test
137	09/13/98 05:10:14	09/13/98 05:29:11	2,221	117.1406			WDW-157 98 Test
138	09/13/98 05:29:11	09/13/98 05:40:32	307	27.0725			WDW-157 98 Test
139	09/13/98 05:40:32	09/13/98 05:54:09	0	0.0000			WDW-157 98 Test
140	09/13/98 05:54:09	09/13/98 06:11:54	1,230	69.2575			WDW-157 98 Test

Table 5.1.2-III, WDW-249 Rates Used for Modeling, continued

	Start Date	End Date	Lower Frio		Upper Frio		Comment
			Volume gallons	Rate gpm	Volume gallons	Rate gpm	
141	09/13/98 06:11:54	09/13/98 06:26:36	691	47.0070			WDW-157 98 Test
142	09/13/98 06:26:36	09/13/98 10:44:47	0	0.0000			WDW-157 98 Test
143	09/13/98 10:44:47	09/13/98 11:35:18	8,185	162.0152			WDW-157 98 Test
144	09/13/98 11:35:18	09/13/98 17:55:32	48,147	126.6293			WDW-157 98 Test
145	09/13/98 17:55:32	09/13/98 18:59:54	0	0.0000			WDW-157 98 Test
146	09/13/98 18:59:54	09/13/98 19:24:34	1,440	58.3937			WDW-157 98 Test
147	09/13/98 19:24:34	09/13/98 20:03:45	5,324	135.8857			WDW-157 98 Test
148	09/13/98 20:03:45	09/13/98 20:32:26	3,269	113.9828			WDW-157 98 Test
149	09/13/98 20:32:26	09/13/98 21:19:46	5,881	124.2287			WDW-157 98 Test
150	09/13/98 21:19:46	09/13/98 21:34:10	1,432	99.4440			WDW-157 98 Test
151	09/13/98 21:34:10	09/13/98 21:40:24	768	123.0757			WDW-157 98 Test
152	09/13/98 21:40:24	09/13/98 22:12:41	3,631	112.4849			WDW-157 98 Test
153	09/13/98 22:12:41	09/13/98 22:43:32	3,220	104.4099			WDW-157 98 Test
154	09/13/98 22:43:32	09/13/98 23:20:08	4,278	116.8852			WDW-157 98 Test
155	09/13/98 23:20:08	09/13/98 23:44:08	1,346	56.0831			WDW-157 98 Test
156	09/13/98 23:44:08	09/14/98 01:22:06	0	0.0000			WDW-157 98 Test
157	09/14/98 01:22:06	09/14/98 01:42:09	785	39.1714			WDW-157 98 Test
158	09/14/98 01:42:09	09/14/98 02:26:15	0	0.0000			WDW-157 98 Test
159	09/14/98 02:26:15	09/14/98 03:32:44	4,498	67.6595			WDW-157 98 Test
160	09/14/98 03:32:44	09/14/98 07:47:44	0	0.0000			WDW-157 98 Test
161	09/14/98 07:47:44	09/14/98 08:03:45	1,746	108.9884			WDW-157 98 Test
162	09/14/98 08:03:45	09/14/98 09:39:34	11,041	115.2265			WDW-157 98 Test
163	09/14/98 09:39:34	09/14/98 09:47:15	460	59.8958			WDW-157 98 Test
164	09/14/98 09:47:15	09/14/98 16:40:10	47,845	115.8699			WDW-157 98 Test
165	09/14/98 16:40:10	09/14/98 16:49:28	412	44.3008			WDW-157 98 Test
166	09/14/98 16:49:28	09/14/98 18:34:06	12,915	123.4232			WDW-157 98 Test
167	09/14/98 18:34:06	09/15/98 01:07:35	45,620	115.9395			WDW-157 98 Test
168	09/15/98 01:07:35	09/15/98 01:20:26	903	70.3271			WDW-157 98 Test
169	09/15/98 01:20:26	09/15/98 18:27:27	118,991	115.8604			WDW-157 98 Test
170	09/15/98 18:27:27	09/15/98 18:38:58	446	38.7153			WDW-157 98 Test
171	09/15/98 18:38:58	09/15/98 19:40:57	7,255	117.0543			WDW-157 98 Test
172	09/15/98 19:40:57	09/15/98 21:12:48	10,503	114.3370			WDW-157 98 Test
173	09/15/98 21:12:48	09/15/98 22:06:23	6,382	119.1116			WDW-157 98 Test
174	09/15/98 22:06:23	09/15/98 23:01:57	7,132	128.3657			WDW-157 98 Test
175	09/15/98 23:01:57	09/16/98 02:32:54	25,362	120.2218			WDW-157 98 Test
176	09/16/98 02:32:54	09/16/98 06:23:22	27,208	118.0596			WDW-157 98 Test
177	09/16/98 06:23:22	09/16/98 09:23:15	19,841	110.3013			WDW-157 98 Test
178	09/16/98 09:23:15	09/16/98 11:45:27	16,017	112.6371			WDW-157 98 Test
179	09/16/98 11:45:27	09/16/98 12:02:54	1,453	83.2185			WDW-157 98 Test
180	09/16/98 12:02:54	09/16/98 15:23:11	21,734	108.5181			WDW-157 98 Test
181	09/16/98 15:23:11	09/16/98 15:55:24	3,825	118.7149			WDW-157 98 Test
182	09/16/98 15:55:24	09/16/98 16:16:53	3,421	159.2649			WDW-157 98 Test
183	09/16/98 16:16:53	09/16/98 16:39:16	3,902	174.3521			WDW-157 98 Test
184	09/16/98 16:39:16	09/16/98 16:48:16	522	58.0004			WDW-157 98 Test
185	09/16/98 16:48:16	09/16/98 17:38:47	9,799	193.9626			WDW-157 98 Test
186	09/16/98 17:38:47	09/16/98 17:52:17	1,206	89.3337			WDW-157 98 Test
187	09/16/98 17:52:17	09/16/98 18:20:58	4,582	159.7629			WDW-157 98 Test

Table 5.1.2-III, WDW-249 Rates Used for Modeling, continued

	Start Date	End Date	Lower Frio		Upper Frio		Comment
			Volume gallons	Rate gpm	Volume gallons	Rate gpm	
188	09/16/98 18:20:58	09/16/98 19:19:39	8,742	148.9774			WDW-157 98 Test
189	09/16/98 19:19:39	09/16/98 20:59:22	13,627	136.6527			WDW-157 98 Test
190	09/16/98 20:59:22	09/16/98 22:19:42	12,891	160.4556			WDW-157 98 Test
191	09/16/98 22:19:42	09/16/98 23:32:29	11,086	152.3218			WDW-157 98 Test
192	09/16/98 23:32:29	09/30/98 23:59:59	1,328,816	65.8237			
193	09/30/98 23:59:59	10/14/98 07:00:00	1,491,193	77.9097			WDW-169 98 Test
194	10/14/98 07:00:00	10/15/98 06:30:00	91,650	65.0000			WDW-169 98 Test
195	10/15/98 06:30:00	10/17/98 07:10:00	219,000	75.0000			WDW-169 98 Test
196	10/17/98 07:10:00	10/31/98 23:59:59	1,649,347	77.9097			
197	10/31/98 23:59:59	11/30/98 23:59:59	3,192,300	73.8958			
198	11/30/98 23:59:59	12/31/98 23:59:59	3,022,980	67.7191			
199	12/31/98 23:59:59	01/27/99 07:32:00	2,888,903	76.2404			
200	01/27/99 07:32:00	01/29/99 11:35:00	234,225	75.0000			WDW-249 99 Test BU
201	01/29/99 11:35:00	01/30/99 07:27:00	0	0.0000			WDW-249 99 Test FO
202	01/30/99 07:27:00	01/31/99 23:59:59	185,492	76.2406			
203	01/31/99 23:59:59	02/28/99 23:59:59	2,927,700	72.6116			
204	02/28/99 23:59:59	03/31/99 23:59:59	3,020,020	67.6528			
205	03/31/99 23:59:59	04/30/99 23:59:59	2,532,590	58.6248			
206	04/30/99 23:59:59	05/31/99 23:59:59	3,342,650	74.8802			
207	05/31/99 23:59:59	06/30/99 23:59:59	3,813,150	88.2674			
208	06/30/99 23:59:59	07/31/99 23:59:59	3,441,160	77.0869			
209	07/31/99 23:59:59	08/31/99 23:59:59	3,025,350	67.7722			
210	08/31/99 23:59:59	09/17/99 15:59:59	1,249,183	52.0493			
211	09/17/99 15:59:59	09/17/99 18:45:32	29,335	177.1948			WDW-157 99 Test
212	09/17/99 18:45:32	09/17/99 19:41:31	2,946	52.6207			WDW-157 99 Test
213	09/17/99 19:41:31	09/17/99 19:56:52	1,429	93.0321			WDW-157 99 Test
214	09/17/99 19:56:52	09/17/99 20:13:22	2,049	124.1819			WDW-157 99 Test
215	09/17/99 20:13:22	09/17/99 20:38:09	336	13.5457			WDW-157 99 Test
216	09/17/99 20:38:09	09/17/99 20:52:26	1,508	105.5939			WDW-157 99 Test
217	09/17/99 20:52:26	09/17/99 21:02:38	625	61.2884			WDW-157 99 Test
218	09/17/99 21:02:38	09/17/99 21:48:03	8,842	194.6648			WDW-157 99 Test
219	09/17/99 21:48:03	09/17/99 22:07:51	600	30.2917			WDW-157 99 Test
220	09/17/99 22:07:51	09/18/99 00:08:13	0	0.0000			WDW-157 99 Test
221	09/18/99 00:08:13	09/18/99 00:27:10	2,221	117.1219			WDW-157 99 Test
222	09/18/99 00:27:10	09/18/99 00:38:31	307	27.0680			WDW-157 99 Test
223	09/18/99 00:38:31	09/18/99 00:52:08	0	0.0000			WDW-157 99 Test
224	09/18/99 00:52:08	09/18/99 01:09:53	1,230	69.2729			WDW-157 99 Test
225	09/18/99 01:09:53	09/18/99 01:24:35	691	47.0024			WDW-157 99 Test
226	09/18/99 01:24:35	09/18/99 05:42:46	0	0.0000			WDW-157 99 Test
227	09/18/99 05:42:46	09/18/99 06:33:17	8,185	162.0148			WDW-157 99 Test
228	09/18/99 06:33:17	09/18/99 12:53:31	48,147	126.6293			WDW-157 99 Test
229	09/18/99 12:53:31	09/18/99 13:57:53	0	0.0000			WDW-157 99 Test
230	09/18/99 13:57:53	09/18/99 14:22:33	1,440	58.3814			WDW-157 99 Test
231	09/18/99 14:22:33	09/18/99 15:01:44	5,324	135.8938			WDW-157 99 Test
232	09/18/99 15:01:44	09/18/99 15:30:25	3,269	113.9789			WDW-157 99 Test
233	09/18/99 15:30:25	09/18/99 16:17:45	5,881	124.2221			WDW-157 99 Test
234	09/18/99 16:17:45	09/18/99 16:32:09	1,432	99.4379			WDW-157 99 Test

Table 5.1.2-III, WDW-249 Rates Used for Modeling, continued

	Start Date	End Date	Lower Frio		Upper Frio		Comment
			Volume gallons	Rate gpm	Volume gallons	Rate gpm	
235	09/18/99 16:32:09	09/18/99 16:38:23	768	123.1159			WDW-157 99 Test
236	09/18/99 16:38:23	09/18/99 17:10:40	3,631	112.4929			WDW-157 99 Test
237	09/18/99 17:10:40	09/18/99 17:41:31	3,220	104.3999			WDW-157 99 Test
238	09/18/99 17:41:31	09/18/99 18:18:07	4,278	116.8859			WDW-157 99 Test
239	09/18/99 18:18:07	09/18/99 18:42:07	1,346	56.1029			WDW-157 99 Test
240	09/18/99 18:42:07	09/18/99 20:20:05	0	0.0000			WDW-157 99 Test
241	09/18/99 20:20:05	09/18/99 20:40:08	785	39.1845			WDW-157 99 Test
242	09/18/99 20:40:08	09/18/99 21:24:14	0	0.0000			WDW-157 99 Test
243	09/18/99 21:24:14	09/18/99 22:30:43	4,498	67.6649			WDW-157 99 Test
244	09/18/99 22:30:43	09/19/99 02:45:43	0	0.0000			WDW-157 99 Test
245	09/19/99 02:45:43	09/19/99 03:01:44	1,746	108.9919			WDW-157 99 Test
246	09/19/99 03:01:44	09/19/99 04:37:33	11,042	115.2332			WDW-157 99 Test
247	09/19/99 04:37:33	09/19/99 04:45:14	460	59.9009			WDW-157 99 Test
248	09/19/99 04:45:14	09/19/99 11:38:09	47,847	115.8749			WDW-157 99 Test
249	09/19/99 11:38:09	09/19/99 11:47:27	412	44.2999			WDW-157 99 Test
250	09/19/99 11:47:27	09/19/99 13:32:05	12,914	123.4153			WDW-157 99 Test
251	09/19/99 13:32:05	09/19/99 20:05:34	45,619	115.9376			WDW-157 99 Test
252	09/19/99 20:05:34	09/19/99 20:18:25	903	70.3049			WDW-157 99 Test
253	09/19/99 20:18:25	09/20/99 13:25:26	118,996	115.8650			WDW-157 99 Test
254	09/20/99 13:25:26	09/20/99 13:36:57	446	38.7030			WDW-157 99 Test
255	09/20/99 13:36:57	09/20/99 14:38:56	7,255	117.0518			WDW-157 99 Test
256	09/20/99 14:38:56	09/20/99 16:10:47	10,503	114.3386			WDW-157 99 Test
257	09/20/99 16:10:47	09/20/99 17:04:22	6,382	119.1089			WDW-157 99 Test
258	09/20/99 17:04:22	09/20/99 17:59:56	7,133	128.3750			WDW-157 99 Test
259	09/20/99 17:59:56	09/20/99 21:30:53	25,363	120.2249			WDW-157 99 Test
260	09/20/99 21:30:53	09/21/99 01:21:21	27,208	118.0592			WDW-157 99 Test
261	09/21/99 01:21:21	09/21/99 04:21:14	19,841	110.3000			WDW-157 99 Test
262	09/21/99 04:21:14	09/21/99 06:43:26	16,018	112.6434			WDW-157 99 Test
263	09/21/99 06:43:26	09/21/99 07:00:53	1,453	83.1959			WDW-157 99 Test
264	09/21/99 07:00:53	09/21/99 10:21:10	21,734	108.5177			WDW-157 99 Test
265	09/21/99 10:21:10	09/21/99 10:53:23	3,825	118.7069			WDW-157 99 Test
266	09/21/99 10:53:23	09/21/99 11:14:52	3,421	159.2668			WDW-157 99 Test
267	09/21/99 11:14:52	09/21/99 11:37:15	3,902	174.3578			WDW-157 99 Test
268	09/21/99 11:37:15	09/21/99 11:46:15	522	58.0214			WDW-157 99 Test
269	09/21/99 11:46:15	09/21/99 12:36:46	9,799	193.9553			WDW-157 99 Test
270	09/21/99 12:36:46	09/21/99 12:50:16	1,206	89.2994			WDW-157 99 Test
271	09/21/99 12:50:16	09/21/99 13:18:57	4,582	159.7528			WDW-157 99 Test
272	09/21/99 13:18:57	09/21/99 14:17:38	8,742	148.9778			WDW-157 99 Test
273	09/21/99 14:17:38	09/21/99 15:57:21	13,627	136.6524			WDW-157 99 Test
274	09/21/99 15:57:21	09/21/99 17:17:41	12,891	160.4503			WDW-157 99 Test
275	09/21/99 17:17:41	09/21/99 18:30:28	11,086	152.3238			WDW-157 99 Test
276	09/21/99 18:30:28	09/30/99 23:59:59	691,706	52.0490			
277	09/30/99 23:59:59	10/31/99 23:59:59	1,484,693	33.2593			
278	10/31/99 23:59:59	11/30/99 23:59:59			3,398,878	78.6777	Upper Frio
279	11/30/99 23:59:59	12/31/99 23:59:59			3,638,905	81.5167	Upper Frio
280	12/31/99 23:59:59	01/31/00 23:59:59			2,087,845	46.7707	Upper Frio
281	01/31/00 23:59:59	02/29/00 23:59:59			2,118,532	50.7311	Upper Frio

Table 5.1.2-III, WDW-249 Rates Used for Modeling, continued

	Start Date	End Date	Lower Frio		Upper Frio		Comment
			Volume gallons	Rate gpm	Volume gallons	Rate gpm	
282	02/29/00 23:59:59	03/01/00 11:50:00			27,515	38.7526	Upper Frio
283	03/01/00 11:50:00	03/02/00 19:49:00			86,355	45.0000	Upper Frio
284	03/02/00 19:49:00	03/02/00 20:28:00			2,340	60.0000	Upper Frio
285	03/02/00 20:28:00	03/02/00 22:10:00			4,080	40.0000	Upper Frio
286	03/02/00 22:10:00	03/02/00 22:46:00			2,030	56.3889	Upper Frio
287	03/02/00 22:46:00	03/04/00 10:06:00			0	0.0000	Upper Frio
288	03/04/00 10:06:00	03/31/00 23:59:59			1,539,025	38.7527	Upper Frio
289	03/31/00 23:59:59	04/30/00 23:59:59			1,527,374	35.3559	Upper Frio
290	04/30/00 23:59:59	05/31/00 23:59:59			2,469,159	55.3127	Upper Frio
291	05/31/00 23:59:59	06/30/00 23:59:59			2,669,159	61.7861	Upper Frio
292	06/30/00 23:59:59	07/31/00 23:59:59			2,516,079	56.3638	Upper Frio
293	07/31/00 23:59:59	08/31/00 23:59:59			2,159,939	48.3857	Upper Frio
294	08/31/00 23:59:59	09/30/00 23:59:59			2,488,319	57.6000	Upper Frio
295	09/30/00 23:59:59	10/25/00 23:59:59			1,259,387	34.9830	Upper Frio
296	10/25/00 23:59:59	10/31/00 23:59:59	0	0.0000			WDW-249 Workover
297	10/31/00 23:59:59	11/30/00 23:59:59	0	0.0000			WDW-249 Workover
298	11/30/00 23:59:59	12/09/00 10:59:59	0	0.0000			WDW-249 Workover
299	12/09/00 10:59:59	12/31/00 23:59:59	1,499,750	46.2030			
300	12/31/00 23:59:59	01/31/01 23:59:59	1,999,216	44.7853			
301	01/31/01 23:59:59	02/28/01 23:59:59	2,084,188	51.6912			
302	02/28/01 23:59:59	03/13/01 08:00:00	682,902	38.4517			
303	03/13/01 08:00:00	03/16/01 08:00:00	108,000	25.0000			WDW-169 01 Test
304	03/16/01 08:00:00	03/17/01 12:00:00	0	0.0000			WDW-169 01 Test
305	03/17/01 12:00:00	03/31/01 23:59:59	802,869	38.4516			
306	03/31/01 23:59:59	04/30/01 23:59:59	2,050,782	47.4718			
307	04/30/01 23:59:59	05/31/01 23:59:59	1,654,268	37.0580			
308	05/31/01 23:59:59	06/30/01 23:59:59	2,334,658	54.0430			
309	06/30/01 23:59:59	07/31/01 23:59:59	1,612,493	36.1222			
310	07/31/01 23:59:59	08/31/01 23:59:59	183,962	4.1210			
311	08/31/01 23:59:59	09/07/01 18:45:00	594,093	60.8389			
312	09/07/01 18:45:00	09/16/01 07:54:17	430,825	35.0000			WDW-157 01 Test
313	09/16/01 07:54:17	09/16/01 21:54:17	30,067	35.7940			WDW-157 01 Test
314	09/16/01 21:54:17	09/17/01 12:54:17	39,550	43.9444			WDW-157 01 Test
315	09/17/01 12:54:17	09/18/01 08:24:17	49,845	42.6026			WDW-157 01 Test
316	09/18/01 08:24:17	09/19/01 11:54:17	81,383	49.3230			WDW-157 01 Test
317	09/19/01 11:54:17	09/30/01 23:59:59	1,007,839	60.8389			
318	09/30/01 23:59:59	10/31/01 23:59:59	1,468,835	32.9040			
319	10/31/01 23:59:59	11/30/01 23:59:59	1,726,033	39.9545			
320	11/30/01 23:59:59	12/31/01 23:59:59	1,397,839	31.3136			
321	12/31/01 23:59:59	01/31/02 23:59:59	1,492,361	33.4310			
322	01/31/02 23:59:59	02/28/02 23:59:59	953,524	23.6489			
323	02/28/02 23:59:59	03/12/02 17:45:19	517,793	30.6290			
324	03/12/02 17:45:19	03/13/02 18:45:19	90,000	60.0000			WDW-249 02 Test BU
325	03/13/02 18:45:19	03/14/02 10:16:00	0	0.0000			WDW-249 02 Test FO
326	03/14/02 10:16:00	03/31/02 23:59:59	775,034	30.6289			
327	03/31/02 23:59:59	04/30/02 23:59:59	1,169,629	27.0747			
328	04/30/02 23:59:59	05/31/02 23:59:59	1,231,551	27.5885			

Table 5.1.2-III, WDW-249 Rates Used for Modeling, continued

	Start Date	End Date	Lower Frio		Upper Frio		Comment
			Volume gallons	Rate gpm	Volume gallons	Rate gpm	
329	05/31/02 23:59:59	06/30/02 23:59:59	990,119	22.9194			
330	06/30/02 23:59:59	07/31/02 23:59:59	1,568,230	35.1306			
331	07/31/02 23:59:59	08/31/02 23:59:59	1,898,616	42.5317			
332	08/31/02 23:59:59	09/30/02 23:59:59	1,604,143	37.1329			
333	09/30/02 23:59:59	10/31/02 23:59:59	1,787,885	40.0512			
334	10/31/02 23:59:59	11/30/02 23:59:59	2,748,060	63.6125			
335	11/30/02 23:59:59	12/31/02 23:59:59	1,806,332	40.4644			
336	12/31/02 23:59:59	01/04/03 08:00:00	176,275	36.7238			
337	01/04/03 08:00:00	01/06/03 15:33:30	0	0.0000			WDW-169 03 Test Stab
338	01/06/03 15:33:30	01/07/03 11:03:30	81,900	70.0000			WDW-249 03 Test BU
339	01/07/03 11:03:30	01/08/03 08:46:00	0	0.0000			WDW-249 03 Test FO
340	01/08/03 08:46:00	01/31/03 23:59:59	1,249,858	36.7238			
341	01/31/03 23:59:59	02/28/03 23:59:59	1,436,188	35.6197			
342	02/28/03 23:59:59	03/31/03 23:59:59	1,918,914	42.9864			
343	03/31/03 23:59:59	04/30/03 23:59:59	1,672,389	38.7127			
344	04/30/03 23:59:59	05/31/03 23:59:59	1,123,256	25.1625			
345	05/31/03 23:59:59	06/30/03 23:59:59	1,547,218	35.8152			
346	06/30/03 23:59:59	07/31/03 23:59:59	1,449,413	32.4689			
347	07/31/03 23:59:59	08/31/03 23:59:59	1,480,536	33.1661			
348	08/31/03 23:59:59	09/30/03 23:59:59	1,472,152	34.0776			
349	09/30/03 23:59:59	10/22/03 09:31:47	880,939	28.5910			
350	10/22/03 09:31:47	10/25/03 14:49:00	0	0.0000			WDW-157 03 Test
351	10/25/03 14:49:00	10/31/03 23:59:59	262,779	28.5910			
352	10/31/03 23:59:59	11/30/03 23:59:59	806,738	18.6745			
353	11/30/03 23:59:59	12/31/03 23:59:59	164,817	3.6921			
354	12/31/03 23:59:59	01/03/04 14:00:00	215,097	57.8215			
355	01/03/04 14:00:00	01/06/04 10:25:00	0	0.0000			WDW-249 04 Test Stab
356	01/06/04 10:25:00	01/06/04 12:00:00	6,175	65.0000			WDW-249 04 Test BU
357	01/06/04 12:00:00	01/06/04 16:00:00	16,080	67.0000			WDW-249 04 Test BU
358	01/06/04 16:00:00	01/07/04 02:00:00	40,800	68.0000			WDW-249 04 Test BU
359	01/07/04 02:00:00	01/07/04 06:00:00	16,560	69.0000			WDW-249 04 Test BU
360	01/07/04 06:00:00	01/07/04 08:00:00	8,160	68.0000			WDW-249 04 Test BU
361	01/07/04 08:00:00	01/07/04 10:00:00	7,680	64.0000			WDW-249 04 Test BU
362	01/07/04 10:00:00	01/07/04 12:00:00	7,560	63.0000			WDW-249 04 Test BU
363	01/07/04 12:00:00	01/07/04 14:00:00	8,040	67.0000			WDW-249 04 Test BU
364	01/07/04 14:00:00	01/07/04 18:00:00	15,600	65.0000			WDW-249 04 Test BU
365	01/07/04 18:00:00	01/08/04 00:00:00	22,680	63.0000			WDW-249 04 Test BU
366	01/08/04 00:00:00	01/08/04 08:00:00	29,760	62.0000			WDW-249 04 Test BU
367	01/08/04 08:00:00	01/08/04 10:45:00	10,395	63.0000			WDW-249 04 Test BU
368	01/08/04 10:45:00	01/09/04 07:44:54	0	0.0000			WDW-249 04 Test FO
369	01/09/04 07:44:54	01/31/04 23:59:59	1,888,169	57.8216			
370	01/31/04 23:59:59	02/29/04 23:59:59	1,250,509	29.9451			
371	02/29/04 23:59:59	03/31/04 23:59:59	1,540,233	34.5034			
372	03/31/04 23:59:59	04/30/04 23:59:59	1,045,413	24.1994			
373	04/30/04 23:59:59	05/31/04 23:59:59	1,097,483	24.5852			
374	05/31/04 23:59:59	06/30/04 23:59:59	930,707	21.5441			
375	06/30/04 23:59:59	07/31/04 23:59:59	1,276,681	28.5995			

Table 5.1.2-III, WDW-249 Rates Used for Modeling, continued

	Start Date	End Date	Lower Frio		Upper Frio		Comment
			Volume gallons	Rate gpm	Volume gallons	Rate gpm	
376	07/31/04 23:59:59	08/31/04 23:59:59	647	0.0145			
377	08/31/04 23:59:59	09/30/04 23:59:59	746,093	17.2707			
378	09/30/04 23:59:59	10/31/04 23:59:59	459,722	10.2984			
379	10/31/04 23:59:59	11/30/04 23:59:59	1,587,630	36.7507			
380	11/30/04 23:59:59	12/31/04 23:59:59	1,419,985	31.8097			
381	12/31/04 23:59:59	01/10/05 18:00:00	409,918	29.1964			
382	01/10/05 18:00:00	01/11/05 09:45:00	0	0.0000			WDW-249 05 Test Stab
383	01/11/05 09:45:00	01/13/05 10:16:00	177,571	61.0000			WDW-249 05 Test BU
384	01/13/05 10:16:00	01/14/05 06:50:17	0	0.0000			WDW-249 05 Test FO
385	01/14/05 06:50:17	01/31/05 23:59:59	744,792	29.1964			
386	01/31/05 23:59:59	02/28/05 23:59:59	1,999,823	49.5988			
387	02/28/05 23:59:59	03/31/05 23:59:59	2,184,301	48.9315			
388	03/31/05 23:59:59	04/30/05 23:59:59	1,703,684	39.4371			
389	04/30/05 23:59:59	05/31/05 23:59:59	1,874,089	41.9823			
390	05/31/05 23:59:59	06/30/05 23:59:59	1,918,040	44.3991			
391	06/30/05 23:59:59	07/31/05 23:59:59	2,431,849	54.4769			
392	07/31/05 23:59:59	08/31/05 23:59:59	2,340,204	52.4239			
393	08/31/05 23:59:59	09/30/05 23:59:59	1,793,254	41.5105			
394	09/30/05 23:59:59	10/31/05 23:59:59	2,736,821	61.3087			
395	10/31/05 23:59:59	11/30/05 23:59:59	2,576,618	59.6439			
396	11/30/05 23:59:59	12/31/05 23:59:59	2,310,239	51.7527			
397	12/31/05 23:59:59	01/31/06 23:59:59	2,126,576	47.6384			
398	01/31/06 23:59:59	02/28/06 23:59:59	2,338,501	57.9985			
399	02/28/06 23:59:59	03/31/06 23:59:59	2,008,655	44.9968			
400	03/31/06 23:59:59	04/30/06 23:59:59	2,396,580	55.4764			
401	04/30/06 23:59:59	05/31/06 23:59:59	2,733,760	61.2401			
402	05/31/06 23:59:59	06/30/06 23:59:59	3,130,203	72.4584			
403	06/30/06 23:59:59	07/31/06 23:59:59	3,005,751	67.3331			
404	07/31/06 23:59:59	08/31/06 23:59:59	3,802,183	85.1744			
405	08/31/06 23:59:59	09/30/06 23:59:59	2,492,846	57.7048			
406	09/30/06 23:59:59	10/31/06 23:59:59	2,853,477	63.9220			
407	10/31/06 23:59:59	11/30/06 23:59:59	2,307,174	53.4068			
408	11/30/06 23:59:59	12/31/06 23:59:59	1,763,211	39.4985			
409	12/31/06 23:59:59	01/22/07 05:59:59	1,949,064	63.6949			
410	01/22/07 05:59:59	01/23/07 11:29:59	0	0.0000			
411	01/23/07 11:29:59	01/23/07 12:49:59	4,000	50.0000			WDW-249 07 Test RAT
412	01/23/07 12:49:59	01/23/07 13:49:59	3,120	52.0000			WDW-249 07 Test RAT
413	01/23/07 13:49:59	01/23/07 14:34:59	2,700	60.0000			WDW-249 07 Test RAT
414	01/23/07 14:34:59	01/23/07 15:59:59	0	0.0000			WDW-249 07 Test Stab
415	01/23/07 15:59:59	01/23/07 16:59:59	4,800	80.0000			WDW-249 07 Test BU
416	01/23/07 16:59:59	01/23/07 20:59:59	18,960	79.0000			WDW-249 07 Test BU
417	01/23/07 20:59:59	01/24/07 00:59:59	18,240	76.0000			WDW-249 07 Test BU
418	01/24/07 00:59:59	01/24/07 04:59:59	18,720	78.0000			WDW-249 07 Test BU
419	01/24/07 04:59:59	01/24/07 08:59:59	19,200	80.0000			WDW-249 07 Test BU
420	01/24/07 08:59:59	01/24/07 12:59:59	18,240	76.0000			WDW-249 07 Test BU
421	01/24/07 12:59:59	01/24/07 16:59:59	18,720	78.0000			WDW-249 07 Test BU
422	01/24/07 16:59:59	01/24/07 18:12:22	5,646	78.0014			WDW-249 07 Test BU

Table 5.1.2-III, WDW-249 Rates Used for Modeling, continued

	Start Date	End Date	Lower Frio		Upper Frio		Comment
			Volume gallons	Rate gpm	Volume gallons	Rate gpm	
423	01/24/07 18:12:22	01/25/07 14:19:59	0	0.0000			WDW-249 07 Test FO
424	01/25/07 14:19:59	01/31/07 23:59:59	645,400	70.0000			
425	01/31/07 23:59:59	02/28/07 23:59:59	2,870,853	71.2017			
426	02/28/07 23:59:59	03/31/07 23:59:59	4,291,614	96.1383			
427	03/31/07 23:59:59	04/30/07 23:59:59	4,199,056	97.2004			
428	04/30/07 23:59:59	05/31/07 23:59:59	3,579,457	80.1850			
429	05/31/07 23:59:59	06/30/07 23:59:59	3,857,594	89.2962			
430	06/30/07 23:59:59	07/31/07 23:59:59	4,819,116	107.9551			
431	07/31/07 23:59:59	08/31/07 23:59:59	4,748,707	106.3778			
432	08/31/07 23:59:59	09/30/07 23:59:59	4,120,409	95.3798			
433	09/30/07 23:59:59	10/31/07 23:59:59	3,545,597	79.4265			
434	10/31/07 23:59:59	11/30/07 23:59:59	3,381,545	78.2765			
435	11/30/07 23:59:59	12/31/07 23:59:59	3,051,707	68.3626			
436	12/31/07 23:59:59	01/17/08 04:59:59	2,512,011	107.6269			
437	01/17/08 04:59:59	01/18/08 08:00:00	0	0.0000			WDW-249 08 Test Stab
438	01/18/08 08:00:00	01/19/08 11:28:33	131,884	80.0000			WDW-249 08 Test BU
439	01/19/08 11:28:33	01/20/08 11:07:59	0	0.0000			WDW-249 08 Test FO
440	01/20/08 11:07:59	01/20/08 17:14:59	0	0.0000			
441	01/20/08 17:14:59	01/31/08 23:59:59	1,705,725	105.0000			
442	01/31/08 23:59:59	02/29/08 23:59:59	2,961,936	70.9276			
443	02/29/08 23:59:59	03/31/08 23:59:59	2,515,356	56.3476			
444	03/31/08 23:59:59	04/30/08 23:59:59	3,963,580	91.7495			
445	04/30/08 23:59:59	05/31/08 23:59:59	3,276,390	73.3958			
446	05/31/08 23:59:59	06/30/08 23:59:59	3,457,206	80.0279			
447	06/30/08 23:59:59	07/31/08 23:59:59	3,133,985	70.2058			
448	07/31/08 23:59:59	08/31/08 23:59:59	3,447,485	77.2286			
449	08/31/08 23:59:59	09/30/08 23:59:59	1,529,052	35.3947			
450	09/30/08 23:59:59	10/31/08 23:59:59	3,013,181	67.4996			
451	10/31/08 23:59:59	11/30/08 23:59:59	2,456,297	56.8587			
452	11/30/08 23:59:59	12/31/08 23:59:59	2,668,192	59.7713			
453	12/31/08 23:59:59	01/31/09 07:29:59	2,241,072	51.3419			
454	01/31/09 07:29:59	01/31/09 23:59:59	0	0.0000			WDW-249 09 Test Stab
455	01/31/09 23:59:59	02/04/09 00:04:59	0	0.0000			WDW-249 09 Test Stab
456	02/04/09 00:04:59	02/05/09 07:55:14	143,269	75.0000			WDW-249 09 Test BU
457	02/05/09 07:55:14	02/06/09 06:05:54	0	0.0000			WDW-249 09 Test FO
458	02/06/09 06:05:54	02/06/09 10:14:59	0	0.0000			
459	02/06/09 10:14:59	02/28/09 23:59:59	1,622,677	49.9209			
460	02/28/09 23:59:59	03/31/09 23:59:59	3,182,736	71.2978			
461	03/31/09 23:59:59	04/30/09 23:59:59	2,172,458	50.2884			
462	04/30/09 23:59:59	05/31/09 23:59:59	1,919,988	43.0105			
463	05/31/09 23:59:59	06/30/09 23:59:59	1,301,120	30.1185			
464	06/30/09 23:59:59	07/31/09 23:59:59	2,862,516	64.1245			
465	07/31/09 23:59:59	08/31/09 23:59:59	2,176,634	48.7597			
466	08/31/09 23:59:59	09/30/09 23:59:59	2,521,704	58.3728			
467	09/30/09 23:59:59	10/31/09 23:59:59	2,808,593	62.9165			
468	10/31/09 23:59:59	11/30/09 23:59:59	2,438,564	56.4482			
469	11/30/09 23:59:59	12/31/09 23:59:59	3,370,997	75.5152			

Table 5.1.2-III, WDW-249 Rates Used for Modeling, continued

	Start Date	End Date	Lower Frio		Upper Frio		Comment
			Volume gallons	Rate gpm	Volume gallons	Rate gpm	
470	12/31/09 23:59:59	01/31/10 07:30:00	3,129,638	71.6984			
471	01/31/10 07:30:00	01/31/10 23:59:59	0	0.0000			WDW-249 10 Test Stab
472	01/31/10 23:59:59	02/04/10 00:04:59	0	0.0000			WDW-249 10 Test Stab
473	02/04/10 00:04:59	02/04/10 09:52:16	44,046	75.0000			WDW-249 10 Test BU
474	02/04/10 09:52:16	02/05/10 07:30:26	0	0.0000			WDW-249 10 Test FO
475	02/05/10 07:30:26	02/05/10 10:34:59	0	0.0000			
476	02/05/10 10:34:59	02/28/10 23:59:59	3,221,055	94.9463			
477	02/28/10 23:59:59	03/31/10 23:59:59	3,578,602	80.1658			
478	03/31/10 23:59:59	04/30/10 23:59:59	3,750,470	86.8164			
479	04/30/10 23:59:59	05/31/10 23:59:59	3,430,324	76.8442			
480	05/31/10 23:59:59	06/30/10 23:59:59	3,273,663	75.7792			
481	06/30/10 23:59:59	07/31/10 23:59:59	3,750,398	84.0143			
482	07/31/10 23:59:59	08/31/10 23:59:59	2,886,490	64.6615			
483	08/31/10 23:59:59	09/30/10 23:59:59	2,820,400	65.2870			
484	09/30/10 23:59:59	10/31/10 23:59:59	2,414,451	54.0872			
485	10/31/10 23:59:59	11/30/10 23:59:59	2,418,474	55.9832			
486	11/30/10 23:59:59	12/31/10 23:59:59	2,352,171	52.6920			
487	12/31/10 23:59:59	01/28/11 17:14:59	1,953,523	48.9421			
488	01/28/11 17:14:59	01/29/11 07:29:59	0	0.0000			WDW-249 11 Test Stab
489	01/29/11 07:29:59	01/31/11 10:48:02	215,464	70.0000			WDW-249 11 Test BU
490	01/31/11 10:48:02	01/31/11 23:59:59	0	0.0000			WDW-249 11 Test FO
491	01/31/11 23:59:59	02/01/11 07:11:33	0	0.0000			WDW-249 11 Test FO
492	02/01/11 07:11:33	02/01/11 11:05:59	0	0.0000			
493	02/01/11 11:05:59	02/28/11 23:59:59	2,481,992	62.5912			
494	02/28/11 23:59:59	03/31/11 23:59:59	2,348,228	52.6037			
495	03/31/11 23:59:59	04/30/11 23:59:59	1,968,903	45.5765			
496	04/30/11 23:59:59	05/31/11 23:59:59	1,771,156	39.6764			
497	05/31/11 23:59:59	06/30/11 23:59:59	1,878,896	43.4930			
498	06/30/11 23:59:59	07/31/11 23:59:59	1,284,317	28.7705			
499	07/31/11 23:59:59	08/31/11 23:59:59	1,713,972	38.3954			
500	08/31/11 23:59:59	09/30/11 23:59:59	2,310,669	53.4877			
501	09/30/11 23:59:59	10/31/11 23:59:59	1,925,151	43.1261			
502	10/31/11 23:59:59	11/30/11 23:59:59	1,792,869	41.5016			
503	11/30/11 23:59:59	12/31/11 23:59:59	2,602,048	58.2896			
504	12/31/11 23:59:59	01/31/12 23:59:59	2,341,014	52.4421			
505	01/31/12 23:59:59	02/29/12 23:59:59	3,032,515	72.6177			
506	02/29/12 23:59:59	03/04/12 00:00:00	357,611	82.7800			
507	03/04/12 00:00:00	03/17/12 16:44:59	0	0.0000			WDW-249 12 Test Stab
508	03/17/12 16:44:59	03/18/12 16:28:05	106,733	75.0000			WDW-249 12 Test BU
509	03/18/12 16:28:05	03/19/12 06:55:54	0	0.0000			WDW-249 12 Test FO
510	03/19/12 06:55:54	03/19/12 15:14:59	0	0.0000			
511	03/19/12 15:14:59	03/31/12 23:59:59	1,473,894	82.7798			
512	03/31/12 23:59:59	04/30/12 23:59:59	2,116,043	48.9825			
513	04/30/12 23:59:59	05/31/12 23:59:59	2,761,851	61.8694			
514	05/31/12 23:59:59	06/30/12 23:59:59	2,776,947	64.2812			
515	06/30/12 23:59:59	07/31/12 23:59:59	2,798,671	62.6942			
516	07/31/12 23:59:59	08/31/12 23:59:59	2,868,027	64.2479			

Table 5.1.2-III, WDW-249 Rates Used for Modeling, continued

	Start Date	End Date	Lower Frio		Upper Frio		Comment
			Volume gallons	Rate gpm	Volume gallons	Rate gpm	
517	08/31/12 23:59:59	09/30/12 23:59:59	3,228,603	74.7362			
518	09/30/12 23:59:59	10/31/12 23:59:59	2,761,148	61.8537			
519	10/31/12 23:59:59	11/30/12 23:59:59	2,089,891	48.3771			
520	11/30/12 23:59:59	12/31/12 23:59:59	2,191,818	49.0999			
521	12/31/12 23:59:59	01/31/13 23:59:59	2,343,393	52.4954			
522	01/31/13 23:59:59	02/03/13 09:29:59	296,018	85.8023			
523	02/03/13 09:29:59	02/05/13 09:29:59	0	0.0000			WDW-249 13 Test Stab
524	02/05/13 09:29:59	02/07/13 10:28:12	220,366	74.9999			WDW-249 13 Test BU
525	02/07/13 10:28:12	02/08/13 05:55:53	0	0.0000			WDW-249 13 Test FO
526	02/08/13 05:55:53	02/14/13 22:59:59	0	0.0000			
527	02/14/13 22:59:59	02/28/13 23:59:59	1,732,854	85.7000			
528	02/28/13 23:59:59	03/31/13 23:59:59	2,566,580	57.4951			
529	03/31/13 23:59:59	04/30/13 23:59:59	2,292,229	53.0609			
530	04/30/13 23:59:59	05/31/13 23:59:59	2,284,286	51.1713			
531	05/31/13 23:59:59	06/30/13 23:59:59	2,764,928	64.0030			
532	06/30/13 23:59:59	07/31/13 23:59:59	2,319,564	51.9616			
533	07/31/13 23:59:59	08/31/13 23:59:59	2,668,026	59.7676			
534	08/31/13 23:59:59	09/30/13 23:59:59	2,054,104	47.5487			
535	09/30/13 23:59:59	10/31/13 23:59:59	2,962,770	66.3703			
536	10/31/13 23:59:59	11/30/13 23:59:59	2,091,421	48.4125			
537	11/30/13 23:59:59	12/31/13 23:59:59	1,129,170	25.2950			
538	12/31/13 23:59:59	01/15/14 16:59:59	0	0.0000			
539	01/15/14 16:59:59	01/23/14 09:59:59	1,238,115	111.5419			
540	01/23/14 09:59:59	01/25/14 09:59:59	0	0.0000			WDW-249 13 Test Stab
541	01/25/14 09:59:59	01/27/14 10:02:41	213,456	74.0472			WDW-249 13 Test BU
542	01/27/14 10:02:41	01/28/14 07:24:02	0	0.0000			WDW-249 13 Test FO
543	01/28/14 07:24:02	01/28/14 15:19:59	0	0.0000			
544	01/28/14 15:19:59	01/31/14 23:59:59	539,859	111.5411			
545	01/31/14 23:59:59	02/28/14 23:59:59	1,826,884	45.3096			
546	02/28/14 23:59:59	03/31/14 23:59:59	2,182,799	48.8978			
547	03/31/14 23:59:59	04/30/14 23:59:59	2,471,246	57.2048			
548	04/30/14 23:59:59	05/31/14 23:59:59	2,828,163	63.3549			
549	05/31/14 23:59:59	12/31/14 23:59:59	69,336,000	225.0000			
550	12/31/14 23:59:59	12/31/15 23:59:59	236,520,000	450.0000			
551	12/31/15 23:59:59	12/31/30 23:59:59	3,550,392,000	450.0000			Future
552	12/31/30 23:59:59	12/31/31 23:59:59	0	0.0000			Post-Op Shutin

Table 5.1.2-IV

Offset Class I & Class II Injection Well Rates Used for Modeling

	Start Date	End Date	Injection Rate (gpm)														
			WDW-172	WDW-173	WDW-222	WDW-223	WDW-36	WDW-147	WDW-148	WDW-162	WDW-319	WDW-397	WDW-398	Map ID #110	Map ID #127	Map ID #139	Map ID #166
1		05/31/69 23:59:59					0.0000										
2	05/31/69 23:59:59	06/30/69 23:59:59					408.5333										
3	06/30/69 23:59:59	12/31/69 23:59:59					162.7065										
4	12/31/69 23:59:59	06/30/70 23:59:59					496.0404										
5	06/30/70 23:59:59	12/31/70 23:59:59					249.1033										
6	12/31/70 23:59:59	06/30/71 23:59:59					256.3189										
7	06/30/71 23:59:59	12/31/71 23:59:59					253.4728										
8	12/31/71 23:59:59	06/30/72 23:59:59					294.3846										
9	06/30/72 23:59:59	12/31/72 23:59:59					279.3043										
10	12/31/72 23:59:59	06/30/73 23:59:59					283.4641										
11	06/30/73 23:59:59	12/31/73 23:59:59					289.8587										
12	12/31/73 23:59:59	06/30/74 23:59:59					266.8453										
13	06/30/74 23:59:59	12/31/74 23:59:59					205.6250										
14	12/31/74 23:59:59	06/30/75 23:59:59					187.0138										
15	06/30/75 23:59:59	12/31/75 23:59:59					235.3478										
16	12/31/75 23:59:59	06/30/76 23:59:59					231.7582										
17	06/30/76 23:59:59	12/31/76 23:59:59					229.7283										
18	12/31/76 23:59:59	06/30/77 23:59:59					275.1271										
19	06/30/77 23:59:59	12/31/77 23:59:59					213.7446										
20	12/31/77 23:59:59	06/30/78 23:59:59					237.3867		0.0000								
21	06/30/78 23:59:59	12/31/78 23:59:59					231.9402		31.4475								
22	12/31/78 23:59:59	06/30/79 23:59:59					131.9006	0.0000	128.4436								
23	06/30/79 23:59:59	11/30/79 23:59:59	0.0000				172.4348	80.1857	229.0931								
24	11/30/79 23:59:59	12/31/79 23:59:59	53.0000							0.0000							
25	12/31/79 23:59:59	01/31/80 23:59:59	62.1700														
26	01/31/80 23:59:59	02/29/80 23:59:59	63.7400														
27	02/29/80 23:59:59	03/31/80 23:59:59	56.6200														
28	03/31/80 23:59:59	04/30/80 23:59:59	46.8300				218.2857	30.1237	122.6805	47.5486							
29	04/30/80 23:59:59	05/31/80 23:59:59	52.1300														
30	05/31/80 23:59:59	06/30/80 23:59:59	47.8300														

Table 5.1.2-IV, Continued

Offset Class I & Class II Injection Well Rates Used for Modeling

	Start Date	End Date	Injection Rate (gpm)														
			WDW-172	WDW-173	WDW-222	WDW-223	WDW-36	WDW-147	WDW-148	WDW-162	WDW-319	WDW-397	WDW-398	Map ID #110	Map ID #127	Map ID #139	Map ID #166
31	06/30/80 23:59:59	07/31/80 23:59:59	52.3700														
32	07/31/80 23:59:59	08/31/80 23:59:59	57.6700														
33	08/31/80 23:59:59	09/30/80 23:59:59	60.6600														
34	09/30/80 23:59:59	10/31/80 23:59:59	70.5100				60.6359	23.5108	149.4009	32.4479							
35	10/31/80 23:59:59	11/30/80 23:59:59	78.3800														
36	11/30/80 23:59:59	12/31/80 23:59:59	52.7300														
37	12/31/80 23:59:59	01/31/81 23:59:59	65.2900														
38	01/31/81 23:59:59	02/28/81 23:59:59	85.6300	0.0000													
39	02/28/81 23:59:59	03/31/81 23:59:59	55.3300	118.1000													
40	03/31/81 23:59:59	04/30/81 23:59:59	63.9000	121.5000			0.0000	36.3237	96.3143	46.5801							
41	04/30/81 23:59:59	05/31/81 23:59:59	50.1400	132.2000													
42	05/31/81 23:59:59	06/30/81 23:59:59	48.7300	131.2600													
43	06/30/81 23:59:59	07/31/81 23:59:59	47.8600	121.0000													
44	07/31/81 23:59:59	08/31/81 23:59:59	37.9100	121.0000													
45	08/31/81 23:59:59	09/30/81 23:59:59	38.3300	121.0000													
46	09/30/81 23:59:59	10/31/81 23:59:59	42.1300	121.0000			0.0000	44.2382	77.8531	40.1810							
47	10/31/81 23:59:59	11/30/81 23:59:59	42.7700	121.0000													
48	11/30/81 23:59:59	12/31/81 23:59:59	46.0900	121.0000													
49	12/31/81 23:59:59	01/31/82 23:59:59	49.9600	117.8000													
50	01/31/82 23:59:59	02/28/82 23:59:59	50.3500	129.6000													
51	02/28/82 23:59:59	03/31/82 23:59:59	46.3700	108.4000													
52	03/31/82 23:59:59	04/30/82 23:59:59	47.4500	121.5000			0.0000	83.8561	55.2136	23.2354							
53	04/30/82 23:59:59	05/31/82 23:59:59	51.9700	114.7000													
54	05/31/82 23:59:59	06/30/82 23:59:59	8.8000	61.8000													
55	06/30/82 23:59:59	07/31/82 23:59:59	0.0000	58.5000													
56	07/31/82 23:59:59	08/31/82 23:59:59	35.8400	103.5000													
57	08/31/82 23:59:59	09/30/82 23:59:59	55.5600	91.2000			0.0000	117.1397	64.8672	27.0313							
58	09/30/82 23:59:59	10/31/82 23:59:59	51.5200	93.2000													
59	10/31/82 23:59:59	11/30/82 23:59:59	43.2900	86.8000													
60	11/30/82 23:59:59	12/31/82 23:59:59	35.8400	67.2000													

Table 5.1.2-IV, Continued

Offset Class I & Class II Injection Well Rates Used for Modeling

	Start Date	End Date	Injection Rate (gpm)														
			WDW-172	WDW-173	WDW-222	WDW-223	WDW-36	WDW-147	WDW-148	WDW-162	WDW-319	WDW-397	WDW-398	Map ID #110	Map ID #127	Map ID #139	Map ID #166
61	12/31/82 23:59:59	01/31/83 23:59:59	45.2300	102.2000													
62	01/31/83 23:59:59	02/28/83 23:59:59	49.8500	102.9000													
63	02/28/83 23:59:59	03/31/83 23:59:59	55.7800	108.8000													
64	03/31/83 23:59:59	04/30/83 23:59:59	57.6200	111.7000			0.0000	131.1004	123.5418	51.7454							
65	04/30/83 23:59:59	05/31/83 23:59:59	51.3000	93.9000													
66	05/31/83 23:59:59	06/30/83 23:59:59	53.0100	109.0000													
67	06/30/83 23:59:59	07/31/83 23:59:59	56.6600	54.0000													
68	07/31/83 23:59:59	08/31/83 23:59:59	31.8100	90.7000													
69	08/31/83 23:59:59	09/30/83 23:59:59	7.6400	160.0000													
70	09/30/83 23:59:59	10/31/83 23:59:59	65.8600	116.0000			0.0000	180.0272	165.6078	85.4763							
71	10/31/83 23:59:59	11/30/83 23:59:59	64.8200	122.7000													
72	11/30/83 23:59:59	12/31/83 23:59:59	70.5700	101.0000													
73	12/31/83 23:59:59	01/31/84 23:59:59	57.6800	111.5000													
74	01/31/84 23:59:59	02/29/84 23:59:59	85.4200	117.1000													
75	02/29/84 23:59:59	03/31/84 23:59:59	55.1800	89.2000													
76	03/31/84 23:59:59	04/30/84 23:59:59	58.1000	97.0000			0.0000	201.1371	152.2392	81.9595							
77	04/30/84 23:59:59	05/31/84 23:59:59	93.0300	148.2000													
78	05/31/84 23:59:59	06/30/84 23:59:59	41.7200	63.5000													
79	06/30/84 23:59:59	07/31/84 23:59:59	66.9100	101.3000													
80	07/31/84 23:59:59	08/31/84 23:59:59	71.1900	133.8000													
81	08/31/84 23:59:59	09/30/84 23:59:59	73.4000	121.5000													
82	09/30/84 23:59:59	10/31/84 23:59:59	68.5900	122.3000			0.0000	164.6131	150.3004	85.3641							
83	10/31/84 23:59:59	11/30/84 23:59:59	67.8200	118.3000		0.0000											
84	11/30/84 23:59:59	12/31/84 23:59:59	65.2800	114.8000		3.3000											
85	12/31/84 23:59:59	01/31/85 23:59:59	77.6600	116.4000		5.1000											
86	01/31/85 23:59:59	02/28/85 23:59:59	86.1400	133.9000		5.8000											
87	02/28/85 23:59:59	03/31/85 23:59:59	78.2700	115.0000		4.1000											
88	03/31/85 23:59:59	04/30/85 23:59:59	87.1500	135.9000		21.3000	0.0000	157.3204	134.4017	73.6730							
89	04/30/85 23:59:59	05/31/85 23:59:59	86.4500	120.8000		64.1000											
90	05/31/85 23:59:59	06/30/85 23:59:59	71.1700	113.1000		51.3000											

Table 5.1.2-IV, Continued

Offset Class I & Class II Injection Well Rates Used for Modeling

	Start Date	End Date	Injection Rate (gpm)														
			WDW-172	WDW-173	WDW-222	WDW-223	WDW-36	WDW-147	WDW-148	WDW-162	WDW-319	WDW-397	WDW-398	Map ID #110	Map ID #127	Map ID #139	Map ID #166
91	06/30/85 23:59:59	07/31/85 23:59:59	69.0000	101.0000		12.1000											
92	07/31/85 23:59:59	08/31/85 23:59:59	97.4000	122.7000		13.9000											
93	08/31/85 23:59:59	09/30/85 23:59:59	91.0700	122.7000		15.5000	0.0000	169.4837	159.3079	96.3374							
94	09/30/85 23:59:59	10/31/85 23:59:59	90.7500	101.7000		10.5000											
95	10/31/85 23:59:59	11/30/85 23:59:59	100.4900	112.6000		13.4000											
96	11/30/85 23:59:59	12/31/85 23:59:59	97.3400	118.1000		42.6000											
97	12/31/85 23:59:59	01/31/86 23:59:59	115.0000	108.1000		30.2000											
98	01/31/86 23:59:59	02/28/86 23:59:59	108.7100	85.5000		23.7000											
99	02/28/86 23:59:59	03/31/86 23:59:59	88.0400	77.1000	0.0000	25.1000	0.0000	165.2109	164.9254	102.1820							
100	03/31/86 23:59:59	04/30/86 23:59:59	81.6200	96.9000	14.5000	24.5000											
101	04/30/86 23:59:59	05/31/86 23:59:59	77.0000	108.7000	18.2000	26.1000											
102	05/31/86 23:59:59	06/30/86 23:59:59	67.9400	102.1000	7.2000	30.2000											
103	06/30/86 23:59:59	07/31/86 23:59:59	88.4400	100.5000	38.4000	15.1000											
104	07/31/86 23:59:59	08/31/86 23:59:59	78.8300	100.9000	2.9000	65.6000											
105	08/31/86 23:59:59	09/30/86 23:59:59	73.4700	103.1000	13.2000	50.0000	93.4116	195.1980	167.6810	89.6419							
106	09/30/86 23:59:59	10/31/86 23:59:59	98.5887	114.8746	41.4000	24.2000											
107	10/31/86 23:59:59	11/30/86 23:59:59	80.5787	110.4167	39.9000	20.0000											
108	11/30/86 23:59:59	12/31/86 23:59:59	26.0977	41.0842	50.4000	0.0000											
109	12/31/86 23:59:59	01/31/87 23:59:59	65.5018	92.4283	35.3000	1.2000	85.8629	206.7695	194.1422	96.6886							
110	01/31/87 23:59:59	02/28/87 23:59:59	93.7252	96.0069	19.0000	2.4000	0.0000	205.6652	188.4229	98.9239							
111	02/28/87 23:59:59	03/31/87 23:59:59	86.4471	78.7410	19.4000	5.5000	0.0000	202.7216	176.5506	98.2312							
112	03/31/87 23:59:59	04/30/87 23:59:59	76.5278	79.9769	33.5000	32.3000	0.0000	186.9931	183.2775	92.3984							
113	04/30/87 23:59:59	05/31/87 23:59:59	79.6819	97.5582	36.0000	12.2000	0.0000	197.4881	179.8846	124.0517							
114	05/31/87 23:59:59	06/30/87 23:59:59	79.9306	96.1574	43.7731	7.0833	0.0000	189.7322	181.5470	95.5988							
115	06/30/87 23:59:59	07/31/87 23:59:59	66.0394	82.2581	79.7491	77.5314	0.0000	222.2787	192.8510	108.8320							
116	07/31/87 23:59:59	08/31/87 23:59:59	77.1729	92.7419	122.1326	85.2151	0.0000	231.6335	190.9095	101.5730							
117	08/31/87 23:59:59	09/30/87 23:59:59	87.3380	87.2222	89.0046	57.5000	0.0000	219.8433	156.8780	94.1262							
118	09/30/87 23:59:59	10/31/87 23:59:59	65.2106	87.5896	42.0027	61.2007	0.0000	212.3123	105.9702	26.8911							
119	10/31/87 23:59:59	11/30/87 23:59:59	81.7593	100.1157	49.5833	55.4630	0.0000	206.3102	197.8683	101.4308							
120	11/30/87 23:59:59	12/31/87 23:59:59	69.7581	88.2392	49.6864	31.2500	0.0000	214.0916	195.4657	98.6440							

Table 5.1.2-IV, Continued

Offset Class I & Class II Injection Well Rates Used for Modeling

	Start Date	End Date	Injection Rate (gpm)														
			WDW-172	WDW-173	WDW-222	WDW-223	WDW-36	WDW-147	WDW-148	WDW-162	WDW-319	WDW-397	WDW-398	Map ID #110	Map ID #127	Map ID #139	Map ID #166
121	12/31/87 23:59:59	01/31/88 23:59:59	61.8056	76.2545	94.6013	23.4095	0.0000	202.1539	206.0509	89.3609							
122	01/31/88 23:59:59	02/29/88 23:59:59	65.7328	62.5479	20.6897	82.7586	0.0000	193.6233	210.9662	93.1686							
123	02/29/88 23:59:59	03/31/88 23:59:59	52.0385	90.6138	0.1120	137.7016	0.0000	177.5818	214.1868	94.2518							
124	03/31/88 23:59:59	04/30/88 23:59:59	60.3704	109.1898	1.4583	91.2500	0.0000	200.5537	256.1910	101.0556							
125	04/30/88 23:59:59	05/31/88 23:59:59	37.2984	104.9955	7.1685	94.0636	0.0000	190.2973	253.2744	117.2841							
126	05/31/88 23:59:59	06/30/88 23:59:59	76.0417	47.2917	3.6111	110.0694	0.0000	203.3565	265.3197	114.1815							
127	06/30/88 23:59:59	07/31/88 23:59:59	58.9830	92.6523	0.0000	78.3154	0.0000	200.4431	215.3553	112.4068							
128	07/31/88 23:59:59	08/31/88 23:59:59	39.6837	89.6794	60.5511	37.5448	0.0000	198.3179	210.4448	105.1576							
129	08/31/88 23:59:59	09/30/88 23:59:59	47.9167	94.2361	63.6343	0.0000	0.0000	186.1762	199.9372	112.9228							
130	09/30/88 23:59:59	10/31/88 23:59:59	52.8345	92.9847	6.6084	34.9014	0.0000	198.7245	209.9023	112.1234							
131	10/31/88 23:59:59	11/30/88 23:59:59	68.7000	80.7038	44.7222	69.1898	0.0000	207.1375	219.1373	120.2112							
132	11/30/88 23:59:59	12/31/88 23:59:59	60.5790	84.8794	158.5349	0.0000	0.0000	196.1508	203.9153	114.3650							
133	12/31/88 23:59:59	01/31/89 23:59:59	66.4556	97.2581	72.1326	0.0000	0.0000	182.0650	209.3114	125.8672							
134	01/31/89 23:59:59	02/28/89 23:59:59	82.2605	99.0580	95.6845	0.4216	0.0000	196.3822	212.1970	125.0932							
135	02/28/89 23:59:59	03/31/89 23:59:59	74.2954	93.8351	88.4857	4.8611	0.0000	210.2086	207.5177	136.1234							
136	03/31/89 23:59:59	04/30/89 23:59:59	61.9625	101.6650	100.0231	0.0000	0.0000	216.7725	205.7860	121.1308							
137	04/30/89 23:59:59	05/31/89 23:59:59	55.9746	99.8992	70.8557	0.0896	0.0000	214.4064	188.3098	128.6200							
138	05/31/89 23:59:59	06/30/89 23:59:59	59.3206	97.1017	112.9398	0.0694	0.0000	216.3986	162.0905	118.6435							
139	06/30/89 23:59:59	07/31/89 23:59:59	62.0169	124.4556	148.7679	0.0000	0.0000	211.8961	182.4427	122.7026							
140	07/31/89 23:59:59	08/31/89 23:59:59	56.5282	107.6040	121.9982	2.1953	0.0000	205.1960	168.1292	107.7677							
141	08/31/89 23:59:59	09/30/89 23:59:59	38.2738	66.8521	28.0093	18.2176	0.0000	208.7153	177.3412	168.7575							
142	09/30/89 23:59:59	10/31/89 23:59:59	35.6913	57.9375	0.0000	99.0367	0.0000	221.3712	172.5912	168.6466							
143	10/31/89 23:59:59	11/30/89 23:59:59	51.2492	109.3188	0.0000	136.0880	0.0000	205.9169	172.6931	161.2963							
144	11/30/89 23:59:59	12/31/89 23:59:59	67.8780	133.5040	1.2097	65.3450	0.0000	177.3842	161.0241	162.7686							
145	12/31/89 23:59:59	01/31/90 23:59:59	61.9790	114.0863	0.0000	123.6335	0.0000	211.9498	181.6383	180.2531							
146	01/31/90 23:59:59	02/28/90 23:59:59	86.8884	97.5674	0.1488	66.3194	0.0000	213.5555	185.4543	186.5252							
147	02/28/90 23:59:59	03/31/90 23:59:59	70.2948	89.6831	0.0000	36.2679	0.0000	190.1680	170.7992	171.9253							
148	03/31/90 23:59:59	04/30/90 23:59:59	47.4863	63.5058	0.0000	150.9028	0.0000	226.5988	118.4261	126.0327							
149	04/30/90 23:59:59	05/31/90 23:59:59	63.7728	89.8464	82.9077	28.9427	0.0000	223.8161	141.5268	141.7824							
150	05/31/90 23:59:59	06/30/90 23:59:59	7.7719	134.1700	110.1620	0.0000	0.0000	242.0796	149.1168	150.7895							

Table 5.1.2-IV, Continued

Offset Class I & Class II Injection Well Rates Used for Modeling

	Start Date	End Date	Injection Rate (gpm)														
			WDW-172	WDW-173	WDW-222	WDW-223	WDW-36	WDW-147	WDW-148	WDW-162	WDW-319	WDW-397	WDW-398	Map ID #110	Map ID #127	Map ID #139	Map ID #166
151	06/30/90 23:59:59	07/31/90 23:59:59	0.0000	143.5077	111.1111	0.0000	6.2407	261.5488	29.2177	27.1890							
152	07/31/90 23:59:59	08/31/90 23:59:59		130.2472	47.9391	0.0000	9.3429	259.4516	0.0000	0.0000							
153	08/31/90 23:59:59	09/30/90 23:59:59		122.2979	15.2778	5.3241	5.1296	241.9229	0.0000	0.0000							
154	09/30/90 23:59:59	10/31/90 23:59:59		140.9165	22.6254	0.0000	15.0497	235.4162	0.0000	0.0000							
155	10/31/90 23:59:59	11/30/90 23:59:59		92.9975	99.7685	0.0000	12.2764	224.9567	0.0000	21.7384							
156	11/30/90 23:59:59	12/31/90 23:59:59		78.8399	97.8943	13.6649	8.1156	236.6319	39.1136	38.4158							
157	12/31/90 23:59:59	01/31/91 23:59:59		128.0855	5.8244	29.5699	7.3308	237.5034	184.8942	40.6502							
158	01/31/91 23:59:59	02/28/91 23:59:59		108.9522	0.0000	90.2778	5.6972	261.6000	246.5252	63.5029							
159	02/28/91 23:59:59	03/31/91 23:59:59		135.7903	48.8351	69.6685	5.0491	244.6647	246.6619	68.2356							
160	03/31/91 23:59:59	04/30/91 23:59:59		125.1525	90.2778	54.1667	4.4563	236.2442	232.1759	65.2778							
161	04/30/91 23:59:59	05/31/91 23:59:59		111.4040	68.1004	54.4355	9.6680	231.0815	184.8118	142.2491							
162	05/31/91 23:59:59	06/30/91 23:59:59		91.0188	56.7130	82.1759	5.9285	239.1859	149.5370	102.5463							
163	06/30/91 23:59:59	07/31/91 23:59:59		154.1778	45.6989	55.1075	10.2876	231.0793	142.0475	65.7930							
164	07/31/91 23:59:59	08/31/91 23:59:59		83.4690	35.8423	108.1989	4.0766	249.8580	157.1909	151.0081							
165	08/31/91 23:59:59	09/30/91 23:59:59		54.6200	15.9722	116.8981	0.0000	237.5683	185.1157	161.8519							
166	09/30/91 23:59:59	10/31/91 23:59:59		27.6383	37.4104	60.7079	0.0000	224.0022	180.8020	175.4256							
167	10/31/91 23:59:59	11/30/91 23:59:59		179.7875	0.0000	135.4167	0.0000	248.4354	196.1806	179.7222							
168	11/30/91 23:59:59	12/31/91 23:59:59		90.6690	22.4014	111.1111	0.0000	238.6138	189.4265	173.6111							
169	12/31/91 23:59:59	01/31/92 23:59:59		107.4681	5.3763	123.4319		228.1326	154.5486	151.7625							
170	01/31/92 23:59:59	02/28/92 23:59:59		118.8138	155.6513	0.0000		275.4700	171.9565	155.9738							
171	02/28/92 23:59:59	03/30/92 23:59:59		49.7681	135.7527	2.6882		260.8172	147.1748	132.4452							
172	03/30/92 23:59:59	04/30/92 23:59:59		79.9671	99.3056	33.1019		219.6225	141.5301	133.8973							
173	04/30/92 23:59:59	05/31/92 23:59:59		52.8790	122.3118	0.0000		214.1611	145.7578	134.3510							
174	05/31/92 23:59:59	06/30/92 23:59:59		24.5913	43.9815	0.0000		244.3618	142.2664	136.6634							
175	06/30/92 23:59:59	07/31/92 23:59:59			28.4050	0.0000		207.6655	133.8010	126.1662							
176	07/31/92 23:59:59	08/31/92 23:59:59			31.5412	0.0000		204.1770	152.5306	149.4060							
177	08/31/92 23:59:59	09/30/92 23:59:59		50.0000	26.4352	1.4815		221.7889	184.6978	181.3025							
178	09/30/92 23:59:59	10/31/92 23:59:59			29.5699	0.0000		205.9397	0.0000	0.0000							
179	10/31/92 23:59:59	11/30/92 23:59:59			13.4259	14.6759		220.0847	0.0000	0.0000							
180	11/30/92 23:59:59	12/31/92 23:59:59			16.8011	1.6129		207.0392	0.0000	0.0000							

Table 5.1.2-IV, Continued

Offset Class I & Class II Injection Well Rates Used for Modeling

	Start Date	End Date	Injection Rate (gpm)														
			WDW-172	WDW-173	WDW-222	WDW-223	WDW-36	WDW-147	WDW-148	WDW-162	WDW-319	WDW-397	WDW-398	Map ID #110	Map ID #127	Map ID #139	Map ID #166
181	12/31/92 23:59:59	01/31/93 23:59:59			19.2652	0.0000		229.0172	211.0282	207.9524							
182	01/31/93 23:59:59	02/28/93 23:59:59			10.6647	0.0000		208.6496	214.0170	211.9454							
183	02/28/93 23:59:59	03/31/93 23:59:59			11.8728	0.0000		246.7126	228.6244	224.2192							
184	03/31/93 23:59:59	04/30/93 23:59:59			13.1944	0.0000		236.2616	216.8871	215.4194							
185	04/30/93 23:59:59	05/31/93 23:59:59			15.4570	0.0000		244.0621	211.1902	209.7586							
186	05/31/93 23:59:59	06/30/93 23:59:59			16.8981	0.0000		246.0502	191.2369	191.6587							
187	06/30/93 23:59:59	07/31/93 23:59:59		50.0000	7.3925	0.0000		208.8855	183.9194	181.7742							
188	07/31/93 23:59:59	08/31/93 23:59:59			7.8405	0.0000		247.8772	220.4480	219.6480							
189	08/31/93 23:59:59	09/30/93 23:59:59			7.4074	1.1574		222.0676	211.4000	211.0563							
190	09/30/93 23:59:59	10/31/93 23:59:59			16.3530	0.0000		247.8230	227.4313	229.5923							
191	10/31/93 23:59:59	11/30/93 23:59:59			16.6667	0.0000		256.6718	227.1102	229.5582							
192	11/30/93 23:59:59	12/31/93 23:59:59			14.3369	0.0000		240.3286	221.1210	218.8244							
193	12/31/93 23:59:59	01/31/94 23:59:59			12.3656	0.0000		246.1414	210.0343	209.9916							
194	01/31/94 23:59:59	02/28/94 23:59:59			12.9712	0.0000		231.8251	200.7500	201.2500							
195	02/28/94 23:59:59	03/31/94 23:59:59			14.8073	0.0000		244.9904	184.1452	183.2984							
196	03/31/94 23:59:59	04/30/94 23:59:59			8.3333	0.0000		229.0282	213.1500	213.3167							
197	04/30/94 23:59:59	05/31/94 23:59:59			19.0412	0.0000		251.3824	222.3530	225.7043							
198	05/31/94 23:59:59	06/30/94 23:59:59			20.6019	0.0000		229.2213	215.1333	212.8583							
199	06/30/94 23:59:59	07/31/94 23:59:59		50.0000	23.5215	0.0000		210.4102	213.3306	213.8952							
200	07/31/94 23:59:59	08/31/94 23:59:59			18.5932	0.0000		223.6573	230.7177	230.1532							
201	08/31/94 23:59:59	09/30/94 23:59:59			17.5926	1.6667		220.0375	236.3083	236.3083							
202	09/30/94 23:59:59	10/31/94 23:59:59			19.9373	0.0000		255.8560	215.6452	213.3871							
203	10/31/94 23:59:59	11/30/94 23:59:59			28.9352	0.0000		241.4847	117.1944	117.2870							
204	11/30/94 23:59:59	12/31/94 23:59:59			33.6022	0.0000		248.8215	216.4937	216.6048							

Table 5.1.2-IV, Continued

Offset Class I & Class II Injection Well Rates Used for Modeling

	Start Date	End Date	Injection Rate (gpm)														
			WDW-172	WDW-173	WDW-222	WDW-223	WDW-36	WDW-147	WDW-148	WDW-162	WDW-319	WDW-397	WDW-398	Map ID #110	Map ID #127	Map ID #139	Map ID #166
205	12/31/94 23:59:59	01/31/95 23:59:59			25.4928	0.0000		268.8539	233.0869	232.3548							
206	01/31/95 23:59:59	02/28/95 23:59:59			0.0000	8.5813		268.5474	230.1875	230.1875							
207	02/28/95 23:59:59	03/31/95 23:59:59			0.0000	6.0932		259.7455	232.1841	232.1492							
208	03/31/95 23:59:59	04/30/95 23:59:59			14.0741	2.0139		264.0898	249.8417	249.9583							
209	04/30/95 23:59:59	05/31/95 23:59:59			31.4068	0.0000		253.9162	226.4693	228.7657							
210	05/31/95 23:59:59	06/30/95 23:59:59			30.6944	0.0000		260.7519	238.1750	233.6713							
211	06/30/95 23:59:59	07/31/95 23:59:59		50.0000	33.1989	0.0000		267.2041	240.3145	240.1434							
212	07/31/95 23:59:59	08/31/95 23:59:59			29.7939	0.0000		231.8165	232.5806	228.8203							
213	08/31/95 23:59:59	09/30/95 23:59:59			26.8287	0.0000		200.5465	221.2000	221.2583							
214	09/30/95 23:59:59	10/31/95 23:59:59			30.6228	0.0000		230.1629	224.7339	224.7903							
215	10/31/95 23:59:59	11/30/95 23:59:59			28.9583	0.0000		204.2201	211.6505	212.7738							
216	11/30/95 23:59:59	12/31/95 23:59:59			29.9507	0.0000		223.5824	194.6272	186.3468							
217	12/31/95 23:59:59	01/31/96 23:59:59			17.6075	0.0000		236.4091	206.2563	204.1290							
218	01/31/96 23:59:59	02/28/96 23:59:59			15.1341	0.0000		228.9351	218.4488	220.9636							
219	02/28/96 23:59:59	03/31/96 23:59:59			16.4427	0.0000		199.0748	215.3629	216.5000							
220	03/31/96 23:59:59	04/30/96 23:59:59			17.9861	0.0000		207.3981	210.8167	210.8750							
221	04/30/96 23:59:59	05/31/96 23:59:59			15.0762	0.0000		244.7328	197.0587	202.7177							
222	05/31/96 23:59:59	06/30/96 23:59:59			29.1667	0.0000		232.0718	189.2917	247.2167							
223	06/30/96 23:59:59	07/31/96 23:59:59		50.0000	25.5824	0.0000		0.0000	0.0000	0.0000							
224	07/31/96 23:59:59	08/31/96 23:59:59			26.7025	0.0000		0.0000	0.0000	0.0000							
225	08/31/96 23:59:59	09/30/96 23:59:59			23.5185	1.1574		0.0000	0.0000	0.0000							
226	09/30/96 23:59:59	10/31/96 23:59:59			28.3378	0.0000		262.4485	1.7473	302.8629							
227	10/31/96 23:59:59	11/30/96 23:59:59			32.1065	0.0000		174.5780	191.2685	189.9917							
228	11/30/96 23:59:59	12/31/96 23:59:59			33.3109	0.0000		262.3685	184.4265	184.0323							

Table 5.1.2-IV, Continued

Offset Class I & Class II Injection Well Rates Used for Modeling

	Start Date	End Date	Injection Rate (gpm)														
			WDW-172	WDW-173	WDW-222	WDW-223	WDW-36	WDW-147	WDW-148	WDW-162	WDW-319	WDW-397	WDW-398	Map ID #110	Map ID #127	Map ID #139	Map ID #166
229	12/31/96 23:59:59	01/31/97 23:59:59			35.3271	0.0000		272.9217	195.8333	195.8333							
230	01/31/97 23:59:59	02/28/97 23:59:59			35.5407	0.0000		263.0458	189.3849	189.3849							
231	02/28/97 23:59:59	03/31/97 23:59:59			34.2518	0.0000		263.0656	193.2348	193.7948							
232	03/31/97 23:59:59	04/30/97 23:59:59			35.6713	0.0000		279.5139	193.7500	195.1157							
233	04/30/97 23:59:59	05/31/97 23:59:59			33.8038	0.0000		279.0995	186.6039	186.4023							
234	05/31/97 23:59:59	06/30/97 23:59:59			24.5370	0.0000		240.8472	196.7593	190.9259							
235	06/30/97 23:59:59	07/31/97 23:59:59		0.0000	29.4579	0.0000		250.2240	180.3315	180.5556							
236	07/31/97 23:59:59	08/31/97 23:59:59			28.0914	0.0000		263.6649	196.0125	195.5645							
237	08/31/97 23:59:59	09/30/97 23:59:59			26.6898	1.4583		231.0185	181.4815	181.0185							
238	09/30/97 23:59:59	10/31/97 23:59:59			30.6900	0.0000		264.1129	94.7357	183.2885							
239	10/31/97 23:59:59	11/30/97 23:59:59			32.6389	0.0000		246.7593	124.1898	208.8426							
240	11/30/97 23:59:59	12/31/97 23:59:59			34.7222	0.0000		262.7688	196.9534	197.0654							
241	12/31/97 23:59:59	01/31/98 23:59:59			47.6703	0.0000		254.9283	208.8038	208.2437							
242	01/31/98 23:59:59	02/28/98 23:59:59			48.2639	0.0000		258.1845	186.8056	186.3095							
243	02/28/98 23:59:59	03/31/98 23:59:59			38.5305	0.0000		251.7921	203.0018	203.1138							
244	03/31/98 23:59:59	04/30/98 23:59:59			38.7037	0.0000		265.2778	206.8981	205.5556							
245	04/30/98 23:59:59	05/31/98 23:59:59			40.4346	0.0000		262.0968	210.6183	211.5143							
246	05/31/98 23:59:59	06/30/98 23:59:59			35.0694	0.0000		275.0000	195.9491	194.6528							
247	06/30/98 23:59:59	07/31/98 23:59:59		0.0000	0.0000	0.0000		261.7815	191.6443	191.1962							
248	07/31/98 23:59:59	08/31/98 23:59:59			0.0000	0.0000		258.0465	206.2724	204.9731							
249	08/31/98 23:59:59	09/30/98 23:59:59			0.0000	0.0000		248.2220	191.8056	191.9213							
250	09/30/98 23:59:59	10/31/98 23:59:59			28.3154	0.0000		231.8002	212.7016	212.4776							
251	10/31/98 23:59:59	11/30/98 23:59:59			33.9352	0.0000		247.7205	203.6343	203.3565							
252	11/30/98 23:59:59	12/31/98 23:59:59			35.0582	0.0000		251.0345	214.5833	213.8889							
253	12/31/98 23:59:59	01/31/99 23:59:59			40.9498	0.0000		193.5916	211.6711	209.3190							
254	01/31/99 23:59:59	02/28/99 23:59:59			60.8135	0.0000		189.7856	210.4911	210.3175							
255	02/28/99 23:59:59	03/31/99 23:59:59			31.0260	0.0000		242.4950	208.4677	208.9830							
256	03/31/99 23:59:59	04/30/99 23:59:59			37.1065	0.0000		244.3918	201.0648	200.6713							
257	04/30/99 23:59:59	05/31/99 23:59:59		0.0000	18.5932	0.0000		237.6499	206.1604	208.8710							
258	05/31/99 23:59:59	06/30/99 23:59:59			41.3194	0.0000		286.2317	192.1528	192.0833							
259	06/30/99 23:59:59	07/31/99 23:59:59			35.1030	0.0000		267.3905	192.8315	193.2348							
260	07/31/99 23:59:59	08/31/99 23:59:59			34.8118	0.0000		230.0364	191.8235	191.0394							

Table 5.1.2-IV, Continued

Offset Class I & Class II Injection Well Rates Used for Modeling

	Start Date	End Date	Injection Rate (gpm)														
			WDW-172	WDW-173	WDW-222	WDW-223	WDW-36	WDW-147	WDW-148	WDW-162	WDW-319	WDW-397	WDW-398	Map ID #110	Map ID #127	Map ID #139	Map ID #166
261	08/31/99 23:59:59	09/30/99 23:59:59			37.1296	0.0000		250.2586	206.6667	206.6204							
262	09/30/99 23:59:59	10/31/99 23:59:59			37.0072	0.0000		249.4394	209.8790	208.8038					0.0000		
263	10/31/99 23:59:59	11/30/99 23:59:59			39.5602	0.0000		256.4991	205.2778	203.9815					12.2500		
264	11/30/99 23:59:59	12/31/99 23:59:59			47.2222	0.0000		260.1845	209.9910	209.5430					12.5417		
265	12/31/99 23:59:59	01/31/00 23:59:59			49.6192	0.0000		262.7310	214.2921	213.7321					13.8542		
266	01/31/00 23:59:59	02/29/00 23:59:59			39.9186	0.0000		260.3086	215.0144	213.9847					14.4667		
267	02/29/00 23:59:59	03/31/00 23:59:59			47.8047	0.0000		285.7203	210.2823	209.8790					14.2239		
268	03/31/00 23:59:59	04/30/00 23:59:59			42.5926	0.0000		297.1060	221.0880	221.4815					16.9400		
269	04/30/00 23:59:59	05/31/00 23:59:59			46.6398	0.0000		292.4192	213.7321	202.3746					17.6091		
270	05/31/00 23:59:59	06/30/00 23:59:59			50.9722	0.0000		276.0076	207.0139	207.2685					17.8772		
271	06/30/00 23:59:59	07/31/00 23:59:59			33.3333	0.0000		284.3256	0.0000	0.0000					17.8632		
272	07/31/00 23:59:59	08/31/00 23:59:59			34.0054	0.0000		281.1591	0.0000	0.0000					19.7910		
273	08/31/00 23:59:59	09/30/00 23:59:59			40.0694	0.0000		252.3164	0.0000	0.0000					18.3925		
274	09/30/00 23:59:59	10/31/00 23:59:59			39.5161	1.1201		267.5570	0.0000	0.0000					20.3931		
275	10/31/00 23:59:59	11/30/00 23:59:59			43.9352	0.0000		290.1078	0.0000	0.0000	0.0000				20.0171		
276	11/30/00 23:59:59	12/31/00 23:59:59			35.9991	0.0000		240.8298	0.0000	0.0000	34.9762				20.4910		
277	12/31/00 23:59:59	01/31/01 23:59:59			40.0986	0.0000		0.0000	192.1595	192.2043	260.5422				16.3776		
278	01/31/01 23:59:59	02/28/01 23:59:59			20.0149	20.3125		0.0000	199.2560	199.3800	202.0224				13.5979		
279	02/28/01 23:59:59	03/31/01 23:59:59			39.8297	2.3970		0.0000	205.3091	206.1156	228.8218				19.2472		
280	03/31/01 23:59:59	04/30/01 23:59:59			38.8194	0.0000		0.0000	186.1111	186.4352	230.6788				20.5100		
281	04/30/01 23:59:59	05/31/01 23:59:59			48.1855	0.0000		0.0000	201.1201	169.7133	182.2676				20.8513		
282	05/31/01 23:59:59	06/30/01 23:59:59			31.8750	13.0787		0.0000	206.9444	206.6204	209.9960				19.6856		
283	06/30/01 23:59:59	07/31/01 23:59:59			50.3360	0.0000		0.0000	209.0054	208.3333	257.3290				26.1305		
284	07/31/01 23:59:59	08/31/01 23:59:59			45.0493	5.1299		0.0000	221.5502	221.5502	262.3086				2.1875		
285	08/31/01 23:59:59	09/30/01 23:59:59			20.6944	43.3333		0.0000	254.1667	246.0648	254.5205				3.0625		
286	09/30/01 23:59:59	10/31/01 23:59:59			53.5394	0.0000		0.0000	217.5179	215.2778	237.3211				32.0833		
287	10/31/01 23:59:59	11/30/01 23:59:59			40.2778	12.6389		0.0000	199.3056	199.3056	258.4030				29.1667		
288	11/30/01 23:59:59	12/31/01 23:59:59			33.5573	23.1183		0.0000	190.1882	190.1882	0.0000				35.0000		
289	12/31/01 23:59:59	01/31/02 23:59:59			49.2608	0.7392		0.0000	189.6281	189.5833	259.8659				35.0000		
290	01/31/02 23:59:59	02/28/02 23:59:59			39.3105	17.3363		0.0000	184.5734	184.5734	0.0000			0.0000	36.4583		
291	02/28/02 23:59:59	03/31/02 23:59:59			46.2590	0.0000		0.0000	174.5744	175.4928	0.0000			20.1673	36.4583		
292	03/31/02 23:59:59	04/30/02 23:59:59			44.5833	2.8241		0.0000	181.5741	181.9213	226.7559			23.2215	37.9167		

Table 5.1.2-IV, Continued

Offset Class I & Class II Injection Well Rates Used for Modeling

	Start Date	End Date	Injection Rate (gpm)														
			WDW-172	WDW-173	WDW-222	WDW-223	WDW-36	WDW-147	WDW-148	WDW-162	WDW-319	WDW-397	WDW-398	Map ID #110	Map ID #127	Map ID #139	Map ID #166
293	04/30/02 23:59:59	05/31/02 23:59:59			52.4194	0.0000		0.0000	186.9848	186.0887	219.2255			24.1011	32.0833		
294	05/31/02 23:59:59	06/30/02 23:59:59			50.8565	0.9722		0.0000	174.9306	174.9769	240.3391			24.5865	35.0000		
295	06/30/02 23:59:59	07/31/02 23:59:59			41.6667	6.9444		0.0000	200.7168	168.9068	244.7154			21.9305	36.4583		
296	07/31/02 23:59:59	08/31/02 23:59:59			33.1541	14.5609		0.0000	282.0116	36.7384	244.2433			17.5056	37.9167		
297	08/31/02 23:59:59	09/30/02 23:59:59			7.8704	41.6667		0.0000	308.3102	90.2778	248.8426			26.3638	35.0000		
298	09/30/02 23:59:59	10/31/02 23:59:59			52.8674	0.0000		0.0000	295.7213	103.2706	166.6667			26.1192	1.1497		
299	10/31/02 23:59:59	11/30/02 23:59:59			40.7407	6.0185		0.0000	284.5370	90.2778	215.7407			27.0725	1.1569		
300	11/30/02 23:59:59	12/31/02 23:59:59			9.4086	39.8746		0.0000	268.2348	114.2473	258.2885			26.3714	1.0340		
301	12/31/02 23:59:59	01/31/03 23:59:59			18.5260	27.8450		0.0000	281.8772	125.0672	202.7330			26.7712	1.1102		
302	01/31/03 23:59:59	02/28/03 23:59:59			6.3492	33.8046		0.0000	259.2262	140.8978	254.4607			40.9115	2.6198		
303	02/28/03 23:59:59	03/31/03 23:59:59			0.0000	42.8539		0.0000	212.3432	147.0206	203.4942			46.2301	0.7612		
304	03/31/03 23:59:59	04/30/03 23:59:59			6.8287	35.9028		0.0000	255.8796	74.0278	228.4194			46.7104	1.3728		
305	04/30/03 23:59:59	05/31/03 23:59:59			15.1882	22.7151		0.0000	169.0636	168.0780	209.5263			43.4245	1.4517		
306	05/31/03 23:59:59	06/30/03 23:59:59			20.3935	25.0231		0.0000	189.4676	189.4907	226.8722			42.2635	1.2882		
307	06/30/03 23:59:59	07/31/03 23:59:59			39.8746	0.0000		0.0000	200.8513	191.4427	215.1456			51.7191	1.1234		
308	07/31/03 23:59:59	08/31/03 23:59:59			47.7823	0.0000		0.0000	186.9176	177.8226	203.2579			56.7508	1.4273		
309	08/31/03 23:59:59	09/30/03 23:59:59			37.5694	0.0000		0.0000	188.0093	183.8194	233.0520			57.8317	1.3767		
310	09/30/03 23:59:59	10/31/03 23:59:59			29.5027	0.8513		0.0000	263.6201	215.9050	195.4499			59.0841	2.2496		
311	10/31/03 23:59:59	11/30/03 23:59:59			31.9676	0.0000		0.0000	215.8333	201.9676	231.5429			56.0350	2.5647		
312	11/30/03 23:59:59	12/31/03 23:59:59			25.1792	0.0000		0.0000	204.7491	198.6559	206.1562			42.7452	2.1517		
313	12/31/03 23:59:59	01/31/04 23:59:59			30.8244	0.0000		0.0000	217.4059	195.9901	179.3069			50.2043	0.8157		
314	01/31/04 23:59:59	02/29/04 23:59:59			40.9483	0.0000		0.0000	188.7931	170.4502	212.9949			63.3299	2.2519		
315	02/29/04 23:59:59	03/31/04 23:59:59			32.3029	1.7249		0.0000	214.2473	213.2616	203.9767			61.2114	1.8968		
316	03/31/04 23:59:59	04/30/04 23:59:59			31.4120	1.9213		0.0000	123.3565	203.6111	212.6341			66.4436	1.7549		
317	04/30/04 23:59:59	05/31/04 23:59:59			27.6658	9.4310		0.0000	143.5260	138.3961	231.4931			64.7528	2.2684		
318	05/31/04 23:59:59	06/30/04 23:59:59			15.7176	12.7083		0.0000	191.8981	189.6991	198.0969			67.3313	1.3475		
319	06/30/04 23:59:59	07/31/04 23:59:59			27.1505	0.2688		0.0000	185.5287	185.1254	207.7128			69.5089	1.6823		
320	07/31/04 23:59:59	08/31/04 23:59:59			27.2849	0.0000		0.0000	183.4229	179.3683	211.7205			73.1340	1.7923		
321	08/31/04 23:59:59	09/30/04 23:59:59			31.6667	0.0000		0.0000	183.2639	175.9954	220.6340			57.7753	1.6819		
322	09/30/04 23:59:59	10/31/04 23:59:59			37.2984	0.5152		0.0000	186.5815	188.5081	220.8810			62.2633	1.6747		
323	10/31/04 23:59:59	11/30/04 23:59:59			23.7037	15.9954		0.0000	187.7315	187.6157	257.0065			55.9106	1.8569		
324	11/30/04 23:59:59	12/31/04 23:59:59			17.9884	15.6586		0.0000	185.1703	184.2966	229.0671			55.7554	1.6841		

Table 5.1.2-IV, Continued

Offset Class I & Class II Injection Well Rates Used for Modeling

	Start Date	End Date	Injection Rate (gpm)														
			WDW-172	WDW-173	WDW-222	WDW-223	WDW-36	WDW-147	WDW-148	WDW-162	WDW-319	WDW-397	WDW-398	Map ID #110	Map ID #127	Map ID #139	Map ID #166
325	12/31/04 23:59:59	01/31/05 23:59:59			20.0045	9.0502		0.0000	181.6661	183.3059	247.0478			0.0546	1.4301	0.0000	
326	01/31/05 23:59:59	02/28/05 23:59:59			22.4702	13.8641		0.0000	166.7966	167.2119	260.6871			0.0448	1.7500	0.0188	
327	02/28/05 23:59:59	03/31/05 23:59:59			19.5565	15.3674		0.0000	159.6075	159.2988	254.1988			0.0461	1.4960	14.3472	0.0000
328	03/31/05 23:59:59	04/30/05 23:59:59			33.1019	1.1574		0.0000	154.5370	160.3643	195.5509			0.0243	1.3708	17.0440	0.5483
329	04/30/05 23:59:59	05/31/05 23:59:59			31.1604	3.1138		0.0000	163.6425	163.8217	195.5911			0.0207	1.3172	0.0169	7.6181
330	05/31/05 23:59:59	06/30/05 23:59:59			15.2315	14.2824		0.0000	151.2731	151.8750	210.0509			0.0292	1.4875	0.0175	8.2882
331	06/30/05 23:59:59	07/31/05 23:59:59			0.0000	33.6694		0.0000	163.5305		235.5972			22.3793	1.6089	18.7673	8.2655
332	07/31/05 23:59:59	08/31/05 23:59:59			0.0000	29.9507		0.0000	148.0735	38.5614	197.8112			26.8531	1.6983	19.1625	8.6023
333	08/31/05 23:59:59	09/30/05 23:59:59			15.1620	9.6991		0.0000	129.4444		202.8090			17.8714	1.7792	11.5899	8.8890
334	09/30/05 23:59:59	10/31/05 23:59:59			19.8925	7.9525		0.0000	152.5314		185.7436			12.0458	0.2644	28.0997	8.6023
335	10/31/05 23:59:59	11/30/05 23:59:59			33.0324	0.0000		0.0000	176.5046	177.2917	196.4943			18.3925	0.6436	20.8581	8.8890
336	11/30/05 23:59:59	12/31/05 23:59:59			21.3486	8.7814		0.0000	184.8342	169.3548	227.2970			19.7806	0.8091	21.2409	8.6023
337	12/31/05 23:59:59	01/31/06 23:59:59			29.2339	0.0000		0.0000	184.6998	182.5045	263.5718			17.3372	1.0773	23.9392	11.0250
338	01/31/06 23:59:59	02/28/06 23:59:59			23.9583	0.0000		0.0000	151.1657	212.6736	193.7792			17.2635	0.8729	23.6854	10.3365
339	02/28/06 23:59:59	03/31/06 23:59:59			17.8315	8.2437		0.0000	182.7957	182.1237	230.7410			18.9122	0.9804	20.7695	9.9599
340	03/31/06 23:59:59	04/30/06 23:59:59			29.0278	1.0185		0.0000	178.9352	178.9120	241.7805			18.4100	1.0179	22.9940	10.2919
341	04/30/06 23:59:59	05/31/06 23:59:59			38.4633	0.0000		0.0000	189.5161	176.6577	263.2714			10.3504	0.8929	29.5026	10.5386
342	05/31/06 23:59:59	06/30/06 23:59:59			24.5833	18.3796		0.0000	188.7269	188.7269	217.5175			1.1278	0.6883	33.7935	11.2535
343	06/30/06 23:59:59	07/31/06 23:59:59			36.5367	0.0000		0.0000	196.4158	195.1389	170.8207			1.0444	0.6755	31.8519	11.8332
344	07/31/06 23:59:59	08/31/06 23:59:59			37.5448	0.0000		0.0000	188.1272	187.8584	169.6530			0.2559	0.5118	31.5282	11.1341
345	08/31/06 23:59:59	09/30/06 23:59:59			39.9306	0.0000		0.0000	207.2917	207.1528	122.6807			0.0000	0.2888	26.6068	11.2496
346	09/30/06 23:59:59	10/31/06 23:59:59			50.1120	0.9633		0.0000	137.5224	136.0663	170.9121			0.0000	1.0274	17.0409	10.9902
347	10/31/06 23:59:59	11/30/06 23:59:59			39.9074	0.0000		0.0000	142.3148	142.2917	169.7596			0.0000	0.9246	23.3188	10.4426
348	11/30/06 23:59:59	12/31/06 23:59:59			40.8602	0.0000		0.0000	202.1057	196.9310	123.9299			0.0000	0.7772	25.1718	8.3426
349	12/31/06 23:59:59	01/31/07 23:59:59			38.3737	0.0000		0.0000	184.5654	183.4229	132.3797			0.0000	1.2476	28.0245	8.8168
350	01/31/07 23:59:59	02/28/07 23:59:59			28.5218	0.0000		0.0000	190.1538	190.1538	133.8342			0.0000	0.9646	30.5531	8.6219
351	02/28/07 23:59:59	03/31/07 23:59:59			28.9875	0.0000		0.0000	195.0717	195.0717	149.5258			0.0000	0.9569	27.9934	11.9047
352	03/31/07 23:59:59	04/30/07 23:59:59			32.8241	0.0000		0.0000	189.3287	189.3287	93.3092			0.0000	0.9722	27.2699	11.0872
353	04/30/07 23:59:59	05/31/07 23:59:59			29.8387	0.0000		0.0000	204.5251	216.3978	142.2359			0.0000	0.8185	27.5409	12.0835
354	05/31/07 23:59:59	06/30/07 23:59:59			27.0602	0.0000		0.0000	197.8935	197.8935	126.6229			0.0000	0.9119	24.5506	11.0649
355	06/30/07 23:59:59	07/31/07 23:59:59			35.3943	0.0000		0.0000	195.8781	195.9005	129.1318			0.0000	0.8477	27.2661	10.5819
356	07/31/07 23:59:59	08/31/07 23:59:59			36.3351	0.0000		0.0000	193.2796	192.5179	110.8291			0.0000	0.7903	23.2712	12.7976

Table 5.1.2-IV, Continued

Offset Class I & Class II Injection Well Rates Used for Modeling

	Start Date	End Date	Injection Rate (gpm)														
			WDW-172	WDW-173	WDW-222	WDW-223	WDW-36	WDW-147	WDW-148	WDW-162	WDW-319	WDW-397	WDW-398	Map ID #110	Map ID #127	Map ID #139	Map ID #166
357	08/31/07 23:59:59	09/30/07 23:59:59			48.8194	0.0000		0.0000	197.9398	197.7315	120.2925			1.0617	0.7778	21.4890	9.8292
358	09/30/07 23:59:59	10/31/07 23:59:59			32.9973	2.6210		0.0000	45.8333	312.4552	134.2254			0.7405	0.9757	9.7106	10.5216
359	10/31/07 23:59:59	11/30/07 23:59:59			35.5093	0.0000		0.0000	177.5694	177.5000	113.1720			0.9781	1.0063	19.0653	10.0858
360	11/30/07 23:59:59	12/31/07 23:59:59			36.2455	9.7222		0.0000	170.5869	170.5869	115.0956			0.8985	1.1206	18.6159	9.7605
361	12/31/07 23:59:59	01/31/08 23:59:59			19.8253	25.0896		0.0000	183.9830	189.5161	106.3164			1.1196	1.1817	15.4781	7.5560
362	01/31/08 23:59:59	02/29/08 23:59:59			39.5115	0.0000		0.0000	184.2912	170.3305	133.1339			1.5991	0.2082	14.0372	7.5139
363	02/29/08 23:59:59	03/31/08 23:59:59			24.4176	0.0000		0.0000	189.5609	189.4937	133.7059	0.0000		1.6098	0.5024	14.2663	7.8185
364	03/31/08 23:59:59	04/30/08 23:59:59			36.0417	0.0000		0.0000	197.1065	196.8519	116.7101	37.0618		1.5663	1.1482	12.4911	7.8526
365	04/30/08 23:59:59	05/31/08 23:59:59			15.4570	18.0780		0.0000	181.6308	181.6308	97.1817	107.7980		0.7254	1.0067	17.1632	7.9992
366	05/31/08 23:59:59	06/30/08 23:59:59			0.0000	47.9861		0.0000	180.8102	172.8472	131.6310	82.2331		1.4583	1.1044	16.6619	8.0442
367	06/30/08 23:59:59	07/31/08 23:59:59			1.4785	34.6326		0.0000	180.1747	180.7348	101.1400	261.2408		1.4113	1.1526	18.5745	8.1704
368	07/31/08 23:59:59	08/31/08 23:59:59			0.0000	38.8889		0.0000	187.6568	188.9561	144.8771	342.5408		0.8468	1.1450	19.3535	8.1704
369	08/31/08 23:59:59	09/30/08 23:59:59			4.6296	26.8750		0.0000	103.5417	104.2130	81.0153	184.6350		0.4375	0.1915	8.2668	4.8174
370	09/30/08 23:59:59	10/31/08 23:59:59			24.5968	9.5430		0.0000	159.0950	153.0690	74.8193	68.1528		1.0914	0.5965	17.5922	10.5216
371	10/31/08 23:59:59	11/30/08 23:59:59			0.0000	41.6435		0.0000	197.5926	198.0787	122.7705	457.7725		0.8361	0.3053	14.1886	9.1457
372	11/30/08 23:59:59	12/31/08 23:59:59			0.0000	40.0090		0.0000	147.8047	147.8047	96.7935	560.9171		0.9954	0.4516	18.3703	11.0927
373	12/31/08 23:59:59	01/31/09 23:59:59			11.9176	8.8262		0.0000	92.2939	0.0000	37.5552	551.1037		1.0001	0.4657	16.7680	7.1280
374	01/31/09 23:59:59	02/28/09 23:59:59			3.7946	16.5923		0.0000	103.3234	0.0000	128.4791	567.3363		1.0448	0.5135	18.6406	1.0760
375	02/28/09 23:59:59	03/31/09 23:59:59			0.0000	32.4597		0.0000	85.9767	271.9982	125.3974	584.0905		1.1149	0.0000	20.3565	11.6921
376	03/31/09 23:59:59	04/30/09 23:59:59			0.0000	41.5046		0.0000	120.9028	121.1574	137.5137	484.0509		1.1618	0.1624	24.5117	14.3296
377	04/30/09 23:59:59	05/31/09 23:59:59			1.5233	36.8952		0.0000	105.3987	105.3987	118.7849	680.7796		0.9126	0.0000	25.5782	14.3754
378	05/31/09 23:59:59	06/30/09 23:59:59			0.0000	36.7593		0.0000	153.3565	136.2731	70.1247	664.4213		1.0869	0.0000	21.5921	18.0542
379	06/30/09 23:59:59	07/31/09 23:59:59			0.1568	31.5636		0.0000	171.3262	171.3710	43.1967	673.8799		1.1093	0.0461	23.5526	12.8333
380	07/31/09 23:59:59	08/31/09 23:59:59			0.0000	33.0645		0.0000	217.0475	215.8154	70.7362	502.8674		0.7376	0.0000	24.9065	17.0992
381	08/31/09 23:59:59	09/30/09 23:59:59			0.0000	36.4583		0.0000	210.8333	210.9028	94.3798	298.0556		1.2717	0.1925	26.7536	13.6938
382	09/30/09 23:59:59	10/31/09 23:59:59			11.3799	34.7446		0.0000	204.6819	204.5251	124.5334	374.2832		0.9136	0.1571	24.1961	14.9042
383	10/31/09 23:59:59	11/30/09 23:59:59			2.8472	32.3148		0.0000	165.2546	165.0694	81.5284	533.2176		0.9440	0.0000	28.1565	13.8444
384	11/30/09 23:59:59	12/31/09 23:59:59			0.0000	36.1111		0.0000	163.9113	163.9113	106.5877	345.5645		1.6324	0.0000	25.5547	14.2597
385	12/31/09 23:59:59	01/31/10 23:59:59			3.8530	24.5744		0.0000	170.6541	170.6765	79.0466	478.1810		0.8044	0.0000	27.8786	12.6536
386	01/31/10 23:59:59	02/28/10 23:59:59			0.0000	29.9851		0.0000	183.1101	183.0109	122.0496	287.7232		0.4615	0.0000	29.2969	12.0875
387	02/28/10 23:59:59	03/31/10 23:59:59			11.6039	1.0529		0.0000	186.3575	186.5815	102.2759	333.6022		1.2306	0.0000	29.8695	14.9079
388	03/31/10 23:59:59	04/30/10 23:59:59			6.5278	25.3009		0.0000	163.2639	163.2870	72.6088	197.9398		1.4399	0.0000	27.1075	13.7949

Table 5.1.2-IV, Continued

Offset Class I & Class II Injection Well Rates Used for Modeling

	Start Date	End Date	Injection Rate (gpm)														
			WDW-172	WDW-173	WDW-222	WDW-223	WDW-36	WDW-147	WDW-148	WDW-162	WDW-319	WDW-397	WDW-398	Map ID #110	Map ID #127	Map ID #139	Map ID #166
389	04/30/10 23:59:59	05/31/10 23:59:59			13.7769	15.7930		0.0000	172.8495	172.5806	87.7568	0.0000		0.4996	0.0000	24.3598	13.6265
390	05/31/10 23:59:59	06/30/10 23:59:59			23.0787	0.2778		0.0000	200.7176	193.2639	64.7528	95.2546		0.1701	0.5201	20.9485	13.7492
391	06/30/10 23:59:59	07/31/10 23:59:59			28.9651	0.0000		0.0000	182.6389	182.7061	140.7532	215.0538		0.1223	0.3829	22.7048	13.9022
392	07/31/10 23:59:59	08/31/10 23:59:59			1.2769	26.5009		0.0000	186.8056	186.7159	101.3398	443.3916		0.0000	2.8922	23.7633	13.7083
393	08/31/10 23:59:59	09/30/10 23:59:59			0.0000	19.2130		0.0000	202.4769	202.4537	93.4688	567.1528		0.0000	3.7071	26.4192	13.8338
394	09/30/10 23:59:59	10/31/10 23:59:59			15.9274	14.9866		0.0000	161.3127	161.3351	66.8653	168.5932		0.0000	1.3172	18.8784	13.3028
395	10/31/10 23:59:59	11/30/10 23:59:59			0.0000	20.6019		0.0000	180.3241	179.4213	71.2383	252.9630		0.0000	0.0000	18.1728	17.9015
396	11/30/10 23:59:59	12/31/10 23:59:59			0.0000	32.2133		0.0000	178.0914	177.9122	80.3382	298.5663		0.0000	0.0000	20.1730	15.0472
397	12/31/10 23:59:59	01/31/11 23:59:59			0.0000	37.4104		0.0000	200.4256	200.3808	98.8434	545.2733		0.0000	0.0000	20.3122	14.5711
398	01/31/11 23:59:59	02/28/11 23:59:59			0.0000	37.6488		0.0000	207.2917	207.2421	116.6084	317.7579		0.0000	0.0000	18.9521	16.6594
399	02/28/11 23:59:59	03/31/11 23:59:59			0.0000	37.6792		0.0000	188.1272	187.4328	96.0198	503.6066		0.0000	0.0000	18.9358	12.3394
400	03/31/11 23:59:59	04/30/11 23:59:59			0.0000	30.2083		0.0000	215.2083	213.4954	98.9747	498.0556	0.0000	0.0000	0.0000	20.5499	6.0608
401	04/30/11 23:59:59	05/31/11 23:59:59			0.0000	35.9095		0.0000	217.5627	215.4570	94.3262	485.0806	89.0905	0.0000	0.0000	15.0716	12.9566
402	05/31/11 23:59:59	06/30/11 23:59:59			0.0000	45.0000		0.0000	255.9491	192.7778	116.0842	188.3796	465.1389	0.2528	0.0000	12.3997	13.8250
403	06/30/11 23:59:59	07/31/11 23:59:59			0.0000	50.0224		0.0000	210.0134	217.6299	124.0676	150.5376	520.8557	0.0000	0.0000	14.0141	14.1383
404	07/31/11 23:59:59	08/31/11 23:59:59			0.0000	52.2177		0.0000	211.2007	210.5287	97.8107	175.3808	491.4875	0.0000	0.0000	14.3086	14.0715
405	08/31/11 23:59:59	09/30/11 23:59:59			0.0000	48.3333		0.0000	199.5602	199.4676	91.3658	181.8287	414.3287	0.0000	0.0000	14.9528	14.1672
406	09/30/11 23:59:59	10/31/11 23:59:59			12.1864	45.3853		0.0000	166.2410	167.2043	112.6810	326.6801	514.6953	0.0000	0.0000	14.2860	14.0621
407	10/31/11 23:59:59	11/30/11 23:59:59			26.6204	25.5787		0.0000	172.7315	172.7315	137.5109	232.4769	416.4120	0.0000	0.0000	14.8701	14.7885
408	11/30/11 23:59:59	12/31/11 23:59:59			0.0000	49.5072		0.0000	182.7733	182.2357	144.1881	208.7142	408.8038	0.2446	0.0000	13.7262	15.0434
409	12/31/11 23:59:59	01/31/12 23:59:59			0.0000	54.5475		0.0000	180.8244	181.3844	145.1632	353.5842	549.0591	0.2446	0.0000	16.2167	15.1987
410	01/31/12 23:59:59	02/29/12 23:59:59			0.0000	36.8774		0.0000	199.1619	199.5929	140.1475	373.4435	573.3477	0.2615	0.0000	13.7043	15.1938
411	02/29/12 23:59:59	03/31/12 23:59:59			33.7142	0.0224		0.0000	165.5690	162.8808	157.8584	409.2070	584.2518	0.2446	0.0000	13.9915	14.8515
412	03/31/12 23:59:59	04/30/12 23:59:59			1.1574	30.1852		0.0000	193.9120	194.0278	115.7767	499.2361	612.4769	0.2528	0.0000	14.3685	15.6576
413	04/30/12 23:59:59	05/31/12 23:59:59			0.0000	41.7787		0.0000	193.3692	193.2124	134.8278	496.6398	585.9543	0.2446	0.0000	15.4997	15.1526
414	05/31/12 23:59:59	06/30/12 23:59:59			0.0000	43.3102		0.0000	150.7870	202.7315	122.6253	276.7130	325.2546	0.2528	0.0000	15.0860	15.7588
415	06/30/12 23:59:59	07/31/12 23:59:59			0.0000	54.9955		0.0000	0.0000	374.0143	165.0779	400.4480	450.8737	0.2446	0.0000	13.1250	15.8968
416	07/31/12 23:59:59	08/31/12 23:59:59			4.5699	28.0242		0.0000	0.0000	390.1210	138.5760	401.4337	478.4722	0.2446	0.0000	14.5749	17.5809
417	08/31/12 23:59:59	09/30/12 23:59:59			0.0000	42.8241		0.0000	30.4398	368.2176	113.1123	276.2731	313.0093	0.6319	0.0000	15.1122	17.7421
418	09/30/12 23:59:59	10/31/12 23:59:59			41.6219	41.6219		0.0000	201.3217	201.5681	120.0626	338.2168	359.6550	0.2446		14.0442	17.4116
419	10/31/12 23:59:59	11/30/12 23:59:59			58.4491	58.4491		0.0000	195.6250	193.2870	143.1952	249.8611	241.9676	0.1264	29.1667	14.6475	17.1306
420	11/30/12 23:59:59	12/31/12 23:59:59			25.0896	25.0896		0.0000	178.1362	194.7805	111.5544	95.4077	341.4875	0.1223		15.5675	17.5480

Table 5.1.2-IV, Continued

Offset Class I & Class II Injection Well Rates Used for Modeling

	Start Date	End Date	Injection Rate (gpm)														
			WDW-172	WDW-173	WDW-222	WDW-223	WDW-36	WDW-147	WDW-148	WDW-162	WDW-319	WDW-397	WDW-398	Map ID #110	Map ID #127	Map ID #139	Map ID #166
421	12/31/12 23:59:59	01/31/13 23:59:59			51.0977	51.0977		0.0000	198.1407	197.5806	133.5067	0.0000	391.3754	0.1223	29.1667	17.7474	18.8793
422	01/31/13 23:59:59	02/28/13 23:59:59			45.1885	45.1885		0.0000	202.5546	202.0833	150.8771	240.5754	441.3938	0.0000		11.5031	18.9510
423	02/28/13 23:59:59	03/31/13 23:59:59			44.1308	44.1308		0.0000	206.4740	209.3638	95.9504	295.6541	431.6084	0.0000		14.9983	20.9276
424	03/31/13 23:59:59	04/30/13 23:59:59			14.3981	37.0602		0.0000	115.7407	114.9306	140.4884	312.4074	364.4444	0.0000		23.3479	19.6457
425	04/30/13 23:59:59	05/31/13 23:59:59			7.5941	35.9095		0.0000	152.5986	149.5296	181.2590	288.1720	316.1962	0.1223		18.7843	19.5915
426	05/31/13 23:59:59	06/30/13 23:59:59			0.0000	47.0602		0.0000	151.1343	150.9259	159.0675	288.7500	316.2963	0.0000		15.1054	19.1304
427	06/30/13 23:59:59	07/31/13 23:59:59			0.0000	48.1183		0.0000	188.8665	165.7706	174.8528	316.7115	290.7706	0.0000		19.3215	19.1757
428	07/31/13 23:59:59	08/31/13 23:59:59			11.8056	42.3163		0.0000	179.7491	178.8754	172.0173	322.4462	0.0000	0.0000		20.4505	19.0835
429	08/31/13 23:59:59	09/30/13 23:59:59			45.5556	14.8380		0.0000	212.2454	236.0880	165.1534	450.3472	0.0000	0.0000		21.4463	20.6218
430	09/30/13 23:59:59	10/31/13 23:59:59			38.3961	2.4642		0.0000	231.4068	193.5708	133.0199	553.3602	0.0000	0.0000		20.3085	87.5000
431	10/31/13 23:59:59	11/30/13 23:59:59			46.1343	0.1620		0.0000	194.7917	192.5231	156.0704	529.5370	33.8889	0.0000		20.1756	
432	11/30/13 23:59:59	12/31/13 23:59:59			44.5565	1.5009		0.0000	216.6667	208.7142	116.9094	238.1720	318.3692	0.0000		20.2934	
433	12/31/13 23:59:59	01/31/14 23:59:59			18.1676	27.4642		0.0000	209.2518	208.0421	145.4566	151.2993	379.2339	0.0000	29.1667	58.3333	87.5000
434	01/31/14 23:59:59	02/28/14 23:59:59			24.9008	17.9563		0.0000	180.0843	178.8938	161.6214	257.3165	310.2679				
435	02/28/14 23:59:59	03/31/14 23:59:59			19.5789	15.9498		0.0000	200.9633	198.9023	115.0393	312.2536	415.0762				
436	03/31/14 23:59:59	04/30/14 23:59:59			28.8426	4.9306		0.0000	208.8657	208.8194	119.1518	294.0972	458.4954				
437	04/30/14 23:59:59	05/31/14 23:59:59			20.0493	8.4453		0.0000	244.8253	213.9561	142.0817	307.5045	425.4480				
438	05/31/14 23:59:59	06/30/14 23:59:59			21.1806	11.8750		0.0000	206.9213	206.8287	174.0146	86.8519	546.9444				
439	06/30/14 23:59:59	07/31/14 23:59:59			112.5000	112.5000		0.0000	225.0000	225.0000	137.9017	600.0000	600.0000				
440	07/31/14 23:59:59	08/31/14 23:59:59									120.9004						
441	08/31/14 23:59:59	09/30/14 23:59:59									375.0000						
442	09/30/14 23:59:59	10/31/14 23:59:59															
443	10/31/14 23:59:59	11/30/14 23:59:59															
444	11/30/14 23:59:59	12/31/14 23:59:59															
445	12/31/14 23:59:59	12/31/30 23:59:59			112.5000	112.5000		0.0000	225.0000	225.0000	375.0000	600.0000	600.0000	0.0000	29.1667	58.3333	87.5000

TABLE 5.1.2-V

WDW-157 Historical Flowing and Shutin Pressures

Measured Versus Modeled

Date	Measured Pressure @ 7300' RKB		Increase/Decrease From Initial Pressure		Modeled Historical Pressure Rise			
					Infinite Acting Reservoir		Reservoir With a Single Fault	
	Flowing psia	Shutin psia	Flowing psi	Shutin psi	Flowing psi	Shutin psi	Flowing psi	Shutin psi
02/18/80	Initial	3187.84						
02/03/88	3180.01	3171.52	-7.83	-16.32	153.39	103.03	106.36	85.92
03/16/89	3173.67	3164.00	-14.17	-23.84	217.31	142.87	145.53	113.81
06/29/90	3228.37	3192.88	40.53	5.04	242.73	152.08	158.91	120.58
07/04/91	3179.75	3163.12	-8.09	-24.72	272.15	155.73	174.77	127.52
06/23/92	3230.53	3181.05	42.69	-6.79	300.90	160.12	187.33	127.70
08/30/93	3174.55	3169.50	-13.29	-18.34	255.06	143.68	161.91	114.94
09/12/94	3174.16	3158.02	-13.68	-29.82	366.88	180.17	217.33	138.77
08/14/95	3170.47	3158.15	-17.37	-29.69	321.88	171.14	197.23	133.33
08/21/96	3173.62	3157.60	-14.22	-30.24	314.01	178.93	195.45	138.36
12/11/97	3189.90	3150.35	2.06	-37.49	260.75	154.15	162.57	117.86
09/15/98	3179.69	3167.50	-8.15	-20.34	244.89	138.84	149.39	107.04
09/21/99	3170.74	3162.49	-17.10	-25.35	251.96	131.09	151.89	100.63
10/12/00	3174.20	3165.53	-13.64	-22.31	210.58	98.75	123.14	75.68
09/18/01	3172.65	3163.95	-15.19	-23.89	195.18	109.16	117.38	82.84
10/08/02	3170.12	3164.48	-17.72	-23.36	183.14	109.13	111.21	79.95
10/23/03	3171.67	3164.35	-16.17	-23.49	183.94	119.28	112.16	84.68
11/18/04	3180.19	3169.71	-7.65	-18.13	221.56	117.22	125.64	81.58
10/26/05	3177.26	3171.90	-10.58	-15.94	186.03	127.09	115.99	91.08
10/25/06	3181.91	3174.19	-5.93	-13.65	191.46	126.50	117.08	90.72

TABLE 5.1.2-VI

WDW-169 Historical Flowing and Shutin Pressures
Measured Versus Modeled

Date	Measured Pressure @ 7234' RKB		Increase/Decrease From Initial Pressure		Modeled Historical Pressure Rise			
					Infinite Acting Reservoir		Reservoir With a Single Fault	
	Flowing psia	Shutin psia	Flowing psi	Shutin psi	Flowing psi	Shutin psi	Flowing psi	Shutin psi
12/15/81	Initial	3148.70						
07/15/86		3182.13		33.43		141.55		98.50
01/19/88	3130.82	3114.16	-17.88	-34.54	161.36	161.09	108.13	107.94
06/29/90	3188.02	3132.03	39.32	-16.67	298.78	151.17	176.60	113.96
07/04/91	3173.64	3153.61	24.94	4.91	201.50	151.51	139.04	118.89
06/23/92	3149.25	3142.87	0.55	-5.83	235.41	150.57	151.10	116.86
08/30/93	3150.30	3133.73	1.60	-14.97	246.63	161.86	156.21	121.95
09/12/94	3143.67	3128.84	-5.03	-19.86	283.09	185.36	179.20	137.99
08/14/95	3130.57	3122.30	-18.13	-26.40	249.96	166.29	160.79	127.28
08/21/96		3117.94		-30.76		197.21		143.20
12/11/97	3146.09	3136.30	-2.61	-12.40	271.93	179.60	174.19	135.21
09/15/98	3167.88	3135.68	19.18	-13.02	235.74	159.16	142.72	110.28
09/21/99	3144.96	3135.13	-3.74	-13.57	187.65	107.06	112.60	78.69
10/12/00	3268.81	3128.76	120.11	-19.94	182.92	115.61	111.01	82.71
09/18/01		3118.22		-30.48		116.01		82.30
10/08/02	3142.77	3133.36	-5.93	-15.34	168.55	114.06	101.76	79.34
10/23/03	3144.95	3116.50	-3.75	-32.20	181.43	113.35	107.08	78.39
10/26/05	3156.31	3127.35	7.61	-21.35	191.72	125.08	111.91	83.81
11/19/06	3189.22	3140.03	40.52	-8.67	223.30	143.71	126.21	94.07

TABLE 5.1.2-VII

WDW-249 Historical Flowing and Shutin Pressures
Measured Versus Modeled

Date	Measured Pressure @ 7300' RKB		Increase/Decrease From Initial Pressure		Modeled Historical Pressure Rise			
					Infinite Acting Reservoir		Reservoir With a Single Fault	
	Flowing psia	Shutin psia	Flowing psi	Shutin psi	Flowing psi	Shutin psi	Flowing psi	Shutin psi
	Initial	3117.50						
04/11/93	3175.42	3150.09	57.92	32.59	243.32	149.43	153.82	115.41
04/08/94	3162.27	3153.30	44.77	35.80	245.58	162.33	156.88	125.94
04/17/98	3252.45	3173.16	134.95	55.66	291.10	166.17	166.58	128.09
01/29/99	3192.00	3192.43	74.50	74.93	218.68	134.78	132.97	98.11
03/13/02	3162.91	3146.99	45.41	29.49	171.75	107.32	105.14	77.92
01/07/03		3201.04		83.54		109.65		78.03
01/08/04	3162.54	3145.44	45.04	27.94	180.86	111.88	106.80	77.69
01/13/05	3182.63	3161.13	65.13	43.63	193.45	133.41	112.15	90.45

WDW-157 – Historical Flowing and Shut-in Pressure Measurments Compared to Modeled Values for Various Fault Transmissivities

Time of Measurement		Measured Pressure Rise		0% Transmissive – k = 625md				25% Transmissive – k = 625md				50% Transmissive – k = 625md			
				PredictW Results		$\Delta P_{PredictW}$ - $\Delta P_{measured}$		PredictW Results		$\Delta P_{PredictW}$ - $\Delta P_{measured}$		PredictW Results		$\Delta P_{PredictW}$ - $\Delta P_{measured}$	
p_{wf}	$p_{shut\ in}$	Δp_{wf}	$\Delta p_{shut\ in}$	Δp_{wf}	$\Delta p_{shut\ in}$	Δp_{wf}	$\Delta p_{shut\ in}$	Δp_{wf}	$\Delta p_{shut\ in}$	Δp_{wf}	$\Delta p_{shut\ in}$	Δp_{wf}	$\Delta p_{shut\ in}$	Δp_{wf}	$\Delta p_{shut\ in}$
	02/18/80		0.00												
02/03/88	02/04/88	-7.83	-16.32	75.94	65.86	83.77	82.19	66.90	56.84	74.73	73.16	60.13	50.09	67.96	66.41
03/16/89	03/16/89	-14.17	-23.84	94.27	78.13	108.44	101.96	83.89	67.75	98.07	91.59	75.98	59.84	90.15	83.68
06/29/90	06/30/90	40.53	5.04	101.23	82.02	60.70	76.98	90.16	70.95	49.63	65.91	81.67	62.47	41.14	57.42
07/04/91	07/05/91	-8.09	-24.72	102.18	81.21	110.26	105.92	90.91	69.97	99.00	94.69	82.15	61.23	90.23	85.95
06/23/92	06/25/92	42.69	-6.79	108.86	78.81	66.17	85.60	97.83	67.85	55.14	74.64	89.47	59.57	46.78	66.36
08/30/93	09/01/93	-13.29	-18.34	89.08	65.51	102.36	83.85	79.92	56.39	93.20	74.73	73.60	50.12	86.88	68.46
09/12/94	09/13/94	-13.68	-29.82	111.87	78.52	125.54	108.33	101.58	68.24	115.25	98.05	94.41	61.09	108.09	90.90
08/14/95	08/15/95	-17.37	-29.69	101.95	75.32	119.32	105.01	91.62	65.02	108.99	94.72	84.65	58.09	102.01	87.78
08/21/96	08/22/96	-14.22	-30.24	106.40	77.80	120.62	108.04	95.95	67.38	110.18	97.62	88.58	60.03	102.81	90.27
12/11/97	12/12/97	2.06	-37.49	88.18	70.11	86.12	107.60	78.98	60.90	76.91	98.39	72.98	54.90	70.91	92.39
09/15/98	09/16/98	-8.15	-20.34	88.44	63.35	96.59	83.69	80.12	54.98	88.27	75.32	75.19	50.01	83.34	70.35
09/21/99	09/22/99	-17.10	-25.35	87.24	61.42	104.35	86.77	79.29	53.40	96.39	78.75	74.80	48.84	91.90	74.19
10/12/00	10/13/00	-13.64	-22.31	65.88	46.67	79.52	68.98	59.53	40.29	73.17	62.60	56.50	37.23	70.14	59.54
09/18/01	09/19/01	-15.19	-23.89	71.99	52.37	87.18	76.26	65.16	45.51	80.35	69.41	61.81	42.13	76.99	66.02
10/08/02	10/09/02	-17.72	-23.36	66.54	50.96	84.26	74.32	60.09	44.49	77.81	67.85	57.19	41.58	74.91	64.94
10/23/03	10/24/03	-16.17	-23.49	66.18	52.27	82.35	75.76	59.70	45.84	75.87	69.33	56.73	42.91	72.90	66.40
11/18/04	11/19/04	-7.65	-18.13	68.23	50.39	75.89	68.52	62.39	44.54	70.05	62.67	60.07	42.20	67.72	60.33
10/26/05	10/27/05	-10.58	-15.94	67.94	55.49	78.51	71.42	61.28	48.84	71.86	64.77	57.94	45.50	68.51	61.44
10/26/06	10/27/06	-5.93	-13.65	70.88	56.68	76.81	70.34	64.09	49.88	70.02	63.54	60.76	46.55	66.69	60.20
10/17/07	10/19/07	3.35	-4.88	80.20	60.77	76.85	65.65	72.81	53.37	69.46	58.25	68.81	49.36	65.46	54.24
08/18/08	08/19/08	4.32	-10.02	74.22	58.30	69.89	68.33	67.13	51.20	62.81	61.22	63.50	47.55	59.18	57.57
08/11/09	08/12/09	0.45	-8.87	65.67	51.77	65.21	60.64	59.48	45.55	59.02	54.42	57.44	43.50	56.99	52.36
08/30/10	08/31/10	11.47	0.69	63.90	51.09	52.43	50.40	57.76	44.93	46.29	44.24	55.73	42.89	44.26	42.20
09/26/11	09/27/11	13.95	4.57	61.84	48.85	47.89	44.29	56.06	43.04	42.11	38.48	55.07	42.03	41.12	37.46
09/17/12	09/18/12	23.99	1.60	68.56	53.91	44.57	52.30	62.39	47.72	38.40	46.11	61.90	47.19	37.91	45.59
09/16/13	09/17/13	22.95	11.64	63.97	52.93	41.02	41.30	57.84	46.78	34.89	35.14	57.38	46.29	34.42	34.65
09/17/14	09/18/14	38.06	21.19	108.97	97.15	70.91	75.96	99.33	87.46	61.27	66.27	96.19	84.28	58.13	63.09

TABLE 5.1.2-VIII

WDW-157 – Historical Flowing and Shut-in Pressure Measurments Compared to Modeled Values for Various Fault Transmissivities

Time of Measurement		Measured Pressure Rise		75% Transmissive – k = 625md				90% Transmissive – k = 625md				95% Transmissive – k = 625md			
				PredictW Results		$\Delta P_{PredictW}$ - $\Delta P_{measured}$		PredictW Results		$\Delta P_{PredictW}$ - $\Delta P_{measured}$		PredictW Results		$\Delta P_{PredictW}$ - $\Delta P_{measured}$	
p_{wf}	$p_{shut\ in}$	Δp_{wf}	$\Delta p_{shut\ in}$	Δp_{wf}	$\Delta p_{shut\ in}$	Δp_{wf}	$\Delta p_{shut\ in}$	Δp_{wf}	$\Delta p_{shut\ in}$	Δp_{wf}	$\Delta p_{shut\ in}$	Δp_{wf}	$\Delta p_{shut\ in}$	Δp_{wf}	$\Delta p_{shut\ in}$
	02/18/80		0.00												
02/03/88	02/04/88	-7.83	-16.32	57.91	47.88	65.74	64.21	59.70	49.69	67.53	66.01	60.93	50.92	68.76	67.24
03/16/89	03/16/89	-14.17	-23.84	72.99	56.85	87.17	80.69	74.59	58.45	88.76	82.29	75.81	59.67	89.98	83.51
06/29/90	06/30/90	40.53	5.04	78.35	59.15	37.82	54.11	79.91	60.72	39.38	55.67	81.15	61.96	40.62	56.91
07/04/91	07/05/91	-8.09	-24.72	78.38	57.49	86.46	82.21	79.55	58.68	87.64	83.40	80.64	59.77	88.72	84.49
06/23/92	06/25/92	42.69	-6.79	86.46	56.65	43.77	63.43	88.33	58.57	45.65	65.36	89.70	59.95	47.01	66.74
08/30/93	09/01/93	-13.29	-18.34	72.97	49.54	86.25	67.88	76.50	53.11	89.79	71.45	78.47	55.09	91.76	73.43
09/12/94	09/13/94	-13.68	-29.82	93.50	60.20	107.18	90.01	97.26	63.97	110.94	93.78	99.38	66.09	113.06	95.90
08/14/95	08/15/95	-17.37	-29.69	84.41	57.89	101.78	87.58	88.89	62.40	106.26	92.09	91.32	64.84	108.69	94.53
08/21/96	08/22/96	-14.22	-30.24	87.35	58.80	101.57	89.05	90.84	62.29	105.06	92.53	92.85	64.30	107.07	94.54
12/11/97	12/12/97	2.06	-37.49	73.40	55.32	71.34	92.81	78.08	60.00	76.02	97.49	80.53	62.45	78.46	99.94
09/15/98	09/16/98	-8.15	-20.34	77.04	51.82	85.19	72.16	82.82	57.57	90.97	77.91	85.69	60.43	93.84	80.77
09/21/99	09/22/99	-17.10	-25.35	77.24	51.22	94.34	76.57	83.48	57.42	100.58	82.77	86.51	60.44	103.62	85.79
10/12/00	10/13/00	-13.64	-22.31	60.05	40.74	73.69	63.05	66.70	47.36	80.34	69.66	69.82	50.47	83.46	72.78
09/18/01	09/19/01	-15.19	-23.89	65.32	45.62	80.51	69.52	72.14	52.43	87.32	76.32	75.36	55.65	90.54	79.54
10/08/02	10/09/02	-17.72	-23.36	61.22	45.60	78.94	68.96	68.37	52.75	86.09	76.10	71.71	56.08	89.43	79.44
10/23/03	10/24/03	-16.17	-23.49	60.71	46.94	76.88	70.43	67.88	54.13	84.05	77.62	71.23	57.49	87.40	80.98
11/18/04	11/19/04	-7.65	-18.13	64.73	46.84	72.38	64.98	72.32	54.43	79.97	72.56	75.81	57.92	83.47	76.06
10/26/05	10/27/05	-10.58	-15.94	61.19	48.76	71.76	64.69	67.66	55.23	78.24	71.17	70.74	58.31	81.31	74.24
10/26/06	10/27/06	-5.93	-13.65	64.34	50.12	70.27	63.77	71.24	57.01	77.17	70.66	74.49	60.26	80.42	73.91
10/17/07	10/19/07	3.35	-4.88	71.58	52.11	68.23	56.99	77.89	58.41	74.54	63.29	80.93	61.45	77.58	66.33
08/18/08	08/19/08	4.32	-10.02	66.76	50.79	62.44	60.82	73.46	57.48	69.14	67.51	76.65	60.67	72.32	70.69
08/11/09	08/12/09	0.45	-8.87	63.71	49.74	63.25	58.61	73.17	59.20	72.72	68.06	77.48	63.50	77.02	72.36
08/30/10	08/31/10	11.47	0.69	61.90	49.04	50.43	48.35	71.24	58.38	59.77	57.69	75.49	62.63	64.02	61.94
09/26/11	09/27/11	13.95	4.57	63.64	50.57	49.69	46.00	75.35	62.27	61.40	57.70	80.58	67.49	66.63	62.93
09/17/12	09/18/12	23.99	1.60	72.72	57.99	48.73	56.39	87.01	72.26	63.02	70.65	93.34	78.58	69.35	76.98
09/16/13	09/17/13	22.95	11.64	68.11	57.00	45.16	45.37	82.23	71.11	59.28	59.47	88.48	77.35	65.53	65.72
09/17/14	09/18/14	38.06	21.19	105.90	93.97	67.84	72.77	120.54	108.60	82.48	87.40	127.19	115.25	89.13	94.05

TABLE 5.1.2-VIII

WDW-157 – Historical Flowing and Shut-in Pressure Measurments Compared to Modeled Values for Various Fault Transmissivities

Time of Measurement		Measured Pressure Rise		100% Transmissive – k = 625md PredictW Results		$\Delta P_{PredictW}$ - $\Delta P_{measured}$	
p_{wf}	$p_{shut\ in}$	Δp_{wf}	$\Delta p_{shut\ in}$	Δp_{wf}	$\Delta p_{shut\ in}$	Δp_{wf}	$\Delta p_{shut\ in}$
	02/18/80		0.00				
02/03/88	02/04/88	-7.83	-16.32	62.50	52.49	70.33	68.82
03/16/89	03/16/89	-14.17	-23.84	77.40	61.26	91.57	85.10
06/29/90	06/30/90	40.53	5.04	82.78	63.59	42.25	58.55
07/04/91	07/05/91	-8.09	-24.72	82.10	61.24	90.18	85.96
06/23/92	06/25/92	42.69	-6.79	91.47	61.74	48.79	68.53
08/30/93	09/01/93	-13.29	-18.34	80.87	57.51	94.16	75.85
09/12/94	09/13/94	-13.68	-29.82	101.98	68.69	115.65	98.50
08/14/95	08/15/95	-17.37	-29.69	94.26	67.79	111.63	97.48
08/21/96	08/22/96	-14.22	-30.24	95.33	66.77	109.55	97.02
12/11/97	12/12/97	2.06	-37.49	83.47	65.38	81.40	102.87
09/15/98	09/16/98	-8.15	-20.34	89.07	63.81	97.22	84.15
09/21/99	09/22/99	-17.10	-25.35	90.08	64.00	107.18	89.35
10/12/00	10/13/00	-13.64	-22.31	73.44	54.08	87.08	76.38
09/18/01	09/19/01	-15.19	-23.89	79.09	59.38	94.28	83.28
10/08/02	10/09/02	-17.72	-23.36	75.56	59.93	93.28	83.29
10/23/03	10/24/03	-16.17	-23.49	75.10	61.38	91.27	84.87
11/18/04	11/19/04	-7.65	-18.13	79.84	61.95	87.49	80.08
10/26/05	10/27/05	-10.58	-15.94	74.31	61.88	84.88	77.81
10/26/06	10/27/06	-5.93	-13.65	78.27	64.03	84.20	77.69
10/17/07	10/19/07	3.35	-4.88	84.48	65.00	81.13	69.88
08/18/08	08/19/08	4.32	-10.02	80.35	64.38	76.03	74.40
08/11/09	08/12/09	0.45	-8.87	82.41	68.43	81.96	77.30
08/30/10	08/31/10	11.47	0.69	80.36	67.50	68.89	66.81
09/26/11	09/27/11	13.95	4.57	86.53	73.44	72.59	68.88
09/17/12	09/18/12	23.99	1.60	100.53	85.77	76.54	84.17
09/16/13	09/17/13	22.95	11.64	95.58	84.44	72.63	72.81
09/17/14	09/18/14	38.06	21.19	134.81	122.87	96.75	101.68

TABLE 5.1.2-VIII

WDW-169 – Historical Flowing and Shut-in Pressure Measurments Compared to Modeled Values for Various Fault Transmissivities

Time of Measurement		Measured Pressure Rise		0% Transmissive – k = 625md				25% Transmissive – k = 625md				50% Transmissive – k = 625md			
				PredictW Results		$\Delta P_{PredictW}$ - $\Delta P_{measured}$		PredictW Results		$\Delta P_{PredictW}$ - $\Delta P_{measured}$		PredictW Results		$\Delta P_{PredictW}$ - $\Delta P_{measured}$	
p_{wf}	$p_{shut\ in}$	Δp_{wf}	$\Delta p_{shut\ in}$	Δp_{wf}	$\Delta p_{shut\ in}$	Δp_{wf}	$\Delta p_{shut\ in}$	Δp_{wf}	$\Delta p_{shut\ in}$	Δp_{wf}	$\Delta p_{shut\ in}$	Δp_{wf}	$\Delta p_{shut\ in}$	Δp_{wf}	$\Delta p_{shut\ in}$
	01/19/88	-17.41	-34.54												
10/01/89	10/01/89	36.50	-16.67	104.71	77.64	68.22	94.30	94.27	67.19	57.77	83.86	86.25	59.18	49.76	75.85
10/29/90	10/29/90	17.59	-8.96												
10/25/91	10/27/91	24.62	4.91	88.58	76.47	63.96	71.56	78.05	65.95	53.43	61.04	70.01	57.94	45.39	53.02
10/23/92	10/25/92	0.55	-5.83	87.85	72.29	87.31	78.12	77.90	62.34	77.36	68.18	70.55	55.00	70.00	60.83
12/03/93	12/04/93	1.60	-14.97	89.89	70.11	88.29	85.08	80.64	60.85	79.03	75.82	74.26	54.47	72.65	69.44
10/28/94	10/29/94	-5.03	-19.86	95.91	79.18	100.94	99.04	85.74	69.01	90.78	88.87	78.65	61.91	83.68	81.77
10/20/95	10/21/95	-18.13	-26.40	92.47	73.31	110.60	99.71	82.71	63.55	100.84	89.95	76.22	57.06	94.35	83.45
10/18/96	10/19/96	-2.61	-12.40	96.22	77.08	98.83	89.48	86.00	66.88	88.61	79.27	78.50	59.38	81.11	71.78
10/16/98	10/17/98	19.18	-13.02	77.91	64.40	58.73	77.43	69.82	56.32	50.65	69.34	65.04	51.54	45.86	64.57
03/01/00	03/02/00	-3.74	-13.57	65.31	48.70	69.05	62.27	58.67	42.06	62.42	55.63	55.52	38.90	59.26	52.47
03/16/01	03/17/01	120.11	-19.94	64.92	51.06	-55.20	71.00	58.23	44.38	-61.88	64.31	54.72	40.86	-65.40	60.80
01/05/03	01/06/03	-5.93	-15.34	62.07	50.42	68.00	65.76	55.57	43.93	61.50	59.26	52.49	40.86	58.42	56.20
01/05/04	01/06/04	-2.29	-32.20	62.87	48.79	65.16	80.99	56.97	42.88	59.26	75.09	54.53	40.44	56.82	72.64
01/10/05	01/11/05	7.61	-21.35	66.23	51.89	58.61	73.24	60.34	45.99	52.72	67.33	57.90	43.53	50.29	64.88
11/19/06	11/20/06	40.52	-8.67	73.16	58.02	32.65	66.69	66.53	51.39	26.01	60.06	63.25	48.11	22.73	56.78
01/29/08	01/30/08	10.60	-3.28	78.10	61.26	67.50	64.53	71.28	54.43	60.68	57.70	67.73	50.86	57.13	54.14
02/02/09	02/03/09	8.27	0.58	64.62	49.04	56.36	48.46	58.30	42.73	50.03	42.14	55.59	40.03	47.33	39.45
02/01/10	02/02/10	15.21	4.40	67.41	49.97	52.19	45.57	61.31	43.88	46.09	39.48	59.40	41.98	44.19	37.58
02/03/11	02/04/11	-4.59	-11.97	65.11	51.78	69.70	63.74	59.30	45.97	63.89	57.93	57.63	44.30	62.22	56.27
02/06/12	02/07/12	3.27	3.85	72.99	55.97	69.71	52.12	66.99	49.97	63.72	46.12	65.92	48.90	62.65	45.05
02/04/13	02/05/13	-9.40	-2.13	68.33	53.25	77.73	55.38	62.07	46.99	71.47	49.13	61.27	46.19	70.67	48.33
01/24/14	01/25/14	37.57	24.07	67.82	50.77	30.26	26.70	61.93	44.87	24.36	20.80	61.71	44.65	24.15	20.58

TABLE 5.1.2-IX

WDW-169 – Historical Flowing and Shut-in Pressure Measurments Compared to Modeled Values for Various Fault Transmissivities

Time of Measurement		Measured Pressure Rise		75% Transmissive – k = 625md				90% Transmissive – k = 625md				95% Transmissive – k = 625md			
				PredictW Results		$\Delta P_{PredictW}$ - $\Delta P_{measured}$		PredictW Results		$\Delta P_{PredictW}$ - $\Delta P_{measured}$		PredictW Results		$\Delta P_{PredictW}$ - $\Delta P_{measured}$	
p_{wf}	$p_{shut\ in}$	Δp_{wf}	$\Delta p_{shut\ in}$	Δp_{wf}	$\Delta p_{shut\ in}$	Δp_{wf}	$\Delta p_{shut\ in}$	Δp_{wf}	$\Delta p_{shut\ in}$	Δp_{wf}	$\Delta p_{shut\ in}$	Δp_{wf}	$\Delta p_{shut\ in}$	Δp_{wf}	$\Delta p_{shut\ in}$
	01/19/88	-17.41	-34.54												
10/01/89	10/01/89	36.50	-16.67	83.10	56.04	46.61	72.70	84.56	57.50	48.07	74.17	85.73	58.66	49.23	75.33
10/29/90	10/29/90	17.59	-8.96												
10/25/91	10/27/91	24.62	4.91	66.96	54.92	42.35	50.00	68.58	56.54	43.96	51.63	69.81	57.78	45.19	52.87
10/23/92	10/25/92	0.55	-5.83	68.39	52.83	67.84	58.67	70.67	55.10	70.12	60.94	72.14	56.58	71.60	62.41
12/03/93	12/04/93	1.60	-14.97	73.62	53.84	72.02	68.81	77.20	57.42	75.60	72.39	79.19	59.41	77.59	74.38
10/28/94	10/29/94	-5.03	-19.86	77.68	60.95	82.71	80.81	81.32	64.59	86.36	84.45	83.39	66.66	88.42	86.52
10/20/95	10/21/95	-18.13	-26.40	76.24	57.08	94.37	83.48	80.74	61.59	98.87	87.98	83.15	63.99	101.28	90.39
10/18/96	10/19/96	-2.61	-12.40	76.42	57.31	79.03	69.71	78.91	59.80	81.52	72.20	80.50	61.39	83.11	73.78
10/16/98	10/17/98	19.18	-13.02	66.86	53.37	47.68	66.39	72.50	59.01	53.32	72.04	75.29	61.81	56.11	74.83
03/01/00	03/02/00	-3.74	-13.57	59.29	42.67	63.03	56.24	66.31	49.69	70.05	63.26	69.61	52.98	73.35	66.56
03/16/01	03/17/01	120.11	-19.94	57.46	43.61	-62.65	63.54	63.40	49.55	-56.71	69.48	66.25	52.39	-53.87	72.33
01/05/03	01/06/03	-5.93	-15.34	56.16	44.54	62.09	59.88	62.98	51.37	68.91	66.70	66.18	54.57	72.11	69.91
01/05/04	01/06/04	-2.29	-32.20	58.97	44.87	61.26	77.07	66.35	52.24	68.64	84.44	69.76	55.65	72.05	87.85
01/10/05	01/11/05	7.61	-21.35	62.32	47.94	54.70	69.29	69.68	55.29	62.07	76.64	73.08	58.69	65.47	80.04
11/19/06	11/20/06	40.52	-8.67	66.66	51.53	26.14	60.19	73.31	58.17	32.79	66.84	76.45	61.31	35.93	69.98
01/29/08	01/30/08	10.60	-3.28	70.69	53.82	60.09	57.09	76.94	60.07	66.34	63.34	79.93	63.05	69.33	66.33
02/02/09	02/03/09	8.27	0.58	60.11	44.56	51.84	43.98	67.78	52.24	59.52	51.66	71.34	55.80	63.07	55.22
02/01/10	02/02/10	15.21	4.40	65.87	48.46	50.66	44.06	75.52	58.11	60.30	53.71	79.89	62.49	64.68	58.08
02/03/11	02/04/11	-4.59	-11.97	64.22	50.90	68.81	62.87	73.85	60.55	78.44	72.51	78.21	64.91	82.80	76.87
02/06/12	02/07/12	3.27	3.85	74.70	57.68	71.43	53.83	86.74	69.72	83.46	65.88	92.11	75.10	88.84	71.25
02/04/13	02/05/13	-9.40	-2.13	71.31	56.23	80.71	58.36	84.78	69.69	94.18	71.82	90.76	75.67	100.16	77.81
01/24/14	01/25/14	37.57	24.07	72.72	55.66	35.16	31.60	87.03	69.97	49.46	45.90	93.34	76.28	55.78	52.21

WDW-169 – Historical Flowing and Shut-in Pressure Measurments Compared to Modeled Values for Various Fault Transmissivities

Time of Measurement		Measured Pressure Rise		100% Transmissive – k = 625md			
				PredictW Results		$\Delta P_{PredictW}$ - $\Delta P_{measured}$	
p_{wf}	$p_{shut\ in}$	Δp_{wf}	$\Delta p_{shut\ in}$	Δp_{wf}	$\Delta p_{shut\ in}$	Δp_{wf}	$\Delta p_{shut\ in}$
	01/19/88	-17.41	-34.54				
10/01/89	10/01/89	36.50	-16.67	87.26	60.19	50.76	76.86
10/29/90	10/29/90	17.59	-8.96				
10/25/91	10/27/91	24.62	4.91	71.42	59.40	46.80	54.48
10/23/92	10/25/92	0.55	-5.83	74.02	58.45	73.47	64.28
12/03/93	12/04/93	1.60	-14.97	81.62	61.84	80.01	76.81
10/28/94	10/29/94	-5.03	-19.86	85.92	69.19	90.95	89.05
10/20/95	10/21/95	-18.13	-26.40	86.05	66.89	104.18	93.29
10/18/96	10/19/96	-2.61	-12.40	82.49	63.38	85.10	75.78
10/16/98	10/17/98	19.18	-13.02	78.59	65.11	59.41	78.13
03/01/00	03/02/00	-3.74	-13.57	73.43	56.81	77.18	70.38
03/16/01	03/17/01	120.11	-19.94	69.56	55.71	-50.55	75.65
01/05/03	01/06/03	-5.93	-15.34	69.89	58.29	75.82	73.62
01/05/04	01/06/04	-2.29	-32.20	73.69	59.58	75.98	91.78
01/10/05	01/11/05	7.61	-21.35	77.00	62.61	69.39	83.96
11/19/06	11/20/06	40.52	-8.67	80.10	64.96	39.58	73.63
01/29/08	01/30/08	10.60	-3.28	83.41	66.53	72.81	69.81
02/02/09	02/03/09	8.27	0.58	75.44	59.91	67.18	59.33
02/01/10	02/02/10	15.21	4.40	84.90	67.50	69.69	63.09
02/03/11	02/04/11	-4.59	-11.97	83.19	69.89	87.78	81.86
02/06/12	02/07/12	3.27	3.85	98.24	81.23	94.96	77.38
02/04/13	02/05/13	-9.40	-2.13	97.57	82.48	106.97	84.61
01/24/14	01/25/14	37.57	24.07	100.51	83.45	62.94	59.38

TABLE 5.1.2-IX

WDW-249 – Historical Flowing and Shut-in Pressure Measurments Compared to Modeled Values for Various Fault Transmissivities

Time of Measurement		Measured Pressure Rise		0% Transmissive – k = 625md				25% Transmissive – k = 625md				50% Transmissive – k = 625md			
				PredictW Results		$\Delta P_{PredictW}$ - $\Delta P_{measured}$		PredictW Results		$\Delta P_{PredictW}$ - $\Delta P_{measured}$		PredictW Results		$\Delta P_{PredictW}$ - $\Delta P_{measured}$	
p_{wf}	$p_{shut\ in}$	Δp_{wf}	$\Delta p_{shut\ in}$	Δp_{wf}	$\Delta p_{shut\ in}$	Δp_{wf}	$\Delta p_{shut\ in}$	Δp_{wf}	$\Delta p_{shut\ in}$	Δp_{wf}	$\Delta p_{shut\ in}$	Δp_{wf}	$\Delta p_{shut\ in}$	Δp_{wf}	$\Delta p_{shut\ in}$
	04/12/93	23.97	-1.36	85.922	68.179	61.953	69.543	76.529	58.801	52.56	60.165	69.703	51.993	45.734	53.357
04/08/94	04/09/94	10.82	1.85	89.64	70.71	78.81	68.86	80.40	61.47	69.58	59.62	74.10	55.16	63.28	53.31
04/17/98	04/19/98	178.15	21.71	100.09	69.84	-78.06	48.13	91.20	60.96	-86.95	39.25	85.52	55.30	-92.63	33.59
01/29/99	01/30/99	40.55	40.98	76.77	59.31	36.22	18.33	68.78	51.33	28.23	10.35	64.11	46.68	23.56	5.69
03/02/00	03/04/00	16.55	2.67												
03/13/02	03/14/02	11.14	-4.46	63.96	50.02	52.82	54.48	57.44	43.50	46.30	47.96	54.30	40.37	43.16	44.83
01/07/03	01/08/03	95.74	49.59	65.86	49.30	-29.88	-0.30	59.40	42.86	-36.33	-6.73	56.36	39.84	-39.38	-9.75
01/08/04	01/09/04	11.19	-6.01	63.34	48.47	52.15	54.48	57.44	42.57	46.25	48.58	55.00	40.12	43.80	46.13
01/13/05	01/14/05	31.08	9.68	68.48	54.28	37.40	44.59	62.57	48.36	31.49	38.67	60.11	45.88	29.02	36.19
01/24/07	01/25/07	47.29	17.36	70.19	56.26	22.90	38.90	63.74	49.81	16.45	32.45	60.60	46.68	13.32	29.32
01/19/08	01/20/08	13.72	9.44	73.35	54.06	59.62	44.62	66.42	47.15	52.70	37.71	62.76	43.51	49.04	34.06
02/05/09	02/06/09	18.71	9.98	66.44	52.84	47.73	42.86	60.17	46.59	41.46	36.61	57.52	43.95	38.81	33.97
02/04/10	02/05/10	55.61	33.61	67.62	53.37	12.01	19.76	61.56	47.33	5.95	13.72	59.70	45.48	4.09	11.87
01/31/11	01/31/11	48.86	29.40	60.90	47.48	12.04	18.08	55.07	41.65	6.21	12.25	53.36	39.95	4.50	10.55
03/18/12	03/19/12	71.77	44.63	70.18	56.99	-1.59	12.36	64.20	51.02	-7.56	6.39	63.31	50.13	-8.46	5.50
02/07/13	02/08/13	56.31	31.90	72.51	59.19	16.20	27.29	66.28	52.97	9.97	21.07	65.50	52.19	9.19	20.29
01/27/14	01/28/14	69.42	55.17	63.93	49.79	-5.49	-5.38	58.06	43.94	-11.36	-11.23	57.87	43.76	-11.55	-11.41

TABLE 5.1.2-X

WDW-249 – Historical Flowing and Shut-in Pressure Measurments Compared to Modeled Values for Various Fault Transmissivities

				75% Transmissive – k = 625md				90% Transmissive – k = 625md				95% Transmissive – k = 625md			
Time of Measurement		Measured Pressure Rise		PredictW Results		$\Delta P_{PredictW}$ - $\Delta P_{measured}$		PredictW Results		$\Delta P_{PredictW}$ - $\Delta P_{measured}$		PredictW Results		$\Delta P_{PredictW}$ - $\Delta P_{measured}$	
p_{wf}	$p_{shut\ in}$	Δp_{wf}	$\Delta p_{shut\ in}$	Δp_{wf}	$\Delta p_{shut\ in}$	Δp_{wf}	$\Delta p_{shut\ in}$	Δp_{wf}	$\Delta p_{shut\ in}$	Δp_{wf}	$\Delta p_{shut\ in}$	Δp_{wf}	$\Delta p_{shut\ in}$	Δp_{wf}	$\Delta p_{shut\ in}$
	04/12/93	23.97	-1.36	68.011	50.328	44.042	51.692	70.528	52.867	46.559	54.231	72.08	54.426	48.111	55.79
04/08/94	04/09/94	10.82	1.85	73.68	54.73	62.86	52.88	77.47	58.52	66.64	56.67	79.55	60.59	68.72	58.74
04/17/98	04/19/98	178.15	21.71	86.25	56.04	-91.90	34.34	91.10	60.91	-87.05	39.20	93.61	63.42	-84.54	41.71
01/29/99	01/30/99	40.55	40.98	66.09	48.67	25.54	7.69	71.85	54.44	31.30	13.46	74.69	57.29	34.15	16.30
03/02/00	03/04/00	16.55	2.67												
03/13/02	03/14/02	11.14	-4.46	57.80	43.86	46.66	48.32	64.44	50.50	53.30	54.95	67.56	53.62	56.42	58.08
01/07/03	01/08/03	95.74	49.59	60.05	43.55	-35.69	-6.04	66.86	50.38	-28.87	0.79	70.06	53.59	-25.67	4.00
01/08/04	01/09/04	11.19	-6.01	59.41	44.53	48.21	50.54	66.75	51.88	55.56	57.89	70.15	55.27	58.95	61.29
01/13/05	01/14/05	31.08	9.68	64.48	50.24	33.39	40.55	71.80	57.55	40.71	47.87	75.18	60.93	44.10	51.25
01/24/07	01/25/07	47.29	17.36	64.08	50.16	16.79	32.79	70.71	56.79	23.42	39.42	73.83	59.91	26.54	42.55
01/19/08	01/20/08	13.72	9.44	65.61	46.37	51.89	36.92	71.79	52.55	58.06	43.11	74.75	55.52	61.02	46.07
02/05/09	02/06/09	18.71	9.98	62.07	48.52	43.37	38.54	69.76	56.22	51.06	46.24	73.32	59.79	54.62	49.80
02/04/10	02/05/10	55.61	33.61	66.19	51.99	10.58	18.38	75.84	61.64	20.23	28.03	80.21	66.02	24.60	32.41
01/31/11	01/31/11	48.86	29.40	59.87	46.48	11.01	17.08	69.43	56.06	20.57	26.66	73.76	60.39	24.90	30.99
03/18/12	03/19/12	71.77	44.63	72.57	59.40	0.80	14.77	85.11	71.95	13.34	27.31	90.69	77.54	18.93	32.90
02/07/13	02/08/13	56.31	31.90	75.53	62.22	19.22	30.32	88.96	75.65	32.66	43.75	94.94	81.63	38.63	49.72
01/27/14	01/28/14	69.42	55.17	68.88	54.79	-0.53	-0.38	83.17	69.09	13.76	13.92	89.48	75.40	20.06	20.23

TABLE 5.1.2-X

WDW-249 – Historical Flowing and Shut-in Pressure Measurments Compared to Modeled Values for Various Fault Transmissivities

Time of Measurement		Measured Pressure Rise		100% Transmissive – k = 625md			
				PredictW Results		$\Delta P_{PredictW}$ - $\Delta P_{measured}$	
p_{wf}	$p_{shut\ in}$	Δp_{wf}	$\Delta p_{shut\ in}$	Δp_{wf}	$\Delta p_{shut\ in}$	Δp_{wf}	$\Delta p_{shut\ in}$
	04/12/93	23.97	-1.36	74.021	56.376	50.052	57.74
04/08/94	04/09/94	10.82	1.85	82.07	63.11	71.25	61.26
04/17/98	04/19/98	178.15	21.71	96.60	66.42	-81.55	44.71
01/29/99	01/30/99	40.55	40.98	78.04	60.64	37.50	19.66
03/02/00	03/04/00	16.55	2.67				
03/13/02	03/14/02	11.14	-4.46	71.18	57.24	60.05	61.70
01/07/03	01/08/03	95.74	49.59	73.77	57.30	-21.97	7.71
01/08/04	01/09/04	11.19	-6.01	74.06	59.19	62.87	65.20
01/13/05	01/14/05	31.08	9.68	79.09	64.84	48.01	55.15
01/24/07	01/25/07	47.29	17.36	77.46	63.54	30.17	46.17
01/19/08	01/20/08	13.72	9.44	78.20	58.97	64.48	49.53
02/05/09	02/06/09	18.71	9.98	77.43	63.90	58.73	53.92
02/04/10	02/05/10	55.61	33.61	85.22	71.03	29.61	37.42
01/31/11	01/31/11	48.86	29.40	78.71	65.35	29.85	35.95
03/18/12	03/19/12	71.77	44.63	97.05	83.90	25.28	39.26
02/07/13	02/08/13	56.31	31.90	101.73	88.42	45.42	56.51
01/27/14	01/28/14	69.42	55.17	96.64	82.56	27.22	27.39

TABLE 5.1.2-X

Table 5.1.3-I

WDW-157 Projected Flowing and 24-Hour Shutin Pressures
Top of Lower Frio (6862 feet BGL)

Date	Infinite Acting Reservoir		Reservoir With a Single Fault	
	Flowing Pressure psia	24 Hour Shutin Pressure psia	Flowing Pressure psia	24 Hour Shutin Pressure psia
Jan-2007	3560.89		3295.73	
Feb-2007	3587.24		3315.76	
Mar-2007	3604.65		3329.02	
Apr-2007	3616.66		3338.15	
May-2007	3626.26		3345.41	
Jun-2007	3633.85		3351.00	
Jul-2007	3640.46		3356.01	
Aug-2007	3646.16		3360.35	
Sep-2007	3651.03		3364.04	
Oct-2007	3655.51		3367.45	
Nov-2007	3659.44		3370.38	
Dec-2007	3663.14	3335.72	3373.14	3234.85
Jan-2008	3666.54		3375.76	
Feb-2008	3669.48		3378.03	
Mar-2008	3672.41		3380.28	
Apr-2008	3675.05		3382.33	
May-2008	3677.65		3384.31	
Jun-2008	3680.01		3386.12	
Jul-2008	3682.33		3387.89	
Aug-2008	3684.52		3389.57	
Sep-2008	3686.52		3391.11	
Oct-2008	3688.51		3392.63	
Nov-2008	3690.35		3394.04	
Dec-2008	3692.18	3364.65	3395.43	3257.06

Table 5.1.3-I, Continued

WDW-157 Projected Flowing and 24-Hour Shutin Pressures, Top of Lower Frio (6862 feet BGL)

Date	Infinite Acting Reservoir		Reservoir With a Single Fault	
	Flowing Pressure psia	24 Hour Shutin Pressure psia	Flowing Pressure psia	24 Hour Shutin Pressure psia
Jan-2009	3762.85		3434.95	
Feb-2009	3770.95		3441.18	
Mar-2009	3776.83		3445.75	
Apr-2009	3781.24		3449.17	
May-2009	3785.06		3452.12	
Jun-2009	3788.29		3454.57	
Jul-2009	3791.29		3456.92	
Aug-2009	3794.01		3459.05	
Sep-2009	3796.45		3460.96	
Oct-2009	3798.82		3462.80	
Nov-2009	3800.97		3464.47	
Dec-2009	3803.08	3475.53	3466.11	3327.72
Jan-2010	3805.06		3467.66	
Feb-2010	3806.78		3469.00	
Mar-2010	3808.60		3470.42	
Apr-2010	3810.30		3471.73	
May-2010	3811.99		3473.04	
Jun-2010	3813.58		3474.26	
Jul-2010	3815.14		3475.47	
Aug-2010	3816.65		3476.65	
Sep-2010	3818.07		3477.75	
Oct-2010	3819.50		3478.85	
Nov-2010	3820.84		3479.89	
Dec-2010	3822.19	3494.60	3480.93	3342.50
Jan-2011	3823.50		3481.94	
Feb-2011	3824.65		3482.83	
Mar-2011	3825.91		3483.79	
Apr-2011	3827.09		3484.69	
May-2011	3828.29		3485.61	
Jun-2011	3829.41		3486.47	
Jul-2011	3830.60		3487.35	
Aug-2011	3831.71		3488.20	
Sep-2011	3832.76		3489.01	
Oct-2011	3833.81		3489.83	
Nov-2011	3834.81		3490.60	
Dec-2011	3835.87	3508.26	3491.39	3352.94

Table 5.1.3-I, Continued

WDW-157 Projected Flowing and 24-Hour Shutin Pressures, Top of Lower Frio (6862 feet BGL)

Date	Infinite Acting Reservoir		Reservoir With a Single Fault	
	Flowing Pressure psia	24 Hour Shutin Pressure psia	Flowing Pressure psia	24 Hour Shutin Pressure psia
Jan-2012	3836.85		3492.16	
Feb-2012	3837.71		3492.86	
Mar-2012	3838.69		3493.60	
Apr-2012	3839.61		3494.31	
May-2012	3840.52		3495.02	
Jun-2012	3841.41		3495.70	
Jul-2012	3842.32		3496.39	
Aug-2012	3843.20		3497.07	
Sep-2012	3844.04		3497.71	
Oct-2012	3844.90		3498.37	
Nov-2012	3845.72		3498.99	
Dec-2012	3846.55	3518.92	3499.63	3361.17
Jan-2013	3847.37		3500.25	
Feb-2013	3848.13		3500.81	
Mar-2013	3848.93		3501.42	
Apr-2013	3849.69		3502.00	
May-2013	3850.47		3502.59	
Jun-2013	3851.20		3503.15	
Jul-2013	3851.94		3503.72	
Aug-2013	3852.65		3504.29	
Sep-2013	3853.35		3504.83	
Oct-2013	3854.08		3505.38	
Nov-2013	3854.76		3505.90	
Dec-2013	3855.47	3527.82	3506.44	3367.97
Jan-2014	3856.16		3506.97	
Feb-2014	3856.78		3507.44	
Mar-2014	3857.45		3507.96	
Apr-2014	3858.10		3508.45	
May-2014	3858.76		3508.95	
Jun-2014	3859.39		3509.43	
Jul-2014	3860.04		3509.93	
Aug-2014	3860.67		3510.41	
Sep-2014	3861.28		3510.88	
Oct-2014	3861.91		3511.35	
Nov-2014	3862.50		3511.81	
Dec-2014	3863.11	3535.46	3512.27	3373.80

Table 5.1.3-I, Continued

WDW-157 Projected Flowing and 24-Hour Shutin Pressures, Top of Lower Frio (6862 feet BGL)

Date	Infinite Acting Reservoir		Reservoir With a Single Fault	
	Flowing Pressure psia	24 Hour Shutin Pressure psia	Flowing Pressure psia	24 Hour Shutin Pressure psia
Jan-2015	3863.72		3512.73	
Feb-2015	3864.25		3513.14	
Mar-2015	3864.84		3513.59	
Apr-2015	3865.41		3514.02	
May-2015	3865.99		3514.46	
Jun-2015	3866.54		3514.88	
Jul-2015	3867.11		3515.32	
Aug-2015	3867.67		3515.74	
Sep-2015	3868.21		3516.15	
Oct-2015	3868.76		3516.57	
Nov-2015	3869.29		3516.97	
Dec-2015	3869.82	3542.16	3517.38	3378.90
Jan-2016	3870.36		3517.79	
Feb-2016	3870.86		3518.16	
Mar-2016	3871.38		3518.56	
Apr-2016	3871.88		3518.95	
May-2016	3872.40		3519.34	
Jun-2016	3872.89		3519.71	
Jul-2016	3873.40		3520.10	
Aug-2016	3873.90		3520.48	
Sep-2016	3874.38		3520.84	
Oct-2016	3874.87		3521.22	
Nov-2016	3875.35		3521.58	
Dec-2016	3875.83	3548.16	3521.95	3383.46
Jan-2017	3876.31		3522.31	
Feb-2017	3876.74		3522.64	
Mar-2017	3877.21		3523.00	
Apr-2017	3877.67		3523.34	
May-2017	3878.13		3523.70	
Jun-2017	3878.58		3524.03	
Jul-2017	3879.04		3524.38	
Aug-2017	3879.49		3524.73	
Sep-2017	3879.93		3525.06	
Oct-2017	3880.37		3525.40	
Nov-2017	3880.80		3525.72	
Dec-2017	3881.24	3553.56	3526.06	3387.56

Table 5.1.3-II

WDW-169 Projected Flowing and 24-Hour Shutin Pressures
Top of Lower Frio (6853 feet BGL)

Date	Infinite Acting Reservoir		Reservoir With a Single Fault	
	Flowing Pressure psia	24 Hour Shutin Pressure psia	Flowing Pressure psia	24 Hour Shutin Pressure psia
Jan-2007	3540.99		3276.54	
Feb-2007	3567.32		3296.07	
Mar-2007	3584.97		3308.99	
Apr-2007	3596.96		3317.89	
May-2007	3606.53		3325.14	
Jun-2007	3614.09		3330.83	
Jul-2007	3620.70		3335.80	
Aug-2007	3626.41		3340.09	
Sep-2007	3631.27		3343.73	
Oct-2007	3635.76		3347.09	
Nov-2007	3639.69		3349.94	
Dec-2007	3643.40	3393.38	3352.75	3247.30
Jan-2008	3646.80		3355.33	
Feb-2008	3649.75		3357.57	
Mar-2008	3652.68		3359.80	
Apr-2008	3655.33		3361.82	
May-2008	3657.91		3363.72	
Jun-2008	3660.25		3365.45	
Jul-2008	3662.57		3367.22	
Aug-2008	3664.76		3368.90	
Sep-2008	3666.78		3370.44	
Oct-2008	3668.77		3371.96	
Nov-2008	3670.61		3373.37	
Dec-2008	3672.44	3422.32	3374.76	3269.24

Table 5.1.3-II, Continued

WDW-169 Projected Flowing and 24-Hour Shutin Pressures, Top of Lower Frio (6853 feet BGL)

Date	Infinite Acting Reservoir		Reservoir With a Single Fault	
	Flowing Pressure psia	24 Hour Shutin Pressure psia	Flowing Pressure psia	24 Hour Shutin Pressure psia
Jan-2009	3700.53		3395.02	
Feb-2009	3708.32		3401.01	
Mar-2009	3714.01		3405.54	
Apr-2009	3718.42		3408.95	
May-2009	3722.24		3411.91	
Jun-2009	3725.47		3414.40	
Jul-2009	3728.46		3416.72	
Aug-2009	3731.20		3418.83	
Sep-2009	3733.64		3420.71	
Oct-2009	3736.01		3422.47	
Nov-2009	3738.16		3424.14	
Dec-2009	3740.24	3490.11	3425.78	3320.24
Jan-2010	3742.23		3427.33	
Feb-2010	3743.95		3428.67	
Mar-2010	3745.78		3430.08	
Apr-2010	3747.48		3431.40	
May-2010	3749.18		3432.71	
Jun-2010	3750.74		3433.93	
Jul-2010	3752.31		3435.14	
Aug-2010	3753.83		3436.32	
Sep-2010	3755.25		3437.42	
Oct-2010	3756.68		3438.52	
Nov-2010	3758.01		3439.55	
Dec-2010	3759.35	3509.19	3440.59	3335.03
Jan-2011	3760.66		3441.61	
Feb-2011	3761.82		3442.50	
Mar-2011	3763.07		3443.46	
Apr-2011	3764.24		3444.36	
May-2011	3765.42		3445.28	
Jun-2011	3766.54		3446.14	
Jul-2011	3767.68		3447.02	
Aug-2011	3768.79		3447.87	
Sep-2011	3769.86		3448.68	
Oct-2011	3770.91		3449.50	
Nov-2011	3771.91		3450.27	
Dec-2011	3772.93	3522.75	3451.05	3345.48

Table 5.1.3-II, Continued

WDW-169 Projected Flowing and 24-Hour Shutin Pressures, Top of Lower Frio (6853 feet BGL)

Date	Infinite Acting Reservoir		Reservoir With a Single Fault	
	Flowing Pressure psia	24 Hour Shutin Pressure psia	Flowing Pressure psia	24 Hour Shutin Pressure psia
Jan-2012	3773.93		3451.82	
Feb-2012	3774.85		3452.53	
Mar-2012	3775.81		3453.27	
Apr-2012	3776.73		3453.98	
May-2012	3777.66		3454.69	
Jun-2012	3778.56		3455.37	
Jul-2012	3779.44		3456.06	
Aug-2012	3780.33		3456.74	
Sep-2012	3781.18		3457.38	
Oct-2012	3782.09		3458.04	
Nov-2012	3782.89		3458.66	
Dec-2012	3783.71	3533.51	3459.30	3353.71
Jan-2013	3784.54		3459.92	
Feb-2013	3785.24		3460.48	
Mar-2013	3786.04		3461.09	
Apr-2013	3786.78		3461.67	
May-2013	3787.54		3462.26	
Jun-2013	3788.29		3462.82	
Jul-2013	3789.05		3463.39	
Aug-2013	3789.77		3463.96	
Sep-2013	3790.47		3464.50	
Oct-2013	3791.19		3465.05	
Nov-2013	3791.88		3465.57	
Dec-2013	3792.59	3542.38	3466.11	3360.51
Jan-2014	3793.28		3466.64	
Feb-2014	3793.92		3467.11	
Mar-2014	3794.59		3467.62	
Apr-2014	3795.24		3468.12	
May-2014	3795.86		3468.62	
Jun-2014	3796.52		3469.10	
Jul-2014	3797.16		3469.60	
Aug-2014	3797.77		3470.08	
Sep-2014	3798.38		3470.55	
Oct-2014	3799.00		3471.02	
Nov-2014	3799.60		3471.48	
Dec-2014	3800.21	3549.99	3471.94	3366.33

Table 5.1.3-II, Continued

WDW-169 Projected Flowing and 24-Hour Shutin Pressures, Top of Lower Frio (6853 feet BGL)

Date	Infinite Acting Reservoir		Reservoir With a Single Fault	
	Flowing Pressure psia	24 Hour Shutin Pressure psia	Flowing Pressure psia	24 Hour Shutin Pressure psia
Jan-2015	3800.81		3472.40	
Feb-2015	3801.35		3472.81	
Mar-2015	3801.94		3473.26	
Apr-2015	3802.51		3473.69	
May-2015	3803.08		3474.13	
Jun-2015	3803.64		3474.55	
Jul-2015	3804.21		3474.98	
Aug-2015	3804.81		3475.41	
Sep-2015	3805.34		3475.82	
Oct-2015	3805.89		3476.24	
Nov-2015	3806.42		3476.64	
Dec-2015	3806.96	3556.73	3477.05	3371.44
Jan-2016	3807.49		3477.46	
Feb-2016	3807.99		3477.83	
Mar-2016	3808.51		3478.23	
Apr-2016	3809.02		3478.62	
May-2016	3809.53		3479.01	
Jun-2016	3810.03		3479.38	
Jul-2016	3810.53		3479.77	
Aug-2016	3811.03		3480.15	
Sep-2016	3811.51		3480.51	
Oct-2016	3812.01		3480.89	
Nov-2016	3812.48		3481.25	
Dec-2016	3812.96	3562.73	3481.62	3376.00
Jan-2017	3813.44		3481.98	
Feb-2017	3813.87		3482.31	
Mar-2017	3814.35		3482.67	
Apr-2017	3814.80		3483.01	
May-2017	3815.27		3483.36	
Jun-2017	3815.71		3483.70	
Jul-2017	3816.17		3484.05	
Aug-2017	3816.62		3484.40	
Sep-2017	3817.06		3484.73	
Oct-2017	3817.51		3485.07	
Nov-2017	3817.94		3485.39	
Dec-2017	3818.38	3568.14	3485.73	3380.10

Table 5.1.3-III

WDW-249 Projected Flowing and 24-Hour Shutin Pressures
Top of Lower Frio (6854 feet BGL)

Date	Infinite Acting Reservoir		Reservoir With a Single Fault	
	Flowing Pressure psia	24 Hour Shutin Pressure psia	Flowing Pressure psia	24 Hour Shutin Pressure psia
Jan-2007	3537.24		3274.30	
Feb-2007	3563.79		3293.78	
Mar-2007	3581.02		3306.63	
Apr-2007	3593.01		3315.48	
May-2007	3602.58		3322.74	
Jun-2007	3610.14		3328.44	
Jul-2007	3616.76		3333.39	
Aug-2007	3622.46		3337.69	
Sep-2007	3627.32		3341.31	
Oct-2007	3631.81		3344.70	
Nov-2007	3635.74		3347.64	
Dec-2007	3639.45	3389.43	3350.32	3244.87
Jan-2008	3642.85		3352.91	
Feb-2008	3645.80		3355.14	
Mar-2008	3648.74		3357.38	
Apr-2008	3651.39		3359.39	
May-2008	3653.96		3361.36	
Jun-2008	3656.30		3363.09	
Jul-2008	3658.62		3364.77	
Aug-2008	3660.81		3366.45	
Sep-2008	3662.83		3368.00	
Oct-2008	3664.82		3369.52	
Nov-2008	3666.67		3370.92	
Dec-2008	3668.49	3418.37	3372.32	3266.79

Table 5.1.3-III, Continued

WDW-249 Projected Flowing and 24-Hour Shutin Pressures, Top of Lower Frio (6854 feet BGL)

Date	Infinite Acting Reservoir		Reservoir With a Single Fault	
	Flowing Pressure psia	24 Hour Shutin Pressure psia	Flowing Pressure psia	24 Hour Shutin Pressure psia
Jan-2009	3694.49		3391.55	
Feb-2009	3702.28		3397.47	
Mar-2009	3707.87		3401.97	
Apr-2009	3712.28		3405.38	
May-2009	3716.09		3408.34	
Jun-2009	3719.32		3410.83	
Jul-2009	3722.32		3413.15	
Aug-2009	3725.05		3415.25	
Sep-2009	3727.50		3417.14	
Oct-2009	3729.86		3418.96	
Nov-2009	3732.01		3420.56	
Dec-2009	3734.11	3483.99	3422.19	3316.66
Jan-2010	3736.09		3423.74	
Feb-2010	3737.81		3425.08	
Mar-2010	3739.64		3426.50	
Apr-2010	3741.34		3427.82	
May-2010	3743.03		3429.12	
Jun-2010	3744.61		3430.34	
Jul-2010	3746.17		3431.56	
Aug-2010	3747.69		3432.73	
Sep-2010	3749.11		3433.83	
Oct-2010	3750.54		3434.93	
Nov-2010	3751.88		3435.97	
Dec-2010	3753.21	3503.05	3437.01	3331.45
Jan-2011	3754.52		3438.02	
Feb-2011	3755.67		3438.91	
Mar-2011	3756.92		3439.87	
Apr-2011	3758.10		3440.78	
May-2011	3759.28		3441.69	
Jun-2011	3760.40		3442.56	
Jul-2011	3761.53		3443.43	
Aug-2011	3762.64		3444.28	
Sep-2011	3763.70		3445.09	
Oct-2011	3764.77		3445.91	
Nov-2011	3765.78		3446.69	
Dec-2011	3766.78	3516.60	3447.47	3341.89

Table 5.1.3-III, Continued

WDW-249 Projected Flowing and 24-Hour Shutin Pressures, Top of Lower Frio (6854 feet BGL)

Date	Infinite Acting Reservoir		Reservoir With a Single Fault	
	Flowing Pressure psia	24 Hour Shutin Pressure psia	Flowing Pressure psia	24 Hour Shutin Pressure psia
Jan-2012	3767.79		3448.24	
Feb-2012	3768.70		3448.95	
Mar-2012	3769.67		3449.69	
Apr-2012	3770.59		3450.39	
May-2012	3771.52		3451.10	
Jun-2012	3772.40		3451.78	
Jul-2012	3773.30		3452.47	
Aug-2012	3774.18		3453.15	
Sep-2012	3775.05		3453.80	
Oct-2012	3775.90		3454.45	
Nov-2012	3776.76		3455.08	
Dec-2012	3777.58	3527.39	3455.71	3350.12
Jan-2013	3778.40		3456.34	
Feb-2013	3779.10		3456.89	
Mar-2013	3779.90		3457.50	
Apr-2013	3780.66		3458.08	
May-2013	3781.40		3458.67	
Jun-2013	3782.13		3459.23	
Jul-2013	3782.89		3459.81	
Aug-2013	3783.64		3460.37	
Sep-2013	3784.33		3460.91	
Oct-2013	3785.04		3461.46	
Nov-2013	3785.74		3461.99	
Dec-2013	3786.44	3536.23	3462.52	3356.92
Jan-2014	3787.13		3463.05	
Feb-2014	3787.76		3463.52	
Mar-2014	3788.44		3464.04	
Apr-2014	3789.10		3464.53	
May-2014	3789.72		3465.04	
Jun-2014	3790.35		3465.52	
Jul-2014	3791.00		3466.01	
Aug-2014	3791.64		3466.50	
Sep-2014	3792.24		3466.96	
Oct-2014	3792.89		3467.44	
Nov-2014	3793.48		3467.89	
Dec-2014	3794.06	3543.84	3468.36	3362.75

Table 5.1.3-III, Continued

WDW-249 Projected Flowing and 24-Hour Shutin Pressures, Top of Lower Frio (6854 feet BGL)

Date	Infinite Acting Reservoir		Reservoir With a Single Fault	
	Flowing Pressure psia	24 Hour Shutin Pressure psia	Flowing Pressure psia	24 Hour Shutin Pressure psia
Jan-2015	3794.67		3468.81	
Feb-2015	3795.20		3469.23	
Mar-2015	3795.79		3469.67	
Apr-2015	3796.36		3470.11	
May-2015	3796.94		3470.55	
Jun-2015	3797.49		3470.97	
Jul-2015	3798.06		3471.40	
Aug-2015	3798.62		3471.83	
Sep-2015	3799.16		3472.24	
Oct-2015	3799.71		3472.65	
Nov-2015	3800.24		3473.06	
Dec-2015	3800.82	3550.59	3473.47	3367.85
Jan-2016	3801.35		3473.87	
Feb-2016	3801.84		3474.25	
Mar-2016	3802.37		3474.65	
Apr-2016	3802.87		3475.03	
May-2016	3803.39		3475.42	
Jun-2016	3803.88		3475.80	
Jul-2016	3804.39		3476.18	
Aug-2016	3804.89		3476.56	
Sep-2016	3805.37		3476.93	
Oct-2016	3805.86		3477.30	
Nov-2016	3806.34		3477.66	
Dec-2016	3806.82	3556.59	3478.03	3372.41
Jan-2017	3807.30		3478.40	
Feb-2017	3807.73		3478.72	
Mar-2017	3808.20		3479.08	
Apr-2017	3808.66		3479.43	
May-2017	3809.12		3479.78	
Jun-2017	3809.57		3480.12	
Jul-2017	3810.02		3480.47	
Aug-2017	3810.48		3480.81	
Sep-2017	3810.91		3481.14	
Oct-2017	3811.36		3481.48	
Nov-2017	3811.79		3481.81	
Dec-2017	3812.23	3561.99	3482.14	3376.52

Table 5.1.3-IV

WDW-407 Projected Flowing and 24-Hour Shutin Pressures
Top of Lower Frio (est 6862 feet BGL)

Date	Infinite Acting Reservoir		Reservoir With a Single Fault	
	Flowing Pressure psia	24 Hour Shutin Pressure psia	Flowing Pressure psia	24 Hour Shutin Pressure psia
Jan-2009	3628.37		3382.63	
Feb-2009	3636.47		3388.90	
Mar-2009	3642.35		3393.47	
Apr-2009	3646.76		3396.89	
May-2009	3650.58		3399.84	
Jun-2009	3653.81		3402.30	
Jul-2009	3656.81		3404.65	
Aug-2009	3659.53		3406.78	
Sep-2009	3661.97		3408.69	
Oct-2009	3664.33		3410.53	
Nov-2009	3666.49		3412.20	
Dec-2009	3668.58	3504.88	3413.84	3344.68
Jan-2010	3670.57		3415.39	
Feb-2010	3672.29		3416.73	
Mar-2010	3674.12		3418.14	
Apr-2010	3675.81		3419.46	
May-2010	3677.50		3420.77	
Jun-2010	3679.09		3421.99	
Jul-2010	3680.66		3423.20	
Aug-2010	3682.16		3424.38	
Sep-2010	3683.59		3425.48	
Oct-2010	3685.02		3426.58	
Nov-2010	3686.36		3427.62	
Dec-2010	3687.71	3523.96	3428.65	3359.46

Table 5.1.3-IV, Continued

WDW-407 Projected Flowing and 24-Hour Shutin Pressures, Top of Lower Frio (est 6862 feet BGL)

Date	Infinite Acting Reservoir		Reservoir With a Single Fault	
	Flowing Pressure psia	24 Hour Shutin Pressure psia	Flowing Pressure psia	24 Hour Shutin Pressure psia
Jan-2011	3689.02		3429.67	
Feb-2011	3690.17		3430.56	
Mar-2011	3691.44		3431.52	
Apr-2011	3692.61		3432.42	
May-2011	3693.80		3433.34	
Jun-2011	3694.93		3434.20	
Jul-2011	3696.12		3435.08	
Aug-2011	3697.22		3435.93	
Sep-2011	3698.30		3436.74	
Oct-2011	3699.36		3437.56	
Nov-2011	3700.32		3438.33	
Dec-2011	3701.34	3537.57	3439.12	3369.90
Jan-2012	3702.33		3439.88	
Feb-2012	3703.25		3440.59	
Mar-2012	3704.20		3441.33	
Apr-2012	3705.13		3442.04	
May-2012	3706.06		3442.75	
Jun-2012	3706.93		3443.43	
Jul-2012	3707.84		3444.12	
Aug-2012	3708.72		3444.80	
Sep-2012	3709.56		3445.44	
Oct-2012	3710.42		3446.10	
Nov-2012	3711.28		3446.72	
Dec-2012	3712.12	3548.33	3447.36	3378.13
Jan-2013	3712.93		3447.98	
Feb-2013	3713.65		3448.54	
Mar-2013	3714.44		3449.15	
Apr-2013	3715.20		3449.73	
May-2013	3715.98		3450.32	
Jun-2013	3716.72		3450.88	
Jul-2013	3717.46		3451.45	
Aug-2013	3718.20		3452.02	
Sep-2013	3718.87		3452.56	
Oct-2013	3719.59		3453.11	
Nov-2013	3720.28		3453.63	
Dec-2013	3720.98	3557.18	3454.17	3384.93

Table 5.1.3-IV, Continued

WDW-407 Projected Flowing and 24-Hour Shutin Pressures, Top of Lower Frio (est 6862 feet BGL)

Date	Infinite Acting Reservoir		Reservoir With a Single Fault	
	Flowing Pressure psia	24 Hour Shutin Pressure psia	Flowing Pressure psia	24 Hour Shutin Pressure psia
Jan-2014	3721.67		3454.70	
Feb-2014	3722.29		3455.17	
Mar-2014	3722.97		3455.68	
Apr-2014	3723.62		3456.18	
May-2014	3724.28		3456.68	
Jun-2014	3724.91		3457.16	
Jul-2014	3725.55		3457.66	
Aug-2014	3726.19		3458.14	
Sep-2014	3726.80		3458.61	
Oct-2014	3727.42		3459.08	
Nov-2014	3728.02		3459.54	
Dec-2014	3728.63	3564.82	3460.00	3390.76
Jan-2015	3729.23		3460.46	
Feb-2015	3729.77		3460.87	
Mar-2015	3730.36		3461.32	
Apr-2015	3730.93		3461.75	
May-2015	3731.50		3462.19	
Jun-2015	3732.06		3462.61	
Jul-2015	3732.63		3463.04	
Aug-2015	3733.19		3463.47	
Sep-2015	3733.72		3463.88	
Oct-2015	3734.27		3464.30	
Nov-2015	3734.80		3464.70	
Dec-2015	3735.34	3571.53	3465.11	3395.86
Jan-2016	3735.88		3465.52	
Feb-2016	3736.37		3465.89	
Mar-2016	3736.90		3466.29	
Apr-2016	3737.40		3466.68	
May-2016	3737.91		3467.07	
Jun-2016	3738.41		3467.44	
Jul-2016	3738.91		3467.83	
Aug-2016	3739.41		3468.21	
Sep-2016	3739.90		3468.57	
Oct-2016	3740.39		3468.95	
Nov-2016	3740.86		3469.31	
Dec-2016	3741.35	3577.53	3469.68	3400.42

Table 5.1.3-IV, Continued

WDW-407 Projected Flowing and 24-Hour Shutin Pressures, Top of Lower Frio (est 6862 feet BGL)

Date	Infinite Acting Reservoir		Reservoir With a Single Fault	
	Flowing Pressure psia	24 Hour Shutin Pressure psia	Flowing Pressure psia	24 Hour Shutin Pressure psia
Jan-2017	3741.83		3470.04	
Feb-2017	3742.26		3470.37	
Mar-2017	3742.73		3470.73	
Apr-2017	3743.18		3471.07	
May-2017	3743.65		3471.42	
Jun-2017	3744.09		3471.76	
Jul-2017	3744.55		3472.11	
Aug-2017	3745.01		3472.46	
Sep-2017	3745.44		3472.79	
Oct-2017	3745.89		3473.13	
Nov-2017	3746.32		3473.45	
Dec-2017	3746.76	3582.93	3473.79	3404.53

Table 5.1.3-V

WDW-157 Projected Flowing and 24-Hour Shutin Pressures
Top of Upper Frio (5517 feet BGL)

Date	Infinite Acting Reservoir		Reservoir With a Single Fault	
	Flowing Pressure psia	24 Hour Shutin Pressure psia	Flowing Pressure psia	24 Hour Shutin Pressure psia
Month 1	3133.96		2752.22	
Month 2	3136.62		2753.98	
Month 3	3137.84		2755.13	
Month 4	3139.02		2756.07	
Month 5	3140.16		2756.98	
Month 6	3141.25		2757.66	
Month 7	3142.32		2758.60	
Month 8	3143.35		2759.51	
Month 9	3144.34		2760.38	
Month 10	3145.31		2761.22	
Month 11	3146.25		2762.22	
Month 12	3147.16	2837.02	2762.95	2695.28
Month 13	3148.05		2763.66	
Month 14	3148.92		2764.36	
Month 15	3149.76		2765.03	
Month 16	3150.58		2765.69	
Month 17	3151.38		2766.33	
Month 18	3152.16		2766.95	
Month 19	3152.93		2767.56	
Month 20	3153.67		2768.16	
Month 21	3154.40		2768.75	
Month 22	3155.12		2769.32	
Month 23	3155.82		2769.87	
Month 24	3156.50	2855.89	2770.42	2710.22

Table 5.1.3-VI

WDW-169 Projected Flowing and 24-Hour Shutin Pressures
Top of Upper Frio (5517 feet BGL)

Date	Infinite Acting Reservoir		Reservoir With a Single Fault	
	Flowing Pressure psia	24 Hour Shutin Pressure psia	Flowing Pressure psia	24 Hour Shutin Pressure psia
Month 1	3143.86		2744.89	
Month 2	3146.53		2745.77	
Month 3	3147.75		2746.21	
Month 4	3148.92		2746.90	
Month 5	3150.06		2747.81	
Month 6	3151.16		2748.69	
Month 7	3152.22		2749.54	
Month 8	3153.25		2750.36	
Month 9	3154.25		2751.16	
Month 10	3155.21		2751.93	
Month 11	3156.15		2752.84	
Month 12	3157.07	2837.02	2753.52	2668.63
Month 13	3157.96		2754.18	
Month 14	3158.82		2754.82	
Month 15	3159.66		2755.45	
Month 16	3160.49		2756.07	
Month 17	3161.29		2756.47	
Month 18	3162.07		2757.10	
Month 19	3162.83		2757.71	
Month 20	3163.58		2758.30	
Month 21	3164.31		2758.89	
Month 22	3165.02		2759.46	
Month 23	3165.72		2760.02	
Month 24	3166.40	2855.89	2760.56	2682.77

Table 5.1.3-VII

WDW-249 Projected Flowing and 24-Hour Shutin Pressures
Top of Upper Frio (5524 feet BGL)

Date	Infinite Acting Reservoir		Reservoir With a Single Fault	
	Flowing Pressure psia	24 Hour Shutin Pressure psia	Flowing Pressure psia	24 Hour Shutin Pressure psia
Month 1	3146.71		2746.91	
Month 2	3149.07		2747.74	
Month 3	3150.97		2748.28	
Month 4	3152.14		2748.82	
Month 5	3153.28		2749.72	
Month 6	3154.38		2750.60	
Month 7	3155.44		2751.45	
Month 8	3156.47		2752.28	
Month 9	3157.47		2753.07	
Month 10	3158.43		2753.85	
Month 11	3159.37		2754.80	
Month 12	3160.29	2840.24	2755.47	2669.33
Month 13	3161.18		2756.13	
Month 14	3162.04		2756.78	
Month 15	3162.88		2757.41	
Month 16	3163.71		2758.02	
Month 17	3164.51		2758.63	
Month 18	3165.29		2759.22	
Month 19	3166.05		2759.60	
Month 20	3166.80		2760.20	
Month 21	3167.53		2760.78	
Month 22	3168.24		2761.35	
Month 23	3168.94		2761.91	
Month 24	3169.62	2859.11	2762.46	2683.33

Table 5.1.3-VIII

WDW-407 Projected Flowing and 24-Hour Shutin Pressures
Top of Upper Frio (est 5517 feet BGL)

Date	Infinite Acting Reservoir		Reservoir With a Single Fault	
	Flowing Pressure psia	24 Hour Shutin Pressure psia	Flowing Pressure psia	24 Hour Shutin Pressure psia
Month 1	3133.66		2753.92	
Month 2	3136.02		2755.90	
Month 3	3137.84		2756.97	
Month 4	3139.02		2757.91	
Month 5	3140.16		2758.82	
Month 6	3141.25		2759.59	
Month 7	3142.32		2760.54	
Month 8	3143.35		2761.45	
Month 9	3144.34		2762.32	
Month 10	3145.31		2763.16	
Month 11	3146.25		2764.12	
Month 12	3147.16	2837.02	2764.86	2698.94
Month 13	3148.05		2765.57	
Month 14	3148.92		2766.26	
Month 15	3149.76		2766.93	
Month 16	3150.58		2767.59	
Month 17	3151.38		2768.23	
Month 18	3152.16		2768.86	
Month 19	3152.93		2769.47	
Month 20	3153.67		2770.06	
Month 21	3154.40		2770.65	
Month 22	3155.12		2771.22	
Month 23	3155.82		2771.78	
Month 24	3156.50	2855.89	2772.32	2713.89

TABLE 5.1.3-IX

Future Wellbore Pressure Rise at WDW-157

Year	Month	Fault Transmissiveness													
		0%		25%		50%		75%		90%		95%		100%	
		$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$
2014	January	56.62		50.67		50.54		61.90		76.60		83.08		87.67	
	February	56.22		50.34		50.30		61.79		76.58		83.10		87.68	
	March	53.66		47.94		48.10		59.86		74.87		81.47		86.20	
	April	51.24		45.65		46.00		58.09		73.39		80.10		85.03	
	May	53.56		47.99		48.45		60.81		76.38		83.21		88.17	
	June	65.17		58.72		58.37		70.04		85.29		92.02		96.65	
	July	75.80		68.43		67.26		78.32		93.35		100.04		104.48	
	August	94.50		85.41		82.73		92.67		107.30		113.91		117.92	
	September	98.85		88.86		85.50		95.20		109.98		116.71		120.82	
	October	240.86		226.77		219.56		225.90		239.01		245.25		244.25	
	November	253.06		237.30		228.61		233.90		246.65		252.82		251.53	
	December	261.91		244.87		235.08		239.64		252.20		258.37		256.89	
2015	January	268.87		250.79		240.13		244.14		256.59		262.77		261.17	
	February	274.11		255.25		243.93		247.54		259.93		266.12		264.44	
	March	279.12		259.50		247.56		250.80		263.15		269.36		267.61	
	April	283.37		263.10		250.62		253.56		265.90		272.14		270.32	
	May	287.28		266.41		253.45		256.12		268.45		274.71		272.85	
	June	290.70		269.30		255.92		258.36		270.69		276.98		275.07	
	July	293.92		272.02		258.24		260.48		272.81		279.13		277.19	
	August	296.87		274.52		260.37		262.42		274.77		281.12		279.14	
	September	299.51	194.10	276.76	171.63	262.28	157.40	264.17	159.46	276.53	171.88	282.91	178.26	280.91	180.06
	October	302.05		278.90		264.11		265.86		278.24		284.65		282.62	
	November	304.35		280.85		265.78		267.39		279.79		286.22		284.17	
	December	306.58		282.73		267.39		268.87		281.30		287.76		285.69	

TABLE 5.1.3-IX

Future Wellbore Pressure Rise at WDW-157

Year	Month	Fault Transmissiveness													
		0%		25%		50%		75%		90%		95%		100%	
		$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$
2016	January	307.72		283.59		268.04		269.46		281.94		288.44		286.39	
	February	309.58		285.16		269.39		270.70		283.21		289.73		287.67	
	March	311.47		286.76		270.76		271.97		284.50		291.06		288.98	
	April	313.21		288.23		272.02		273.14		285.70		292.28		290.19	
	May	314.93		289.68		273.26		274.29		286.88		293.49		291.39	
	June	316.51		291.02		274.41		275.36		287.98		294.61		292.50	
	July	318.08		292.35		275.55		276.43		289.07		295.73		293.61	
	August	319.59		293.62		276.64		277.45		290.12		296.81		294.68	
	September	320.99	216.10	294.80	190.12	277.66	173.15	278.40	174.03	291.10	186.78	297.81	193.50	295.67	195.16
	October	322.38		295.98		278.67		279.34		292.08		298.81		296.67	
	November	323.68		297.07		279.61		280.23		292.99		299.75		297.60	
	December	324.97		298.17		280.55		281.11		293.91		300.68		298.53	
2017	January	326.22		299.22		281.46		281.96		294.79		301.59		299.43	
	February	327.32		300.15		282.25		282.71		295.57		302.39		300.22	
	March	328.49		301.14		283.11		283.51		296.40		303.24		301.08	
	April	329.59		302.07		283.91		284.27		297.19		304.05		301.88	
	May	330.70		303.00		284.71		285.03		297.98		304.86		302.69	
	June	331.73		303.88		285.47		285.74		298.72		305.63		303.45	
	July	332.78		304.76		286.23		286.46		299.47		306.40		304.21	
	August	333.79		305.62		286.96		287.16		300.20		307.15		304.96	
	September	334.75	230.04	306.42	201.89	287.66	183.29	287.82	183.57	300.89	196.69	307.86	203.67	305.67	205.28
	October	335.71		307.23		288.36		288.48		301.58		308.57		306.38	
	November	336.61		308.00		289.02		289.11		302.24		309.25		307.06	
	December	337.53		308.77		289.69		289.75		302.90		309.93		307.74	

TABLE 5.1.3-IX

Future Wellbore Pressure Rise at WDW-157

Year	Month	Fault Transmissiveness													
		0%		25%		50%		75%		90%		95%		100%	
		$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$
2018	January	338.42		309.53		290.34		290.36		303.55		310.60		308.41	
	February	339.21		310.19		290.92		290.91		304.12		311.19		309.00	
	March	340.06		310.91		291.54		291.50		304.75		311.83		309.64	
	April	340.87		311.59		292.13		292.07		305.34		312.44		310.24	
	May	341.68		312.28		292.72		292.64		305.93		313.05		310.86	
	June	342.45		312.93		293.29		293.17		306.50		313.64		311.44	
	July	343.24		313.60		293.86		293.72		307.07		314.23		312.03	
	August	344.00		314.24		294.42		294.25		307.64		314.81		312.62	
	September	344.73	240.11	314.86	210.40	294.95	190.64	294.76	190.58	308.17	204.04	315.36	211.25	313.17	212.85
	October	345.46		315.48		295.49		295.28		308.72		315.93		313.73	
	November	346.16		316.07		296.00		295.77		309.23		316.46		314.26	
	December	346.87		316.66		296.52		296.26		309.76		317.00		314.80	
2019	January	347.56		317.25		297.02		296.75		310.27		317.53		315.34	
	February	348.18		317.77		297.48		297.18		310.73		318.00		315.81	
	March	348.85		318.34		297.97		297.66		311.23		318.52		316.33	
	April	349.49		318.88		298.43		298.10		311.70		319.01		316.82	
	May	350.13		319.42		298.91		298.56		312.18		319.51		317.32	
	June	350.75		319.94		299.36		299.00		312.64		319.99		317.79	
	July	351.38		320.47		299.82		299.44		313.11		320.47		318.28	
	August	351.99		320.99		300.27		299.87		313.57		320.95		318.76	
	September	352.58	248.01	321.49	217.08	300.70	196.43	300.29	196.14	314.01	209.92	321.40	217.32	319.21	218.93
	October	353.17		321.99		301.14		300.71		314.46		321.86		319.68	
	November	353.74		322.47		301.55		301.11		314.89		322.31		320.12	
	December	354.32		322.96		301.98		301.52		315.32		322.76		320.57	

TABLE 5.1.3-IX

Future Wellbore Pressure Rise at WDW-157

Year	Month	Fault Transmissiveness													
		0%		25%		50%		75%		90%		95%		100%	
		$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$
2020	January	354.89		323.44		302.39		301.92		315.75		323.20		321.01	
	February	355.41		323.88		302.78		302.29		316.15		323.61		321.43	
	March	355.96		324.35		303.18		302.69		316.56		324.04		321.86	
	April	356.49		324.80		303.57		303.06		316.96		324.45		322.27	
	May	357.03		325.25		303.97		303.44		317.37		324.87		322.70	
	June	357.54		325.68		304.34		303.81		317.76		325.28		323.10	
	July	358.06		326.12		304.73		304.18		318.15		325.69		323.51	
	August	358.58		326.56		305.10		304.55		318.54		326.09		323.92	
	September	359.07	254.54	326.97	222.59	305.47	201.22	304.90	200.77	318.92	214.85	326.48	222.43	324.31	224.06
	October	359.57		327.40		305.83		305.25		319.30		326.88		324.70	
	November	360.05		327.80		306.19		305.60		319.66		327.25		325.08	
	December	360.54		328.22		306.54		305.94		320.03		327.64		325.47	
2021	January	361.02		328.62		306.90		306.29		320.40		328.02		325.85	
	February	361.45		328.99		307.22		306.60		320.73		328.36		326.20	
	March	361.92		329.38		307.56		306.93		321.09		328.73		326.57	
	April	362.37		329.77		307.89		307.26		321.43		329.09		326.93	
	May	362.83		330.15		308.23		307.58		321.79		329.46		327.30	
	June	363.27		330.52		308.55		307.90		322.12		329.81		327.65	
	July	363.72		330.90		308.88		308.22		322.47		330.16		328.01	
	August	364.16		331.28		309.21		308.54		322.81		330.52		328.36	
	September	364.58	260.07	331.64	227.27	309.52	205.30	308.84	204.74	323.13	219.09	330.85	226.83	328.70	228.47
	October	365.02		332.00		309.84		309.15		323.47		331.20		329.05	
	November	365.43		332.35		310.15		309.45		323.78		331.53		329.38	
	December	365.85		332.71		310.46		309.76		324.11		331.87		329.72	

TABLE 5.1.3-IX

Future Wellbore Pressure Rise at WDW-157

Year	Month	Fault Transmissiveness													
		0%		25%		50%		75%		90%		95%		100%	
		$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$
2022	January	366.27		333.06		310.77		310.06		324.43		332.21		330.06	
	February	366.65		333.38		311.04		310.33		324.72		332.51		330.36	
	March	367.06		333.73		311.35		310.62		325.04		332.83		330.69	
	April	367.45		334.06		311.63		310.90		325.34		333.15		331.01	
	May	367.85		334.40		311.93		311.19		325.65		333.47		331.34	
	June	368.23		334.72		312.21		311.47		325.95		333.78		331.65	
	July	368.63		335.06		312.50		311.75		326.26		334.10		331.97	
	August	369.02		335.38		312.79		312.03		326.56		334.41		332.28	
	September	369.39	264.90	335.70	231.35	313.07	208.85	312.30	208.21	326.85	222.81	334.71	230.70	332.58	232.37
	October	369.77		336.02		313.35		312.58		327.14		335.02		332.89	
	November	370.14		336.33		313.62		312.84		327.43		335.32		333.19	
	December	370.51		336.65		313.89		313.11		327.72		335.62		333.50	
2023	January	370.88		336.96		314.17		313.38		328.00		335.92		333.80	
	February	371.21		337.24		314.41		313.62		328.26		336.19		334.07	
	March	371.57		337.55		314.68		313.88		328.55		336.48		334.36	
	April	371.92		337.84		314.94		314.14		328.82		336.76		334.65	
	May	372.28		338.14		315.20		314.40		329.10		337.05		334.94	
	June	372.62		338.43		315.45		314.64		329.36		337.33		335.22	
	July	372.97		338.73		315.71		314.90		329.64		337.61		335.51	
	August	373.32		339.02		315.97		315.15		329.91		337.90		335.79	
	September	373.65	269.17	339.30	234.97	316.21	212.01	315.39	211.31	330.17	226.15	338.17	234.17	336.06	235.86
	October	373.99		339.59		316.46		315.64		330.43		338.45		336.34	
	November	374.32		339.87		316.71		315.88		330.69		338.71		336.61	
	December	374.65		340.15		316.95		316.12		330.95		338.99		336.89	

TABLE 5.1.3-IX

Future Wellbore Pressure Rise at WDW-157

Year	Month	Fault Transmissiveness													
		0%		25%		50%		75%		90%		95%		100%	
		$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$
2024	January	374.99		340.43		317.20		316.36		331.21		339.26		337.16	
	February	375.29		340.69		317.43		316.58		331.46		339.51		337.42	
	March	375.62		340.97		317.67		316.82		331.71		339.77		337.68	
	April	375.93		341.23		317.90		317.05		331.96		340.03		337.94	
	May	376.25		341.51		318.14		317.28		332.21		340.29		338.21	
	June	376.56		341.77		318.36		317.51		332.45		340.55		338.46	
	July	376.88		342.03		318.60		317.74		332.70		340.80		338.72	
	August	377.19		342.30		318.83		317.97		332.95		341.06		338.98	
	September	377.49	273.02	342.55	238.22	319.05	214.86	318.18	214.11	333.18	229.17	341.31	237.32	339.23	239.04
	October	377.80		342.81		319.28		318.41		333.43		341.56		339.49	
	November	378.10		343.06		319.50		318.63		333.66		341.80		339.73	
	December	378.40		343.32		319.72		318.85		333.90		342.05		339.98	
2025	January	378.70		343.57		319.95		319.07		334.14		342.30		340.23	
	February	378.97		343.80		320.15		319.26		334.35		342.52		340.46	
	March	379.27		344.05		320.37		319.48		334.59		342.77		340.70	
	April	379.55		344.29		320.58		319.69		334.81		343.00		340.94	
	May	379.84		344.54		320.79		319.90		335.04		343.24		341.18	
	June	380.12		344.78		321.00		320.11		335.26		343.47		341.42	
	July	380.41		345.02		321.21		320.32		335.49		343.71		341.66	
	August	380.70		345.26		321.42		320.53		335.72		343.95		341.89	
	September	380.97	276.51	345.50	241.17	321.63	217.44	320.73	216.66	335.94	231.93	344.17	240.19	342.12	241.94
	October	381.25		345.73		321.84		320.93		336.16		344.41		342.36	
	November	381.52		345.96		322.04		321.13		336.37		344.63		342.58	
	December	381.80		346.20		322.24		321.33		336.59		344.86		342.82	

TABLE 5.1.3-IX

Future Wellbore Pressure Rise at WDW-157

Year	Month	Fault Transmissiveness													
		0%		25%		50%		75%		90%		95%		100%	
		$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$
2026	January	382.08		346.43		322.45		321.54		336.81		345.09		343.05	
	February	382.32		346.64		322.63		321.72		337.01		345.29		343.25	
	March	382.59		346.87		322.83		321.92		337.22		345.52		343.48	
	April	382.85		347.09		323.02		322.11		337.43		345.74		343.70	
	May	383.12		347.32		323.22		322.30		337.65		345.96		343.92	
	June	383.38		347.53		323.41		322.49		337.85		346.17		344.14	
	July	383.64		347.76		323.61		322.69		338.06		346.39		344.36	
	August	383.91		347.98		323.80		322.88		338.27		346.61		344.58	
	September	384.16	279.70	348.19	243.88	323.99	219.81	323.07	219.00	338.47	234.47	346.82	242.84	344.79	244.62
	October	384.42		348.41		324.18		323.26		338.68		347.03		345.01	
	November	384.67		348.62		324.37		323.44		338.88		347.24		345.22	
	December	384.92		348.84		324.56		323.63		339.08		347.46		345.44	
2027	January	385.18		349.05		324.75		323.81		339.28		347.67		345.65	
	February	385.40		349.25		324.91		323.98		339.47		347.86		345.84	
	March	385.66		349.46		325.10		324.17		339.67		348.07		346.05	
	April	385.90		349.66		325.28		324.34		339.86		348.27		346.26	
	May	386.14		349.87		325.46		324.52		340.06		348.47		346.46	
	June	386.38		350.07		325.64		324.70		340.25		348.67		346.67	
	July	386.63		350.28		325.82		324.88		340.44		348.88		346.87	
	August	386.87		350.49		326.00		325.06		340.64		349.08		347.08	
	September	387.10	282.65	350.68	246.37	326.18	221.99	325.23	221.17	340.82	236.83	349.28	245.30	347.28	247.10
	October	387.34		350.89		326.35		325.41		341.02		349.48		347.48	
	November	387.57		351.08		326.52		325.58		341.20		349.67		347.67	
	December	387.81		351.28		326.70		325.75		341.39		349.87		347.87	

TABLE 5.1.3-IX

Future Wellbore Pressure Rise at WDW-157

Year	Month	Fault Transmissiveness													
		0%		25%		50%		75%		90%		95%		100%	
		$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$
2028	January	388.05		351.48		326.88		325.93		341.58		350.07		348.07	
	February	388.27		351.67		327.04		326.09		341.76		350.25		348.26	
	March	388.50		351.87		327.21		326.26		341.94		350.44		348.46	
	April	388.72		352.05		327.38		326.43		342.12		350.63		348.65	
	May	388.95		352.25		327.55		326.60		342.31		350.83		348.84	
	June	389.17		352.44		327.71		326.76		342.49		351.01		349.03	
	July	389.40		352.63		327.88		326.93		342.67		351.20		349.22	
	August	389.63		352.82		328.05		327.09		342.85		351.39		349.42	
	September	389.85	285.40	353.01	248.69	328.21	224.03	327.26	223.20	343.03	239.04	351.58	247.61	349.60	249.43
	October	390.07		353.19		328.38		327.42		343.21		351.76		349.79	
	November	390.28		353.38		328.54		327.58		343.38		351.94		349.97	
	December	390.51		353.56		328.70		327.74		343.56		352.13		350.16	
2029	January	390.73		353.75		328.87		327.91		343.74		352.32		350.35	
	February	390.92		353.92		329.01		328.05		343.90		352.48		350.52	
	March	391.14		354.10		329.17		328.21		344.07		352.67		350.70	
	April	391.35		354.28		329.33		328.37		344.24		352.84		350.88	
	May	391.56		354.46		329.49		328.53		344.41		353.02		351.06	
	June	391.77		354.63		329.64		328.68		344.58		353.20		351.24	
	July	391.98		354.82		329.80		328.84		344.75		353.38		351.42	
	August	392.20		354.99		329.96		328.99		344.92		353.56		351.60	
	September	392.40	287.96	355.17	250.86	330.11	225.93	329.15	225.09	345.09	241.10	353.73	249.76	351.78	251.61
	October	392.61		355.34		330.27		329.30		345.26		353.90		351.96	
	November	392.81		355.51		330.42		329.45		345.42		354.08		352.13	
	December	393.02		355.69		330.57		329.60		345.59		354.25		352.31	

TABLE 5.1.3-IX

Future Wellbore Pressure Rise at WDW-157

Year	Month	Fault Transmissiveness													
		0%		25%		50%		75%		90%		95%		100%	
		$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$
2030	January	393.22		355.86		330.72		329.76		345.75		354.42		352.48	
	February	393.41		356.02		330.86		329.89		345.90		354.58		352.64	
	March	393.61		356.19		331.01		330.04		346.07		354.75		352.82	
	April	393.81		356.36		331.16		330.19		346.23		354.92		352.98	
	May	394.01		356.53		331.31		330.34		346.39		355.09		353.16	
	June	394.21		356.70		331.45		330.48		346.55		355.26		353.32	
	July	394.41		356.86		331.60		330.63		346.71		355.43		353.49	
	August	394.60		357.03		331.75		330.78		346.87		355.59		353.67	
	September	394.80	290.35	357.19	252.89	331.89	227.72	330.92	226.87	347.03	243.05	355.76	251.79	353.83	253.67
	October	394.99		357.36		332.04		331.07		347.19		355.92		354.00	
	November	395.18		357.52		332.18		331.21		347.34		356.08		354.16	
	December	395.38		357.69		332.32		331.35		347.50		356.25		354.33	

TABLE 5.1.3-X

Future Wellbore Pressure Rise at WDW-169

		Fault Transmissiveness													
Year	Month	0%		25%		50%		75%		90%		95%		100%	
		$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$
2014	January	87.41		81.57		81.41		92.49		106.84		113.18		116.45	
	February	65.51		59.72		59.63		70.82		85.26		91.63		95.71	
	March	64.34		58.69		58.79		70.24		84.88		91.33		95.51	
	April	64.08		58.56		58.85		70.60		85.52		92.07		96.36	
	May	64.90		59.41		59.82		71.85		87.03		93.70		98.08	
	June	86.38		80.21		79.99		91.51		106.48		113.09		116.76	
	July	98.67		91.63		90.63		101.59		116.35		122.91		126.33	
	August	152.80		144.23		141.90		151.89		166.33		172.84		174.46	
	September	159.28		149.79		146.73		156.42		170.97		177.58		179.19	
	October	200.51		187.65		181.47		188.50		201.78		208.03		208.44	
	November	212.76		198.20		190.53		196.47		209.37		215.55		215.66	
	December	221.68		205.82		197.03		202.21		214.90		221.06		220.99	
2015	January	266.22	162.40	249.28	145.47	239.58	135.76	244.16	140.35	256.71	152.90	262.86	159.05	261.21	161.18
	February	271.50		253.77		243.40		247.57		260.04		266.21		264.47	
	March	276.54		258.04		247.03		250.82		263.25		269.43		267.62	
	April	280.81		261.66		250.11		253.59		265.99		272.20		270.32	
	May	284.75		264.99		252.94		256.15		268.54		274.77		272.84	
	June	288.18		267.89		255.42		258.39		270.77		277.03		275.06	
	July	291.41		270.62		257.75		260.51		272.89		279.18		277.17	
	August	294.37		273.13		259.88		262.46		274.85		281.16		279.12	
	September	297.02		275.37		261.80		264.20		276.61		282.95		280.88	
	October	299.57		277.53		263.64		265.89		278.31		284.68		282.58	
	November	301.88		279.47		265.30		267.42		279.86		286.26		284.14	
	December	304.12		281.37		266.92		268.91		281.37		287.79		285.65	

TABLE 5.1.3-X

Future Wellbore Pressure Rise at WDW-169

Year	Month	Fault Transmissiveness													
		0%		25%		50%		75%		90%		95%		100%	
		$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$
2016	January	305.83	201.97	282.71	178.86	267.97	164.13	269.81	165.97	282.27	178.44	288.71	184.89	286.57	186.52
	February	307.69		284.29		269.32		271.05		283.54		290.01		287.85	
	March	309.58		285.89		270.69		272.32		284.83		291.33		289.15	
	April	311.33		287.36		271.95		273.49		286.03		292.55		290.36	
	May	313.04		288.81		273.19		274.64		287.21		293.76		291.56	
	June	314.63		290.15		274.34		275.71		288.31		294.88		292.67	
	July	316.20		291.48		275.48		276.77		289.40		296.00		293.78	
	August	317.71		292.75		276.57		277.79		290.45		297.07		294.84	
	September	319.11		293.93		277.59		278.74		291.43		298.07		295.84	
	October	320.50		295.11		278.60		279.69		292.40		299.07		296.83	
	November	321.80		296.21		279.54		280.57		293.32		300.01		297.76	
	December	323.10		297.30		280.49		281.45		294.23		300.94		298.69	
2017	January	324.35	220.47	298.36	194.49	281.40	177.54	282.31	178.46	295.11	191.27	301.85	198.01	299.59	199.53
	February	325.45		299.28		282.19		283.06		295.89		302.64		300.38	
	March	326.62		300.28		283.05		283.86		296.72		303.50		301.23	
	April	327.73		301.21		283.85		284.62		297.51		304.31		302.03	
	May	328.83		302.14		284.65		285.37		298.30		305.12		302.84	
	June	329.87		303.02		285.41		286.09		299.04		305.88		303.60	
	July	330.91		303.90		286.17		286.81		299.79		306.65		304.37	
	August	331.93		304.76		286.91		287.50		300.52		307.40		305.11	
	September	332.88		305.56		287.60		288.16		301.20		308.11		305.82	
	October	333.85		306.38		288.30		288.83		301.90		308.82		306.53	
	November	334.75		307.14		288.97		289.46		302.55		309.50		307.21	
	December	335.67		307.92		289.63		290.09		303.22		310.18		307.89	

TABLE 5.1.3-X

Future Wellbore Pressure Rise at WDW-169

Year	Month	Fault Transmissiveness													
		0%		25%		50%		75%		90%		95%		100%	
		$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$
2018	January	336.56	232.66	308.67	204.79	290.28	186.41	290.71	186.86	303.87	200.02	310.85	207.01	308.55	208.49
	February	337.35		309.34		290.86		291.26		304.44		311.44		309.14	
	March	338.20		310.06		291.48		291.85		305.06		312.08		309.78	
	April	339.01		310.74		292.07		292.41		305.65		312.69		310.39	
	May	339.83		311.43		292.67		292.98		306.25		313.30		311.00	
	June	340.60		312.08		293.23		293.52		306.81		313.89		311.59	
	July	341.38		312.74		293.80		294.06		307.39		314.48		312.18	
	August	342.15		313.39		294.36		294.60		307.95		315.06		312.76	
	September	342.88		314.00		294.90		295.11		308.49		315.61		313.31	
	October	343.61		314.63		295.43		295.62		309.03		316.17		313.87	
	November	344.31		315.22		295.94		296.11		309.54		316.70		314.41	
	December	345.02		315.81		296.46		296.61		310.07		317.25		314.95	
2019	January	345.71	241.80	316.40	212.51	296.97	193.09	297.10	193.24	310.58	206.73	317.78	213.93	315.48	215.41
	February	346.33		316.92		297.42		297.53		311.04		318.25		315.95	
	March	347.00		317.49		297.91		298.00		311.54		318.76		316.47	
	April	347.64		318.03		298.38		298.45		312.01		319.26		316.96	
	May	348.29		318.58		298.86		298.91		312.49		319.75		317.46	
	June	348.90		319.10		299.31		299.34		312.95		320.23		317.93	
	July	349.53		319.63		299.77		299.78		313.42		320.71		318.42	
	August	350.15		320.15		300.22		300.22		313.88		321.19		318.90	
	September	350.73		320.64		300.65		300.63		314.32		321.64		319.35	
	October	351.33		321.15		301.08		301.05		314.77		322.11		319.82	
	November	351.90		321.63		301.50		301.45		315.20		322.55		320.26	
	December	352.47		322.12		301.93		301.86		315.63		323.00		320.71	

TABLE 5.1.3-X

Future Wellbore Pressure Rise at WDW-169

Year	Month	Fault Transmissiveness													
		0%		25%		50%		75%		90%		95%		100%	
		$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$
2020	January	353.04	249.12	322.60	218.69	302.34	198.46	302.27	198.40	316.06	212.21	323.44	219.59	321.15	221.08
	February	353.57		323.04		302.73		302.64		316.45		323.85		321.56	
	March	354.12		323.51		303.13		303.03		316.87		324.28		322.00	
	April	354.65		323.95		303.52		303.41		317.27		324.70		322.41	
	May	355.19		324.41		303.92		303.79		317.68		325.12		322.83	
	June	355.70		324.84		304.29		304.15		318.06		325.52		323.24	
	July	356.22		325.28		304.68		304.52		318.46		325.93		323.65	
	August	356.74		325.72		305.05		304.89		318.85		326.33		324.05	
	September	357.23		326.13		305.42		305.24		319.22		326.72		324.44	
	October	357.73		326.56		305.78		305.60		319.60		327.12		324.84	
	November	358.21		326.96		306.14		305.94		319.97		327.49		325.22	
	December	358.70		327.37		306.50		306.29		320.34		327.88		325.61	
2021	January	359.18	255.25	327.78	223.87	306.85	202.96	306.63	202.76	320.71	216.85	328.26	224.41	325.99	225.92
	February	359.61		328.15		307.17		306.94		321.04		328.60		326.33	
	March	360.08		328.54		307.51		307.28		321.40		328.97		326.71	
	April	360.53		328.92		307.84		307.60		321.74		329.33		327.07	
	May	360.99		329.31		308.18		307.93		322.09		329.70		327.43	
	June	361.43		329.68		308.51		308.24		322.43		330.04		327.78	
	July	361.88		330.06		308.84		308.56		322.77		330.40		328.14	
	August	362.32		330.44		309.16		308.88		323.11		330.75		328.50	
	September	362.75		330.80		309.47		309.19		323.44		331.09		328.84	
	October	363.18		331.16		309.79		309.50		323.77		331.44		329.18	
	November	363.59		331.51		310.10		309.80		324.09		331.77		329.52	
	December	364.02		331.87		310.41		310.10		324.42		332.11		329.86	

TABLE 5.1.3-X

Future Wellbore Pressure Rise at WDW-169

Year	Month	Fault Transmissiveness													
		0%		25%		50%		75%		90%		95%		100%	
		$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$
2022	January	364.44	260.50	332.23	228.31	310.72	206.83	310.40	206.53	324.74	220.88	332.44	228.59	330.20	230.12
	February	364.81		332.54		311.00		310.67		325.03		332.74		330.50	
	March	365.22		332.89		311.30		310.97		325.34		333.07		330.83	
	April	365.61		333.22		311.59		311.25		325.65		333.39		331.14	
	May	366.01		333.56		311.88		311.54		325.96		333.71		331.47	
	June	366.40		333.89		312.17		311.81		326.26		334.02		331.78	
	July	366.79		334.22		312.46		312.10		326.56		334.34		332.10	
	August	367.18		334.55		312.74		312.38		326.86		334.65		332.41	
	September	367.55		334.86		313.02		312.65		327.15		334.95		332.72	
	October	367.94		335.18		313.30		312.92		327.45		335.26		333.03	
	November	368.30		335.49		313.57		313.19		327.73		335.55		333.32	
	December	368.68		335.81		313.85		313.46		328.02		335.85		333.63	
2023	January	369.05	265.10	336.12	232.20	314.12	210.22	313.73	209.85	328.31	224.45	336.15	232.30	333.93	233.85
	February	369.38		336.40		314.36		313.97		328.57		336.42		334.20	
	March	369.74		336.71		314.63		314.23		328.85		336.72		334.50	
	April	370.09		337.01		314.89		314.48		329.12		337.00		334.78	
	May	370.45		337.31		315.15		314.74		329.40		337.29		335.07	
	June	370.79		337.60		315.41		314.99		329.67		337.57		335.35	
	July	371.14		337.89		315.66		315.24		329.94		337.85		335.64	
	August	371.49		338.19		315.92		315.49		330.21		338.13		335.92	
	September	371.82		338.47		316.17		315.73		330.47		338.40		336.20	
	October	372.16		338.76		316.42		315.98		330.74		338.68		336.48	
	November	372.49		339.03		316.66		316.22		330.99		338.95		336.74	
	December	372.82		339.32		316.91		316.46		331.26		339.22		337.02	

TABLE 5.1.3-X

Future Wellbore Pressure Rise at WDW-169

Year	Month	Fault Transmissiveness													
		0%		25%		50%		75%		90%		95%		100%	
		$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$
2024	January	373.15	269.21	339.60	235.67	317.15	213.25	316.70	212.83	331.52	227.65	339.49	235.63	337.29	237.22
	February	373.46		339.86		317.38		316.93		331.76		339.74		337.55	
	March	373.79		340.13		317.62		317.17		332.02		340.01		337.82	
	April	374.10		340.40		317.85		317.39		332.26		340.27		338.07	
	May	374.42		340.67		318.09		317.63		332.51		340.53		338.34	
	June	374.73		340.93		318.32		317.85		332.76		340.78		338.59	
	July	375.05		341.20		318.55		318.08		333.00		341.04		338.85	
	August	375.36		341.46		318.78		318.31		333.25		341.30		339.11	
	September	375.66		341.72		319.01		318.53		333.49		341.54		339.36	
	October	375.97		341.98		319.24		318.75		333.73		341.80		339.62	
	November	376.26		342.23		319.45		318.97		333.96		342.04		339.86	
	December	376.57		342.49		319.68		319.19		334.20		342.29		340.11	
2025	January	376.87	272.92	342.74	238.81	319.90	216.00	319.41	215.53	334.44	230.58	342.54	238.68	340.36	240.28
	February	377.14		342.97		320.10		319.61		334.65		342.76		340.59	
	March	377.44		343.22		320.32		319.82		334.89		343.00		340.83	
	April	377.72		343.46		320.53		320.03		335.11		343.24		341.07	
	May	378.01		343.71		320.75		320.25		335.34		343.48		341.31	
	June	378.29		343.94		320.96		320.45		335.57		343.71		341.55	
	July	378.58		344.19		321.17		320.66		335.79		343.95		341.79	
	August	378.87		344.43		321.38		320.87		336.02		344.18		342.02	
	September	379.14		344.66		321.58		321.07		336.24		344.41		342.25	
	October	379.42		344.90		321.79		321.28		336.46		344.64		342.49	
	November	379.69		345.13		321.99		321.47		336.68		344.87		342.71	
	December	379.97		345.36		322.20		321.68		336.90		345.09		342.94	

TABLE 5.1.3-X

Future Wellbore Pressure Rise at WDW-169

Year	Month	Fault Transmissiveness													
		0%		25%		50%		75%		90%		95%		100%	
		$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$
2026	January	380.25	276.29	345.60	241.66	322.40	218.50	321.88	218.00	337.11	233.25	345.32	241.46	343.18	243.10
	February	380.49		345.81		322.59		322.06		337.31		345.53		343.38	
	March	380.76		346.04		322.79		322.26		337.53		345.75		343.61	
	April	381.03		346.26		322.98		322.45		337.73		345.97		343.83	
	May	381.29		346.48		323.18		322.65		337.95		346.19		344.05	
	June	381.55		346.70		323.37		322.84		338.15		346.41		344.27	
	July	381.82		346.92		323.57		323.03		338.36		346.62		344.49	
	August	382.08		347.15		323.76		323.22		338.57		346.84		344.71	
	September	382.33		347.36		323.95		323.41		338.77		347.05		344.92	
	October	382.59		347.58		324.14		323.60		338.98		347.27		345.14	
	November	382.84		347.79		324.32		323.78		339.18		347.48		345.35	
	December	383.09		348.01		324.51		323.97		339.38		347.69		345.56	
2027	January	383.35	279.39	348.22	244.29	324.70	220.79	324.16	220.27	339.59	235.72	347.90	244.04	345.78	245.70
	February	383.58		348.41		324.87		324.32		339.77		348.09		345.97	
	March	383.83		348.63		325.06		324.51		339.97		348.30		346.18	
	April	384.07		348.83		325.24		324.69		340.16		348.50		346.38	
	May	384.32		349.04		325.42		324.87		340.36		348.71		346.59	
	June	384.55		349.24		325.60		325.04		340.55		348.91		346.79	
	July	384.80		349.45		325.78		325.22		340.74		349.11		347.00	
	August	385.04		349.65		325.96		325.40		340.94		349.31		347.21	
	September	385.28		349.85		326.13		325.57		341.13		349.51		347.40	
	October	385.52		350.05		326.31		325.75		341.32		349.71		347.61	
	November	385.75		350.25		326.48		325.92		341.50		349.90		347.80	
	December	385.98		350.45		326.66		326.10		341.69		350.10		348.00	

TABLE 5.1.3-X

Future Wellbore Pressure Rise at WDW-169

Year	Month	Fault Transmissiveness													
		0%		25%		50%		75%		90%		95%		100%	
		$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$
2028	January	386.22	282.26	350.65	246.71	326.83	222.92	326.27	222.38	341.88	238.01	350.30	246.43	348.20	248.12
	February	386.44		350.84		326.99		326.43		342.06		350.48		348.39	
	March	386.67		351.03		327.17		326.60		342.25		350.68		348.58	
	April	386.90		351.22		327.33		326.77		342.43		350.86		348.77	
	May	387.13		351.42		327.51		326.94		342.61		351.06		348.97	
	June	387.35		351.60		327.67		327.10		342.79		351.24		349.16	
	July	387.58		351.80		327.84		327.27		342.97		351.43		349.35	
	August	387.80		351.99		328.01		327.44		343.15		351.62		349.54	
	September	388.02		352.17		328.17		327.60		343.33		351.81		349.73	
	October	388.24		352.36		328.33		327.76		343.51		352.00		349.92	
	November	388.46		352.54		328.49		327.92		343.68		352.18		350.10	
	December	388.68		352.73		328.66		328.09		343.86		352.36		350.29	
2029	January	388.90	284.93	352.92	248.98	328.82	224.91	328.25	224.36	344.04	240.17	352.55	248.68	350.48	250.39
	February	389.10		353.08		328.97		328.40		344.20		352.71		350.64	
	March	389.31		353.27		329.13		328.56		344.37		352.90		350.83	
	April	389.52		353.45		329.29		328.71		344.54		353.07		351.01	
	May	389.74		353.63		329.45		328.87		344.71		353.25		351.19	
	June	389.95		353.80		329.60		329.02		344.88		353.43		351.37	
	July	390.16		353.98		329.76		329.18		345.05		353.61		351.55	
	August	390.37		354.16		329.92		329.34		345.22		353.79		351.73	
	September	390.57		354.34		330.07		329.49		345.39		353.96		351.90	
	October	390.78		354.51		330.22		329.64		345.56		354.14		352.08	
	November	390.98		354.68		330.37		329.79		345.72		354.31		352.26	
	December	391.19		354.86		330.53		329.95		345.89		354.48		352.43	

TABLE 5.1.3-X

Future Wellbore Pressure Rise at WDW-169

Year	Month	Fault Transmissiveness													
		0%		25%		50%		75%		90%		95%		100%	
		$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$
2030	January	391.40	287.43	355.03	251.09	330.68	226.76	330.10	226.21	346.06	242.18	354.66	250.79	352.61	252.52
	February	391.58		355.19		330.82		330.24		346.21		354.81		352.77	
	March	391.79		355.36		330.97		330.39		346.37		354.99		352.94	
	April	391.98		355.53		331.11		330.53		346.53		355.15		353.11	
	May	392.19		355.70		331.27		330.68		346.69		355.32		353.28	
	June	392.38		355.86		331.41		330.83		346.85		355.49		353.45	
	July	392.58		356.03		331.56		330.98		347.01		355.66		353.62	
	August	392.78		356.20		331.71		331.12		347.17		355.83		353.79	
	September	392.97		356.36		331.85		331.27		347.33		355.99		353.96	
	October	393.17		356.53		332.00		331.41		347.49		356.15		354.12	
	November	393.36		356.69		332.14		331.55		347.64		356.32		354.29	
	December	393.55		356.86		332.28		331.70		347.80		356.48		354.46	

TABLE 5.1.3-XI

Future Wellbore Pressure Rise at WDW-249

Year	Month	Fault Transmissiveness													
		0%		25%		50%		75%		90%		95%		100%	
		$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$
2014	January	86.36		80.53		80.37		91.43		105.74		112.06		115.37	
	February	64.78		58.99		58.91		70.07		84.48		90.83		94.93	
	March	64.50		58.87		58.96		70.38		84.99		91.42		95.59	
	April	65.79		60.28		60.57		72.30		87.18		93.72		97.93	
	May	67.66		62.19		62.59		74.59		89.75		96.40		100.66	
	June	116.59		110.45		110.25		121.77		136.72		143.32		145.81	
	July	128.17		121.16		120.19		131.14		145.88		152.44		154.70	
	August	154.76		146.24		143.95		153.96		168.39		174.90		176.43	
	September	161.28		151.84		148.82		158.52		173.06		179.66		181.18	
	October	200.86		188.12		182.06		189.18		202.50		208.75		209.14	
	November	213.10		198.68		191.12		197.15		210.08		216.27		216.35	
	December	222.03		206.30		197.63		202.89		215.61		221.78		221.68	
2015	January	268.31	160.56	251.56	143.81	242.03	134.27	246.75	139.00	259.36	151.61	265.53	157.78	263.79	159.97
	February	273.60		256.06		245.85		250.16		262.69		268.88		267.05	
	March	278.65		260.33		249.49		253.41		265.90		272.11		270.20	
	April	282.93		263.96		252.57		256.19		268.65		274.87		272.90	
	May	286.87		267.29		255.41		258.75		271.19		277.44		275.42	
	June	290.30		270.19		257.88		260.99		273.43		279.70		277.64	
	July	293.54		272.93		260.21		263.10		275.55		281.85		279.75	
	August	296.50		275.44		262.35		265.05		277.50		283.83		281.70	
	September	299.16		277.68		264.26		266.80		279.26		285.62		283.46	
	October	301.71		279.84		266.10		268.49		280.97		287.35		285.16	
	November	304.02		281.79		267.77		270.02		282.52		288.93		286.71	
	December	306.26		283.68		269.39		271.51		284.03		290.46		288.23	

TABLE 5.1.3-XI

Future Wellbore Pressure Rise at WDW-249

Year	Month	Fault Transmissiveness													
		0%		25%		50%		75%		90%		95%		100%	
		$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$
2016	January	308.01	200.21	285.06	177.27	270.48	162.70	272.45	164.67	284.97	177.20	291.43	183.66	289.19	185.35
	February	309.87		286.64		271.83		273.69		286.24		292.72		290.47	
	March	311.77		288.24		273.20		274.96		287.53		294.04		291.77	
	April	313.51		289.71		274.46		276.13		288.73		295.26		292.98	
	May	315.23		291.16		275.71		277.28		289.91		296.47		294.18	
	June	316.81		292.50		276.86		278.35		291.01		297.59		295.29	
	July	318.39		293.83		278.00		279.41		292.10		298.71		296.40	
	August	319.89		295.10		279.09		280.43		293.15		299.78		297.46	
	September	321.30		296.29		280.10		281.38		294.12		300.78		298.45	
	October	322.69		297.47		281.12		282.33		295.10		301.78		299.45	
	November	323.99		298.56		282.06		283.21		296.01		302.72		300.38	
	December	325.29		299.66		283.00		284.10		296.93		303.65		301.31	
2017	January	326.54	218.72	300.72	192.91	283.91	176.11	284.95	177.16	297.81	190.03	304.56	196.78	302.21	198.36
	February	327.63		301.64		284.71		285.70		298.59		305.36		303.00	
	March	328.81		302.63		285.56		286.50		299.42		306.21		303.85	
	April	329.91		303.57		286.36		287.26		300.20		307.02		304.65	
	May	331.02		304.50		287.17		288.02		300.99		307.83		305.46	
	June	332.06		305.38		287.92		288.73		301.74		308.59		306.22	
	July	333.10		306.26		288.68		289.45		302.48		309.36		306.99	
	August	334.12		307.12		289.42		290.15		303.21		310.11		307.73	
	September	335.07		307.92		290.12		290.81		303.90		310.82		308.44	
	October	336.04		308.74		290.82		291.47		304.60		311.53		309.15	
	November	336.94		309.50		291.48		292.10		305.25		312.21		309.83	
	December	337.86		310.28		292.15		292.73		305.91		312.89		310.51	

TABLE 5.1.3-XI

Future Wellbore Pressure Rise at WDW-249

Year	Month	Fault Transmissiveness													
		0%		25%		50%		75%		90%		95%		100%	
		$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$
2018	January	338.75	230.91	311.03	203.21	292.80	184.99	293.35	185.56	306.56	198.78	313.56	205.78	311.17	207.32
	February	339.54		311.70		293.38		293.90		307.14		314.15		311.76	
	March	340.40		312.42		294.00		294.49		307.76		314.79		312.40	
	April	341.20		313.10		294.59		295.05		308.35		315.40		313.01	
	May	342.02		313.79		295.19		295.62		308.94		316.01		313.62	
	June	342.79		314.44		295.75		296.16		309.51		316.60		314.21	
	July	343.58		315.11		296.32		296.71		310.08		317.19		314.80	
	August	344.34		315.75		296.88		297.24		310.65		317.77		315.38	
	September	345.07		316.37		297.41		297.75		311.18		318.32		315.93	
	October	345.80		316.99		297.95		298.26		311.72		318.88		316.49	
	November	346.50		317.58		298.46		298.75		312.24		319.42		317.02	
	December	347.21		318.18		298.98		299.25		312.76		319.96		317.57	
2019	January	347.91	240.06	318.76	210.93	299.49	191.67	299.74	191.94	313.28	205.49	320.49	212.70	318.10	214.24
	February	348.52		319.29		299.94		300.17		313.74		320.96		318.57	
	March	349.19		319.85		300.43		300.64		314.23		321.48		319.09	
	April	349.83		320.39		300.90		301.09		314.71		321.97		319.58	
	May	350.48		320.94		301.37		301.55		315.19		322.47		320.08	
	June	351.10		321.46		301.82		301.98		315.65		322.94		320.55	
	July	351.72		321.99		302.28		302.42		316.12		323.42		321.04	
	August	352.34		322.51		302.74		302.86		316.58		323.90		321.51	
	September	352.93		323.01		303.17		303.27		317.02		324.36		321.97	
	October	353.52		323.51		303.60		303.69		317.47		324.82		322.43	
	November	354.09		323.99		304.02		304.10		317.89		325.26		322.88	
	December	354.67		324.48		304.44		304.51		318.33		325.71		323.33	

TABLE 5.1.3-XI

Future Wellbore Pressure Rise at WDW-249

Year	Month	Fault Transmissiveness													
		0%		25%		50%		75%		90%		95%		100%	
		$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$
2020	January	355.24	247.38	324.96	217.12	304.86	197.04	304.91	197.11	318.76	210.96	326.15	218.36	323.77	219.91
	February	355.76		325.40		305.25		305.28		319.15		326.56		324.18	
	March	356.32		325.87		305.65		305.67		319.57		326.99		324.62	
	April	356.84		326.32		306.04		306.05		319.97		327.41		325.03	
	May	357.38		326.77		306.43		306.43		320.37		327.83		325.45	
	June	357.89		327.20		306.81		306.79		320.76		328.23		325.85	
	July	358.42		327.65		307.19		307.17		321.16		328.64		326.27	
	August	358.93		328.08		307.57		307.53		321.55		329.04		326.67	
	September	359.42		328.50		307.93		307.88		321.92		329.43		327.06	
	October	359.92		328.92		308.30		308.24		322.30		329.83		327.46	
	November	360.40		329.33		308.66		308.58		322.67		330.20		327.84	
	December	360.89		329.74		309.01		308.93		323.04		330.59		328.23	
2021	January	361.37	253.51	330.15	222.30	309.37	201.54	309.28	201.47	323.41	215.61	330.97	223.18	328.61	224.75
	February	361.81		330.51		309.69		309.58		323.73		331.31		328.95	
	March	362.28		330.91		310.03		309.92		324.09		331.69		329.33	
	April	362.73		331.29		310.36		310.24		324.44		332.04		329.68	
	May	363.19		331.68		310.70		310.57		324.79		332.41		330.05	
	June	363.62		332.05		311.02		310.89		325.13		332.76		330.40	
	July	364.07		332.43		311.35		311.21		325.47		333.11		330.76	
	August	364.52		332.80		311.68		311.53		325.81		333.47		331.12	
	September	364.94		333.16		311.99		311.83		326.14		333.80		331.46	
	October	365.37		333.53		312.31		312.14		326.47		334.15		331.80	
	November	365.79		333.88		312.62		312.44		326.79		334.48		332.14	
	December	366.21		334.24		312.93		312.74		327.11		334.82		332.48	

TABLE 5.1.3-XI

Future Wellbore Pressure Rise at WDW-249

		Fault Transmissiveness													
Year	Month	0%		25%		50%		75%		90%		95%		100%	
		$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$
2022	January	366.63	258.76	334.59	226.74	313.24	205.41	313.04	205.23	327.44	219.64	335.15	227.36	332.81	228.95
	February	367.01		334.91		313.51		313.31		327.73		335.45		333.11	
	March	367.42		335.25		313.82		313.61		328.04		335.78		333.45	
	April	367.81		335.59		314.11		313.89		328.34		336.10		333.76	
	May	368.21		335.92		314.40		314.18		328.66		336.42		334.09	
	June	368.59		336.25		314.69		314.46		328.95		336.73		334.40	
	July	368.99		336.58		314.98		314.74		329.26		337.05		334.72	
	August	369.38		336.91		315.26		315.02		329.56		337.36		335.03	
	September	369.75		337.23		315.54		315.29		329.85		337.66		335.33	
	October	370.13		337.55		315.82		315.57		330.14		337.97		335.64	
	November	370.50		337.86		316.09		315.83		330.43		338.26		335.94	
	December	370.87		338.18		316.37		316.10		330.72		338.57		336.25	
2023	January	371.24	263.36	338.49	230.63	316.64	208.80	316.37	208.55	331.01	223.20	338.86	231.07	336.55	232.68
	February	371.57		338.77		316.88		316.61		331.26		339.13		336.82	
	March	371.94		339.08		317.15		316.87		331.55		339.43		337.11	
	April	372.28		339.37		317.41		317.12		331.82		339.71		337.40	
	May	372.64		339.67		317.67		317.38		332.10		340.00		337.69	
	June	372.98		339.96		317.92		317.63		332.36		340.28		337.97	
	July	373.33		340.26		318.18		317.88		332.64		340.56		338.26	
	August	373.68		340.55		318.44		318.14		332.91		340.84		338.54	
	September	374.01		340.83		318.69		318.38		333.17		341.11		338.81	
	October	374.36		341.12		318.94		318.62		333.44		341.39		339.09	
	November	374.68		341.40		319.18		318.86		333.69		341.66		339.36	
	December	375.02		341.68		319.43		319.11		333.95		341.93		339.64	

TABLE 5.1.3-XI

Future Wellbore Pressure Rise at WDW-249

Year	Month	Fault Transmissiveness													
		0%		25%		50%		75%		90%		95%		100%	
		$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$
2024	January	375.35	267.47	341.96	234.10	319.67	211.83	319.35	211.53	334.21	226.41	342.20	234.40	339.91	236.04
	February	375.66		342.22		319.90		319.57		334.46		342.45		340.16	
	March	375.98		342.50		320.14		319.81		334.71		342.72		340.43	
	April	376.30		342.76		320.37		320.04		334.96		342.98		340.69	
	May	376.62		343.04		320.61		320.27		335.21		343.24		340.96	
	June	376.93		343.30		320.84		320.49		335.45		343.49		341.21	
	July	377.24		343.56		321.07		320.72		335.70		343.75		341.47	
	August	377.56		343.83		321.30		320.95		335.95		344.01		341.73	
	September	377.86		344.08		321.53		321.17		336.18		344.25		341.98	
	October	378.17		344.34		321.75		321.40		336.43		344.51		342.23	
	November	378.46		344.59		321.97		321.61		336.66		344.75		342.48	
	December	378.76		344.85		322.20		321.83		336.90		345.00		342.73	
2025	January	379.07	271.18	345.11	237.24	322.42	214.58	322.05	214.23	337.14	229.33	345.25	237.45	342.98	239.11
	February	379.34		345.33		322.62		322.25		337.35		345.47		343.20	
	March	379.63		345.58		322.84		322.47		337.59		345.71		343.45	
	April	379.92		345.83		323.05		322.67		337.81		345.95		343.69	
	May	380.21		346.07		323.27		322.89		338.04		346.19		343.93	
	June	380.49		346.31		323.47		323.09		338.26		346.42		344.16	
	July	380.78		346.55		323.69		323.30		338.49		346.66		344.40	
	August	381.06		346.80		323.90		323.51		338.72		346.89		344.64	
	September	381.34		347.03		324.10		323.71		338.93		347.12		344.87	
	October	381.62		347.27		324.31		323.92		339.16		347.35		345.11	
	November	381.89		347.49		324.51		324.12		339.37		347.58		345.33	
	December	382.17		347.73		324.72		324.32		339.59		347.81		345.56	

TABLE 5.1.3-XI

Future Wellbore Pressure Rise at WDW-249

Year	Month	Fault Transmissiveness													
		0%		25%		50%		75%		90%		95%		100%	
		$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$
2026	January	382.44	274.55	347.96	240.09	324.92	217.08	324.52	216.70	339.81	232.00	348.03	240.23	345.79	241.92
	February	382.69		348.17		325.10		324.70		340.01		348.24		346.00	
	March	382.96		348.40		325.31		324.90		340.22		348.46		346.23	
	April	383.22		348.62		325.50		325.09		340.43		348.68		346.45	
	May	383.49		348.85		325.70		325.29		340.64		348.90		346.67	
	June	383.75		349.07		325.89		325.48		340.85		349.12		346.89	
	July	384.01		349.29		326.08		325.67		341.06		349.34		347.11	
	August	384.27		349.51		326.28		325.87		341.27		349.55		347.33	
	September	384.53		349.73		326.47		326.05		341.47		349.76		347.54	
	October	384.79		349.95		326.66		326.24		341.68		349.98		347.76	
	November	385.04		350.16		326.84		326.43		341.88		350.19		347.97	
	December	385.29		350.37		327.03		326.61		342.08		350.40		348.18	
2027	January	385.55	277.65	350.59	242.71	327.22	219.37	326.80	218.98	342.28	234.47	350.61	242.81	348.40	244.53
	February	385.77		350.78		327.39		326.97		342.46		350.80		348.59	
	March	386.02		350.99		327.58		327.15		342.66		351.01		348.80	
	April	386.27		351.20		327.76		327.33		342.86		351.21		349.00	
	May	386.51		351.41		327.94		327.51		343.06		351.42		349.21	
	June	386.75		351.61		328.12		327.69		343.25		351.62		349.41	
	July	387.00		351.81		328.30		327.87		343.44		351.82		349.62	
	August	387.24		352.02		328.48		328.05		343.64		352.02		349.82	
	September	387.47		352.22		328.65		328.22		343.82		352.22		350.02	
	October	387.71		352.42		328.83		328.39		344.02		352.42		350.22	
	November	387.94		352.62		329.00		328.57		344.20		352.61		350.42	
	December	388.18		352.82		329.18		328.74		344.39		352.81		350.62	

TABLE 5.1.3-XI

Future Wellbore Pressure Rise at WDW-249

Year	Month	Fault Transmissiveness													
		0%		25%		50%		75%		90%		95%		100%	
		$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$
2028	January	388.42	280.52	353.02	245.14	329.35	221.50	328.91	221.09	344.58	236.77	353.01	245.20	350.82	246.95
	February	388.64		353.20		329.51		329.08		344.76		353.19		351.00	
	March	388.87		353.40		329.69		329.25		344.94		353.39		351.20	
	April	389.09		353.59		329.85		329.41		345.12		353.58		351.39	
	May	389.32		353.78		330.02		329.58		345.31		353.77		351.59	
	June	389.54		353.97		330.19		329.75		345.49		353.95		351.78	
	July	389.77		354.16		330.36		329.91		345.67		354.15		351.97	
	August	390.00		354.35		330.53		330.08		345.85		354.34		352.16	
	September	390.22		354.54		330.69		330.24		346.03		354.52		352.35	
	October	390.44		354.73		330.85		330.41		346.21		354.71		352.54	
	November	390.65		354.91		331.01		330.57		346.38		354.89		352.72	
	December	390.88		355.10		331.18		330.73		346.56		355.07		352.91	
2029	January	391.10	283.19	355.28	247.41	331.34	223.49	330.89	223.06	346.73	238.92	355.26	247.45	353.09	249.22
	February	391.29		355.45		331.49		331.04		346.89		355.42		353.26	
	March	391.51		355.63		331.65		331.20		347.07		355.61		353.45	
	April	391.72		355.81		331.81		331.35		347.24		355.78		353.63	
	May	391.94		355.99		331.97		331.51		347.41		355.97		353.81	
	June	392.14		356.17		332.12		331.67		347.58		356.14		353.99	
	July	392.36		356.35		332.28		331.82		347.75		356.32		354.17	
	August	392.57		356.53		332.43		331.98		347.92		356.50		354.35	
	September	392.77		356.70		332.59		332.13		348.09		356.67		354.52	
	October	392.98		356.88		332.74		332.29		348.26		356.85		354.70	
	November	393.18		357.05		332.89		332.44		348.42		357.02		354.87	
	December	393.39		357.22		333.05		332.59		348.59		357.19		355.05	

TABLE 5.1.3-XI

Future Wellbore Pressure Rise at WDW-249

Year	Month	Fault Transmissiveness													
		0%		25%		50%		75%		90%		95%		100%	
		$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$
2030	January	393.59	285.69	357.40	249.52	333.20	225.34	332.74	224.91	348.75	240.94	357.37	249.56	355.23	251.35
	February	393.78		357.56		333.34		332.88		348.90		357.52		355.38	
	March	393.98		357.73		333.49		333.03		349.07		357.70		355.56	
	April	394.18		357.89		333.63		333.18		349.23		357.86		355.73	
	May	394.38		358.07		333.78		333.33		349.39		358.03		355.90	
	June	394.58		358.23		333.93		333.47		349.55		358.20		356.07	
	July	394.78		358.40		334.08		333.62		349.71		358.37		356.24	
	August	394.98		358.57		334.23		333.77		349.87		358.54		356.41	
	September	395.17		358.73		334.37		333.91		350.03		358.70		356.57	
	October	395.36		358.90		334.52		334.06		350.19		358.87		356.74	
	November	395.55		359.06		334.66		334.20		350.34		359.03		356.91	
	December	395.75		359.22		334.80		334.34		350.50		359.19		357.07	

TABLE 5.1.3-XII

Future Wellbore Pressure Rise at WDW-407

Year	Month	Fault Transmissiveness													
		0%		25%		50%		75%		90%		95%		100%	
		$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$
2016	January	307.55		283.17		267.37		268.54		280.88		287.34		285.29	
	February	309.41		284.74		268.72		269.79		282.15		288.63		286.56	
	March	311.29		286.33		270.08		271.05		283.44		289.95		287.87	
	April	313.03		287.80		271.34		272.22		284.64		291.17		289.08	
	May	314.74		289.25		272.58		273.37		285.82		292.38		290.28	
	June	316.33		290.59		273.73		274.44		286.92		293.51		291.40	
	July	317.90		291.91		274.87		275.51		288.01		294.62		292.50	
	August	319.40		293.18		275.96		276.52		289.06		295.70		293.57	
	September	320.80		294.36		276.97		277.47		290.04		296.70		294.56	
	October	322.19		295.54		277.98		278.42		291.02		297.70		295.56	
	November	323.48		296.63		278.92		279.30		291.93		298.64		296.49	
	December	324.78	220.41	297.73	193.49	279.86	175.77	280.18	176.23	292.85	188.98	299.57	195.74	297.42	197.39
2017	January	326.03		298.78		280.77		281.04		293.73		300.48		298.32	
	February	327.12		299.70		281.57		281.79		294.51		301.28		299.11	
	March	328.29		300.69		282.42		282.59		295.34		302.14		299.97	
	April	329.39		301.62		283.22		283.35		296.13		302.94		300.77	
	May	330.50		302.56		284.02		284.10		296.91		303.75		301.58	
	June	331.53		303.43		284.78		284.82		297.66		304.52		302.34	
	July	332.58		304.31		285.54		285.54		298.41		305.29		303.11	
	August	333.59		305.17		286.28		286.24		299.14		306.04		303.85	
	September	334.54		305.98		286.97		286.89		299.82		306.75		304.56	
	October	335.50		306.79		287.67		287.56		300.52		307.46		305.27	
	November	336.41		307.55		288.33		288.19		301.18		308.14		305.95	
	December	337.32	232.91	308.32	204.06	289.00	184.88	288.82	184.85	301.84	197.95	308.82	204.97	306.63	206.58

TABLE 5.1.3-XII

Future Wellbore Pressure Rise at WDW-407

Year	Month	Fault Transmissiveness													
		0%		25%		50%		75%		90%		95%		100%	
		$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$
2018	January	338.22		309.08		289.65		289.44		302.49		309.49		307.30	
	February	339.00		309.74		290.23		289.99		303.06		310.08		307.89	
	March	339.86		310.46		290.85		290.58		303.68		310.72		308.53	
	April	340.66		311.14		291.44		291.14		304.27		311.33		309.13	
	May	341.48		311.83		292.03		291.71		304.87		311.95		309.75	
	June	342.25		312.49		292.60		292.25		305.44		312.53		310.33	
	July	343.03		313.15		293.17		292.79		306.01		313.12		310.92	
	August	343.80		313.79		293.73		293.33		306.57		313.70		311.51	
	September	344.52		314.41		294.26		293.84		307.11		314.26		312.06	
	October	345.26		315.03		294.80		294.35		307.65		314.82		312.62	
	November	345.96		315.62		295.31		294.84		308.17		315.35		313.15	
	December	346.66	242.22	316.21	211.93	295.83	191.69	295.34	191.35	308.69	204.80	315.89	212.03	313.69	213.64
2019	January	347.36		316.80		296.33		295.83		309.21		316.42		314.23	
	February	347.97		317.32		296.78		296.26		309.66		316.90		314.70	
	March	348.64		317.89		297.28		296.73		310.16		317.41		315.22	
	April	349.28		318.43		297.74		297.18		310.64		317.90		315.71	
	May	349.93		318.97		298.22		297.63		311.12		318.40		316.21	
	June	350.54		319.49		298.67		298.07		311.58		318.88		316.68	
	July	351.17		320.02		299.13		298.51		312.05		319.36		317.17	
	August	351.78		320.54		299.58		298.95		312.51		319.84		317.65	
	September	352.37		321.04		300.01		299.36		312.95		320.29		318.10	
	October	352.97		321.54		300.44		299.78		313.40		320.75		318.57	
	November	353.53		322.02		300.86		300.18		313.82		321.20		319.01	
	December	354.11	249.66	322.51	218.21	301.28	197.14	300.59	196.60	314.26	210.36	321.65	217.78	319.46	219.40

TABLE 5.1.3-XII

Future Wellbore Pressure Rise at WDW-407

Year	Month	Fault Transmissiveness													
		0%		25%		50%		75%		90%		95%		100%	
		$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$
2020	January	354.68		322.99		301.70		301.00		314.69		322.09		319.90	
	February	355.20		323.43		302.09		301.37		315.08		322.50		320.32	
	March	355.76		323.90		302.49		301.76		315.50		322.93		320.75	
	April	356.28		324.34		302.88		302.13		315.90		323.34		321.16	
	May	356.82		324.80		303.27		302.52		316.30		323.77		321.59	
	June	357.33		325.23		303.65		302.88		316.69		324.17		321.99	
	July	357.85		325.67		304.03		303.25		317.09		324.58		322.40	
	August	358.37		326.11		304.41		303.62		317.48		324.98		322.81	
	September	358.86		326.52		304.77		303.97		317.85		325.37		323.20	
	October	359.36		326.95		305.14		304.33		318.23		325.77		323.59	
	November	359.84		327.35		305.49		304.67		318.60		326.14		323.97	
	December	360.33	255.86	327.76	223.45	305.85	201.70	305.02	201.02	318.97	215.06	326.53	222.66	324.36	224.30
2021	January	360.81		328.17		306.21		305.36		319.34		326.91		324.74	
	February	361.24		328.54		306.52		305.67		319.67		327.25		325.09	
	March	361.71		328.93		306.87		306.01		320.03		327.62		325.46	
	April	362.16		329.31		307.20		306.33		320.37		327.98		325.82	
	May	362.62		329.70		307.54		306.66		320.72		328.35		326.19	
	June	363.06		330.07		307.86		306.97		321.06		328.70		326.54	
	July	363.51		330.45		308.19		307.29		321.40		329.05		326.90	
	August	363.95		330.83		308.52		307.61		321.74		329.41		327.25	
	September	364.37		331.18		308.83		307.92		322.07		329.74		327.59	
	October	364.81		331.55		309.15		308.23		322.40		330.09		327.94	
	November	365.22		331.90		309.45		308.52		322.72		330.42		328.27	
	December	365.64	261.17	332.26	227.94	309.77	205.61	308.83	204.83	323.05	219.14	330.76	226.88	328.61	228.54

TABLE 5.1.3-XII

Future Wellbore Pressure Rise at WDW-407

Year	Month	Fault Transmissiveness													
		0%		25%		50%		75%		90%		95%		100%	
		$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$
2022	January	366.06		332.61		310.07		309.13		323.37		331.10		328.95	
	February	366.44		332.93		310.35		309.40		323.66		331.40		329.25	
	March	366.85		333.27		310.65		309.69		323.97		331.72		329.58	
	April	367.24		333.61		310.94		309.98		324.28		332.04		329.90	
	May	367.64		333.95		311.24		310.27		324.59		332.36		330.23	
	June	368.02		334.27		311.52		310.54		324.89		332.67		330.54	
	July	368.42		334.60		311.81		310.83		325.19		332.99		330.86	
	August	368.81		334.93		312.10		311.11		325.49		333.30		331.17	
	September	369.18		335.25		312.37		311.38		325.78		333.60		331.47	
	October	369.56		335.57		312.65		311.65		326.08		333.91		331.78	
	November	369.93		335.88		312.92		311.92		326.36		334.21		332.08	
	December	370.30	265.82	336.19	231.87	313.20	209.03	312.19	208.18	326.65	222.74	334.51	230.63	332.38	232.31
2023	January	370.67		336.51		313.47		312.45		326.94		334.81		332.69	
	February	371.00		336.79		313.72		312.69		327.20		335.08		332.96	
	March	371.36		337.10		313.99		312.96		327.48		335.37		333.25	
	April	371.71		337.39		314.24		313.21		327.75		335.65		333.54	
	May	372.07		337.69		314.51		313.47		328.03		335.94		333.83	
	June	372.41		337.98		314.76		313.72		328.30		336.22		334.11	
	July	372.76		338.28		315.02		313.97		328.57		336.50		334.40	
	August	373.11		338.57		315.27		314.22		328.84		336.79		334.68	
	September	373.44		338.85		315.52		314.46		329.10		337.06		334.95	
	October	373.78		339.14		315.77		314.71		329.37		337.34		335.23	
	November	374.11		339.42		316.01		314.95		329.63		337.60		335.50	
	December	374.44	269.95	339.70	235.37	316.26	212.09	315.19	211.18	329.89	225.97	337.88	233.99	335.78	235.70

TABLE 5.1.3-XII

Future Wellbore Pressure Rise at WDW-407

Year	Month	Fault Transmissiveness													
		0%		25%		50%		75%		90%		95%		100%	
		$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$
2024	January	374.78		339.98		316.51		315.43		330.15		338.15		336.05	
	February	375.08		340.24		316.73		315.66		330.39		338.40		336.30	
	March	375.41		340.52		316.97		315.89		330.65		338.66		336.57	
	April	375.72		340.78		317.21		316.12		330.89		338.92		336.83	
	May	376.04		341.05		317.44		316.36		331.15		339.18		337.10	
	June	376.35		341.31		317.67		316.58		331.39		339.44		337.35	
	July	376.67		341.58		317.91		316.81		331.64		339.69		337.61	
	August	376.98		341.85		318.14		317.04		331.88		339.95		337.87	
	September	377.28		342.10		318.36		317.26		332.12		340.20		338.12	
	October	377.59		342.36		318.59		317.48		332.36		340.45		338.38	
	November	377.88		342.61		318.81		317.70		332.60		340.69		338.62	
	December	378.19	273.69	342.87	238.53	319.03	214.86	317.92	213.91	332.84	228.92	340.94	237.06	338.87	238.80
2025	January	378.49		343.12		319.25		318.14		333.07		341.19		339.12	
	February	378.76		343.35		319.45		318.34		333.29		341.41		339.35	
	March	379.06		343.60		319.67		318.55		333.52		341.66		339.59	
	April	379.34		343.84		319.88		318.76		333.75		341.89		339.83	
	May	379.63		344.09		320.10		318.97		333.98		342.13		340.07	
	June	379.91		344.33		320.31		319.18		334.20		342.36		340.31	
	July	380.20		344.57		320.52		319.39		334.43		342.60		340.55	
	August	380.49		344.81		320.73		319.60		334.65		342.84		340.78	
	September	380.76		345.04		320.93		319.80		334.87		343.06		341.01	
	October	381.04		345.28		321.14		320.00		335.09		343.30		341.25	
	November	381.31		345.51		321.34		320.20		335.31		343.52		341.47	
	December	381.59	277.09	345.74	241.40	321.55	217.37	320.41	216.39	335.53	231.61	343.75	239.86	341.70	241.63

TABLE 5.1.3-XII

Future Wellbore Pressure Rise at WDW-407

Year	Month	Fault Transmissiveness													
		0%		25%		50%		75%		90%		95%		100%	
		$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$
2026	January	381.86		345.98		321.75		320.61		335.75		343.98		341.94	
	February	382.11		346.19		321.94		320.79		335.94		344.18		342.14	
	March	382.38		346.42		322.14		320.99		336.16		344.41		342.37	
	April	382.64		346.64		322.33		321.18		336.37		344.63		342.59	
	May	382.91		346.86		322.53		321.38		336.58		344.85		342.81	
	June	383.17		347.08		322.72		321.57		336.79		345.06		343.03	
	July	383.43		347.30		322.92		321.76		337.00		345.28		343.25	
	August	383.70		347.53		323.11		321.95		337.20		345.50		343.47	
	September	383.95		347.74		323.30		322.14		337.41		345.71		343.68	
	October	384.21		347.96		323.49		322.33		337.61		345.92		343.90	
	November	384.46		348.17		323.67		322.51		337.81		346.13		344.11	
	December	384.71	280.21	348.39	244.04	323.86	219.68	322.70	218.68	338.02	234.09	346.34	242.46	344.32	244.25
2027	January	384.97		348.60		324.05		322.89		338.22		346.56		344.54	
	February	385.19		348.79		324.22		323.05		338.40		346.75		344.73	
	March	385.44		349.01		324.41		323.24		338.60		346.96		344.94	
	April	385.69		349.21		324.59		323.41		338.79		347.16		345.15	
	May	385.93		349.42		324.77		323.60		338.99		347.36		345.35	
	June	386.17		349.62		324.95		323.77		339.18		347.56		345.56	
	July	386.42		349.83		325.13		323.95		339.38		347.77		345.76	
	August	386.66		350.03		325.31		324.13		339.57		347.97		345.97	
	September	386.89		350.23		325.48		324.30		339.76		348.17		346.16	
	October	387.13		350.43		325.66		324.48		339.95		348.37		346.37	
	November	387.36		350.63		325.83		324.65		340.14		348.56		346.56	
	December	387.60	283.09	350.83	246.48	326.01	221.82	324.83	220.80	340.33	236.40	348.76	244.87	346.76	246.68

TABLE 5.1.3-XII

Future Wellbore Pressure Rise at WDW-407

Year	Month	Fault Transmissiveness													
		0%		25%		50%		75%		90%		95%		100%	
		$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$
2028	January	387.84		351.03		326.18		325.00		340.52		348.96		346.96	
	February	388.05		351.21		326.34		325.16		340.69		349.14		347.15	
	March	388.29		351.41		326.52		325.33		340.88		349.33		347.35	
	April	388.51		351.60		326.68		325.50		341.06		349.52		347.54	
	May	388.74		351.80		326.85		325.67		341.24		349.72		347.73	
	June	388.96		351.98		327.02		325.83		341.42		349.90		347.92	
	July	389.19		352.18		327.19		326.00		341.61		350.09		348.11	
	August	389.42		352.37		327.36		326.17		341.79		350.28		348.30	
	September	389.63		352.55		327.52		326.33		341.96		350.47		348.49	
	October	389.86		352.74		327.68		326.49		342.14		350.65		348.68	
	November	390.07		352.92		327.84		326.65		342.32		350.83		348.86	
	December	390.29	285.78	353.11	248.76	328.01	223.82	326.81	222.79	342.49	238.57	351.02	247.13	349.05	248.97
2029	January	390.51		353.30		328.17		326.98		342.67		351.21		349.24	
	February	390.71		353.46		328.32		327.12		342.83		351.37		349.41	
	March	390.93		353.65		328.48		327.28		343.01		351.55		349.59	
	April	391.14		353.82		328.64		327.44		343.17		351.73		349.77	
	May	391.35		354.01		328.80		327.60		343.35		351.91		349.95	
	June	391.56		354.18		328.95		327.75		343.52		352.09		350.13	
	July	391.77		354.36		329.11		327.91		343.69		352.27		350.31	
	August	391.98		354.54		329.26		328.07		343.86		352.45		350.49	
	September	392.19		354.71		329.42		328.22		344.02		352.62		350.67	
	October	392.40		354.89		329.57		328.37		344.19		352.79		350.85	
	November	392.60		355.06		329.72		328.52		344.35		352.96		351.02	
	December	392.81	288.29	355.24	250.88	329.88	225.69	328.68	224.65	344.52	240.60	353.14	249.25	351.19	251.11

TABLE 5.1.3-XII

Future Wellbore Pressure Rise at WDW-407

Year	Month	Fault Transmissiveness													
		0%		25%		50%		75%		90%		95%		100%	
		$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$
2030	January	393.01		355.41		330.03		328.83		344.69		353.31		351.37	
	February	393.20		355.57		330.17		328.97		344.84		353.47		351.53	
	March	393.40		355.74		330.32		329.12		345.00		353.64		351.70	
	April	393.60		355.91		330.46		329.26		345.16		353.81		351.87	
	May	393.80		356.08		330.61		329.41		345.33		353.98		352.05	
	June	393.99		356.24		330.76		329.56		345.48		354.15		352.21	
	July	394.19		356.41		330.91		329.70		345.65		354.31		352.38	
	August	394.39		356.58		331.06		329.85		345.81		354.48		352.55	
	September	394.58		356.74		331.20		329.99		345.96		354.65		352.72	
	October	394.78		356.91		331.34		330.14		346.12		354.81		352.89	
	November	394.97		357.07		331.49		330.28		346.28		354.97		353.05	
	December	395.17	290.64	357.23	252.88	331.63	227.44	330.43	226.40	346.44	242.51	355.14	251.24	353.22	253.14

TABLE 5.1.3-XIII

Future Wellbore Pressure Rise at WDW-422

Year	Month	Fault Transmissiveness													
		0%		25%		50%		75%		90%		95%		100%	
		$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$
2016	January	301.91		279.20		264.83		266.98		279.60		286.08		284.08	
	February	303.77		280.77		266.18		268.23		280.87		287.38		285.36	
	March	305.68		282.38		267.55		269.50		282.16		288.70		286.66	
	April	307.43		283.86		268.82		270.67		283.36		289.92		287.87	
	May	309.15		285.31		270.07		271.83		284.54		291.13		289.07	
	June	310.74		286.66		271.22		272.90		285.64		292.25		290.18	
	July	312.32		287.99		272.36		273.96		286.73		293.37		291.28	
	August	313.83		289.26		273.45		274.98		287.78		294.44		292.35	
	September	315.23		290.45		274.47		275.93		288.76		295.44		293.34	
	October	316.63		291.63		275.48		276.88		289.73		296.44		294.33	
	November	317.93		292.73		276.43		277.76		290.65		297.38		295.26	
	December	319.23	199.53	293.82	178.10	277.37	165.62	278.64	170.86	291.56	186.16	298.31	193.71	296.19	196.16
2017	January	320.48		294.88		278.28		279.50		292.45		299.22		297.10	
	February	321.58		295.81		279.08		280.25		293.22		300.02		297.89	
	March	322.75		296.80		279.93		281.05		294.06		300.87		298.74	
	April	323.86		297.73		280.73		281.81		294.84		301.68		299.54	
	May	324.96		298.67		281.54		282.56		295.63		302.49		300.35	
	June	326.00		299.55		282.30		283.28		296.37		303.25		301.11	
	July	327.05		300.43		283.06		284.00		297.12		304.02		301.87	
	August	328.07		301.28		283.80		284.70		297.85		304.77		302.62	
	September	329.02		302.09		284.49		285.36		298.54		305.48		303.33	
	October	329.99		302.91		285.19		286.02		299.23		306.19		304.04	
	November	330.89		303.67		285.86		286.65		299.89		306.87		304.71	
	December	331.81	211.83	304.45	188.50	286.52	174.62	287.28	179.42	300.55	195.11	307.55	202.92	305.39	205.34

TABLE 5.1.3-XIII

Future Wellbore Pressure Rise at WDW-422

Year	Month	Fault Transmissiveness													
		0%		25%		50%		75%		90%		95%		100%	
		$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$
2018	January	332.70		305.20		287.18		287.90		301.20		308.22		306.06	
	February	333.49		305.87		287.75		288.45		301.77		308.81		306.65	
	March	334.35		306.59		288.37		289.04		302.39		309.45		307.29	
	April	335.15		307.27		288.96		289.60		302.98		310.06		307.90	
	May	335.97		307.96		289.56		290.17		303.58		310.67		308.51	
	June	336.75		308.62		290.13		290.71		304.15		311.26		309.09	
	July	337.53		309.28		290.70		291.26		304.72		311.85		309.69	
	August	338.29		309.93		291.26		291.79		305.28		312.43		310.27	
	September	339.02		310.54		291.79		292.30		305.82		312.98		310.82	
	October	339.76		311.16		292.33		292.82		306.36		313.54		311.38	
	November	340.46		311.75		292.84		293.30		306.88		314.08		311.91	
	December	341.17	220.73	312.35	196.06	293.36	181.22	293.80	185.82	307.40	201.91	314.62	209.95	312.45	212.40
2019	January	341.86		312.94		293.87		294.29		307.92		315.15		312.98	
	February	342.48		313.46		294.32		294.72		308.37		315.62		313.46	
	March	343.15		314.03		294.81		295.19		308.87		316.14		313.97	
	April	343.79		314.57		295.28		295.64		309.35		316.63		314.46	
	May	344.43		315.11		295.75		296.10		309.83		317.13		314.96	
	June	345.05		315.63		296.20		296.53		310.29		317.60		315.44	
	July	345.68		316.16		296.66		296.98		310.76		318.08		315.92	
	August	346.29		316.68		297.11		297.41		311.22		318.56		316.40	
	September	346.88		317.18		297.54		297.82		311.66		319.02		316.86	
	October	347.48		317.68		297.98		298.25		312.10		319.48		317.32	
	November	348.05		318.16		298.40		298.65		312.53		319.92		317.76	
	December	348.62	227.75	318.65	202.04	298.82	186.46	299.06	190.96	312.96	207.42	320.37	215.68	318.21	218.15

TABLE 5.1.3-XIII

Future Wellbore Pressure Rise at WDW-422

Year	Month	Fault Transmissiveness													
		0%		25%		50%		75%		90%		95%		100%	
		$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$
2020	January	349.19		319.13		299.24		299.46		313.39		320.81		318.66	
	February	349.72		319.58		299.62		299.83		313.79		321.22		319.07	
	March	350.27		320.05		300.03		300.23		314.20		321.65		319.50	
	April	350.80		320.49		300.42		300.60		314.60		322.07		319.92	
	May	351.34		320.95		300.81		300.98		315.01		322.49		320.34	
	June	351.85		321.38		301.19		301.35		315.40		322.89		320.74	
	July	352.37		321.82		301.57		301.72		315.79		323.30		321.15	
	August	352.89		322.26		301.95		302.08		316.18		323.70		321.56	
	September	353.38		322.67		302.31		302.44		316.56		324.09		321.95	
	October	353.88		323.10		302.68		302.79		316.94		324.49		322.35	
	November	354.36		323.50		303.03		303.13		317.30		324.86		322.72	
	December	354.85	233.58	323.91	207.00	303.39	190.84	303.48	195.28	317.67	212.09	325.25	220.54	323.11	223.05
2021	January	355.33		324.32		303.75		303.83		318.04		325.63		323.50	
	February	355.76		324.69		304.06		304.14		318.37		325.97		323.84	
	March	356.23		325.08		304.41		304.47		318.73		326.35		324.21	
	April	356.68		325.46		304.74		304.79		319.07		326.70		324.57	
	May	357.14		325.85		305.08		305.12		319.43		327.07		324.94	
	June	357.58		326.22		305.40		305.44		319.76		327.42		325.29	
	July	358.03		326.60		305.73		305.76		320.11		327.77		325.65	
	August	358.47		326.98		306.06		306.08		320.45		328.13		326.00	
	September	358.90		327.34		306.37		306.38		320.77		328.46		326.34	
	October	359.33		327.70		306.69		306.69		321.10		328.81		326.69	
	November	359.75		328.05		307.00		306.99		321.42		329.14		327.02	
	December	360.17	238.54	328.41	211.23	307.31	194.57	307.29	199.00	321.75	216.13	329.48	224.74	327.36	227.29

TABLE 5.1.3-XIII

Future Wellbore Pressure Rise at WDW-422

Year	Month	Fault Transmissiveness													
		0%		25%		50%		75%		90%		95%		100%	
		$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$
2022	January	360.59		328.77		307.62		307.60		322.07		329.81		327.70	
	February	360.96		329.08		307.89		307.86		322.36		330.11		328.00	
	March	361.37		329.43		308.20		308.16		322.68		330.44		328.33	
	April	361.77		329.76		308.48		308.44		322.98		330.76		328.65	
	May	362.17		330.10		308.78		308.73		323.29		331.08		328.97	
	June	362.55		330.43		309.06		309.01		323.59		331.39		329.29	
	July	362.95		330.76		309.35		309.29		323.89		331.71		329.60	
	August	363.34		331.09		309.64		309.57		324.19		332.02		329.92	
	September	363.71		331.40		309.92		309.84		324.48		332.32		330.22	
	October	364.09		331.73		310.20		310.12		324.78		332.63		330.53	
	November	364.46		332.04		310.47		310.38		325.06		332.92		330.83	
	December	364.83	242.88	332.35	214.93	310.74	197.85	310.65	202.28	325.35	219.70	333.23	228.47	331.13	231.06
2023	January	365.20		332.66		311.02		310.92		325.64		333.53		331.43	
	February	365.53		332.95		311.26		311.16		325.90		333.79		331.70	
	March	365.90		333.25		311.53		311.42		326.18		334.09		332.00	
	April	366.24		333.55		311.79		311.68		326.46		334.37		332.29	
	May	366.60		333.85		312.05		311.93		326.73		334.66		332.58	
	June	366.94		334.14		312.30		312.18		327.00		334.94		332.86	
	July	367.29		334.43		312.56		312.44		327.27		335.22		333.14	
	August	367.64		334.73		312.82		312.69		327.55		335.50		333.43	
	September	367.97		335.01		313.07		312.93		327.81		335.77		333.70	
	October	368.31		335.30		313.32		313.18		328.07		336.05		333.98	
	November	368.64		335.58		313.56		313.41		328.33		336.32		334.25	
	December	368.98	246.74	335.86	218.22	313.81	200.76	313.66	205.21	328.59	222.90	336.59	231.82	334.52	234.45

TABLE 5.1.3-XIII

Future Wellbore Pressure Rise at WDW-422

Year	Month	Fault Transmissiveness													
		0%		25%		50%		75%		90%		95%		100%	
		$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$
2024	January	369.31		336.14		314.05		313.90		328.85		336.86		334.80	
	February	369.62		336.40		314.28		314.12		329.09		337.11		335.05	
	March	369.94		336.68		314.52		314.36		329.35		337.38		335.32	
	April	370.26		336.94		314.75		314.59		329.59		337.64		335.58	
	May	370.58		337.21		314.99		314.82		329.85		337.90		335.84	
	June	370.89		337.47		315.22		315.05		330.09		338.15		336.10	
	July	371.20		337.74		315.45		315.28		330.34		338.41		336.36	
	August	371.52		338.01		315.68		315.50		330.58		338.67		336.62	
	September	371.82		338.26		315.91		315.72		330.82		338.91		336.87	
	October	372.12		338.52		316.13		315.95		331.06		339.17		337.12	
	November	372.42		338.77		316.35		316.16		331.30		339.41		337.37	
	December	372.72	250.22	339.03	221.19	316.58	203.40	316.39	207.87	331.54	225.82	339.66	234.87	337.62	237.54
2025	January	373.03		339.28		316.80		316.61		331.77		339.91		337.87	
	February	373.30		339.51		317.00		316.80		331.99		340.13		338.09	
	March	373.59		339.76		317.22		317.02		332.22		340.37		338.34	
	April	373.88		340.00		317.43		317.23		332.45		340.61		338.57	
	May	374.17		340.25		317.65		317.44		332.68		340.85		338.82	
	June	374.45		340.49		317.85		317.65		332.90		341.08		339.05	
	July	374.74		340.73		318.07		317.86		333.13		341.32		339.29	
	August	375.02		340.97		318.28		318.06		333.35		341.55		339.53	
	September	375.30		341.20		318.48		318.27		333.57		341.78		339.76	
	October	375.58		341.44		318.69		318.47		333.79		342.01		339.99	
	November	375.85		341.67		318.89		318.67		334.01		342.24		340.22	
	December	376.13	253.38	341.91	223.89	319.10	205.80	318.87	210.30	334.23	228.49	342.47	237.67	340.45	240.37

TABLE 5.1.3-XIII

Future Wellbore Pressure Rise at WDW-422

Year	Month	Fault Transmissiveness													
		0%		25%		50%		75%		90%		95%		100%	
		$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$
2026	January	376.40		342.14		319.30		319.07		334.45		342.69		340.68	
	February	376.65		342.35		319.48		319.26		334.64		342.90		340.89	
	March	376.92		342.58		319.69		319.46		334.86		343.12		341.11	
	April	377.18		342.80		319.88		319.65		335.07		343.34		341.33	
	May	377.45		343.03		320.08		319.84		335.28		343.56		341.56	
	June	377.71		343.24		320.27		320.03		335.49		343.78		341.77	
	July	377.97		343.47		320.46		320.23		335.70		344.00		341.99	
	August	378.24		343.69		320.66		320.42		335.91		344.21		342.21	
	September	378.49		343.90		320.85		320.60		336.11		344.42		342.43	
	October	378.75		344.12		321.04		320.79		336.31		344.64		342.64	
	November	379.00		344.33		321.22		320.98		336.51		344.85		342.85	
	December	379.25	256.28	344.55	226.36	321.41	208.00	321.17	212.53	336.72	230.95	345.06	240.25	343.07	242.99
2027	January	379.51		344.76		321.60		321.35		336.92		345.27		343.28	
	February	379.73		344.96		321.77		321.52		337.10		345.46		343.47	
	March	379.98		345.17		321.96		321.70		337.30		345.67		343.69	
	April	380.23		345.37		322.14		321.88		337.49		345.87		343.89	
	May	380.47		345.58		322.32		322.06		337.69		346.08		344.10	
	June	380.71		345.79		322.50		322.24		337.88		346.28		344.30	
	July	380.96		345.99		322.68		322.42		338.08		346.48		344.50	
	August	381.20		346.20		322.86		322.60		338.27		346.68		344.71	
	September	381.43		346.40		323.03		322.77		338.46		346.88		344.91	
	October	381.67		346.60		323.21		322.95		338.65		347.08		345.11	
	November	381.90		346.79		323.38		323.12		338.84		347.27		345.31	
	December	382.14	258.96	346.99	228.65	323.56	210.04	323.29	214.60	339.03	233.24	347.47	242.65	345.51	245.43

TABLE 5.1.3-XIII

Future Wellbore Pressure Rise at WDW-422

Year	Month	Fault Transmissiveness													
		0%		25%		50%		75%		90%		95%		100%	
		$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$
2028	January	382.38		347.19		323.73		323.47		339.22		347.67		345.71	
	February	382.60		347.38		323.89		323.63		339.39		347.85		345.89	
	March	382.83		347.58		324.07		323.80		339.58		348.05		346.09	
	April	383.05		347.77		324.23		323.96		339.76		348.24		346.28	
	May	383.28		347.96		324.40		324.13		339.94		348.43		346.47	
	June	383.51		348.15		324.57		324.30		340.12		348.61		346.66	
	July	383.73		348.34		324.74		324.47		340.31		348.81		346.85	
	August	383.96		348.53		324.91		324.63		340.49		349.00		347.05	
	September	384.18		348.72		325.07		324.79		340.66		349.18		347.23	
	October	384.40		348.91		325.23		324.96		340.84		349.37		347.42	
	November	384.62		349.09		325.39		325.12		341.02		349.55		347.60	
	December	384.84	261.46	349.28	230.78	325.56	211.94	325.28	216.54	341.19	235.38	349.73	244.90	347.79	247.71
2029	January	385.06		349.46		325.72		325.44		341.37		349.92		347.98	
	February	385.25		349.63		325.87		325.59		341.53		350.09		348.15	
	March	385.47		349.81		326.03		325.75		341.71		350.27		348.33	
	April	385.68		349.99		326.19		325.91		341.87		350.44		348.51	
	May	385.90		350.17		326.35		326.07		342.05		350.63		348.70	
	June	386.10		350.35		326.50		326.22		342.21		350.80		348.87	
	July	386.32		350.53		326.66		326.38		342.39		350.98		349.05	
	August	386.53		350.71		326.81		326.53		342.56		351.16		349.23	
	September	386.73		350.88		326.97		326.68		342.72		351.33		349.41	
	October	386.94		351.06		327.12		326.84		342.89		351.51		349.59	
	November	387.14		351.23		327.27		326.99		343.05		351.68		349.76	
	December	387.35	263.79	351.40	232.77	327.43	213.72	327.14	218.36	343.22	237.39	351.85	247.01	349.94	249.85

TABLE 5.1.3-XIII

Future Wellbore Pressure Rise at WDW-422

Year	Month	Fault Transmissiveness													
		0%		25%		50%		75%		90%		95%		100%	
		$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$	$\Delta p_{flowing}$	$\Delta p_{24\text{-hr si}}$
2030	January	387.56		351.58		327.58		327.29		343.39		352.03		350.11	
	February	387.74		351.73		327.72		327.43		343.54		352.18		350.27	
	March	387.95		351.91		327.87		327.58		343.70		352.36		350.45	
	April	388.14		352.07		328.01		327.73		343.86		352.52		350.61	
	May	388.34		352.24		328.16		327.88		344.03		352.69		350.79	
	June	388.54		352.41		328.31		328.02		344.18		352.86		350.95	
	July	388.74		352.58		328.46		328.17		344.35		353.03		351.13	
	August	388.94		352.75		328.61		328.32		344.51		353.20		351.30	
	September	389.13		352.91		328.75		328.46		344.66		353.36		351.46	
	October	389.33		353.08		328.90		328.61		344.82		353.53		351.63	
	November	389.52		353.24		329.04		328.75		344.98		353.69		351.79	
	December	389.71	265.98	353.40	234.64	329.18	215.39	328.89	220.07	345.13	239.29	353.85	249.00	351.96	251.88

TABLE 5.1.4-I

Distances to Critical Pressure Contour

Direction From TMI Facility	Distance to Critical Pressure Contour from TMI, feet										
	2007 Modeling				2015 Modeling						
	Upper Frio Cases		Lower Frio Cases		Lower Frio - Fault Transmissiveness Case						
	Infinite	Faulted	Infinite	Faulted	0%	25%	50%	75%	90%	95%	100%
West	1800	267	19600	18600	10300	3800	700	700	2700	4400	9400
North	1800	267	18275	10900	5400	5500	800	800	3700	4700	6800
East	1800	267	16550	16025	8700	2600	600	600	1600	2400	3700
South	1800	267	17025	14225	10900	2700	800	800	1700	3000	6900

Direction From Vopak Facility	Distance to Critical Pressure Contour from Vopak, feet										
	2007 Modeling				2015 Modeling						
	Upper Frio Cases		Lower Frio Cases		Lower Frio - Fault Transmissiveness Case						
	Infinite	Faulted	Infinite	Faulted	0%	25%	50%	75%	90%	95%	100%
West	1800	267	18875	18125	9700	3200	700	700	2100	3700	8700
North	1800	267	16100	8725	3400	3500	800	800	1700	2700	4700
East	1800	267	17350	16950	9300	3300	600	600	2200	3000	4300
South	1800	267	19175	16350	13000	4700	900	800	3800	5000	8900