Table 3.5-8 Vertical Hydraulic Gradients

Well ID	Easting (feet)	Northing (feet)	Completion Zone	Measure Point Elevation (ft amsl)	Top Under-Reamed Interval (ft bgs)	Bottom Under-Reamed Interval (ft bgs)	Midpoint Under-Reamed Interval (ft bgs)	Date of Measurement	Depth to Water (ft bgs)	Water Level Elevation (ft amsl)	Vertical Hydraulic Gradient (ft/ft)
Central Well Group											
LC18M	743368	535316	LFG	6,949.03	290	332	311	10/25/2006	167.32	6,781.71	-
LC19M	743383	535317	HJ	6,950.52	412	463	438	10/25/2006	179.05	6,771.47	0.08
LC20M	743383	535331	UKM	6,950.64	511	543	527	10/25/2006	202.84	6,747.80	0.26
LC18M	743368	535316	LFG	6,949.03	290	332	311	6/27/2007	168.04	6780.99	-
LC19M	743383	535317	HJ	6,950.52	412	463	438	6/27/2007	180.08	6770.44	0.08
LC20M	743383	535331	UKM	6,950.64	511	543	527	6/27/2007	202.36	6748.28	0.25
East Well Group											
LC29M	744547	534837	DE	6936.86	140	164	152	10/25/2006	153.75	6,783.11	
LCM15	744546	534823	LFG	6936.57	286	340	313	10/25/2006	160.34	6,776.23	0.04
LCM16	744562	534820	HJ	6936.38	410	467	438.5	10/25/2006	178.79	6,757.59	0.15
LCM17	744562	534840	UKM	6936.87	529	565	547	10/25/2006	185.34	6,751.53	0.06
West Well Group											
LC30M	736276	532836	DE	6927.404	196	236	216	10/25/2006	199.02	6,728.38	-
LC21M	736277	532850	LFG	6927.13	375	398	387	10/25/2006	199.05	6,728.08	0.00
LC22M	736292	532850	HJ	6926.06	504	585	544.5	10/25/2006	206.66	6,719.40	0.06
LC23M	736292	532835	UKM	6926.8	595	630	612.5	10/25/2006	220.33	6,706.47	0.19
Conoco Northeast Wells											
M-25-92-17-1S	745785	536224	LFG	6966.2	#	#	334	8/18/1982	#	6792.90	-
M-25-92-17-1M	745813	536223	HJ	6966.7	#	#	422	8/18/1982	#	6781.80	0.13
M-25-92-17-1D	745837	536222	UKM	6967.4	#	#	516	8/18/1982	#	6761.60	0.21
Conoco Central Wells											
M-25-92-18-1S	742648	535513	LFG	6939.3	#	#	340	8/18/1982	#	6778.00	-
M-25-92-18-1M	742623	535515	HJ	6940	#	#	413	8/18/1982	#	6770.80	0.10
M-25-92-18-1D	742596	535517	UKM	6938.7	#	#	608	8/18/1982	#	6740.60	0.15
Conoco Southeast Wells											
M-25-92-20-1S	744998	534521	LFG	6934.5	#	#	341	8/18/1982	#	6776.40	-
M-25-92-20-1M	745023	534520	HJ	6934.9	#	#	388	8/18/1982	#	6758.90	0.37
M-25-92-20-1D	745048	534519	UKM	6935	#	#	522	8/18/1982	#	6751.80	0.05

Values were not reported by HydroSearch, Inc. (1982)

Vertical hydraulic gradient is calculated between middle of underreamed interval in overlying aquifer to middle of underreamed interval in underlying aquifer

(a positive number indicates a downward potential)