



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF WATER RIGHTS

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MEMORANDUM

TO: Lee Sim

FROM: Gertrudys B. Adkins

DATE: May 3, 1999

SUBJECT: Water Level Report for Milford Valley Wells

Enclosed, please find a graphical analysis of selected monitoring wells in the Milford Valley and a map showing the location of the wells. The period of study is from 1990 to 1999. Data collection for three of the selected wells were discontinued. Also, USGS is not longer taking water level readings in the fall as it used to do. Water level readings are conducted in the Spring (March) of each year.

The water in water level measurements indicate an increase in levels over the 1998 readings. The area that registered the largest increase was at the South end of the valley. Water levels increased an average of 3.28 ft from the 1998 levels.

cc: Committee Members
Water Commissioner
Kerry Carpenter

MILFORD VALLEY WATER LEVEL PATTERN

The overall pattern or long term trend (1990 to present) of water levels in the Milford Valley is downward. However, considerable recovery was registered in several wells during the spring of 1999. The biggest increase, in terms of feet recovered, was registered on well (C-29-35)35ccd-1. The water level in this well increased by 7.82 ft. This well is located about 11 miles South East of Milford.

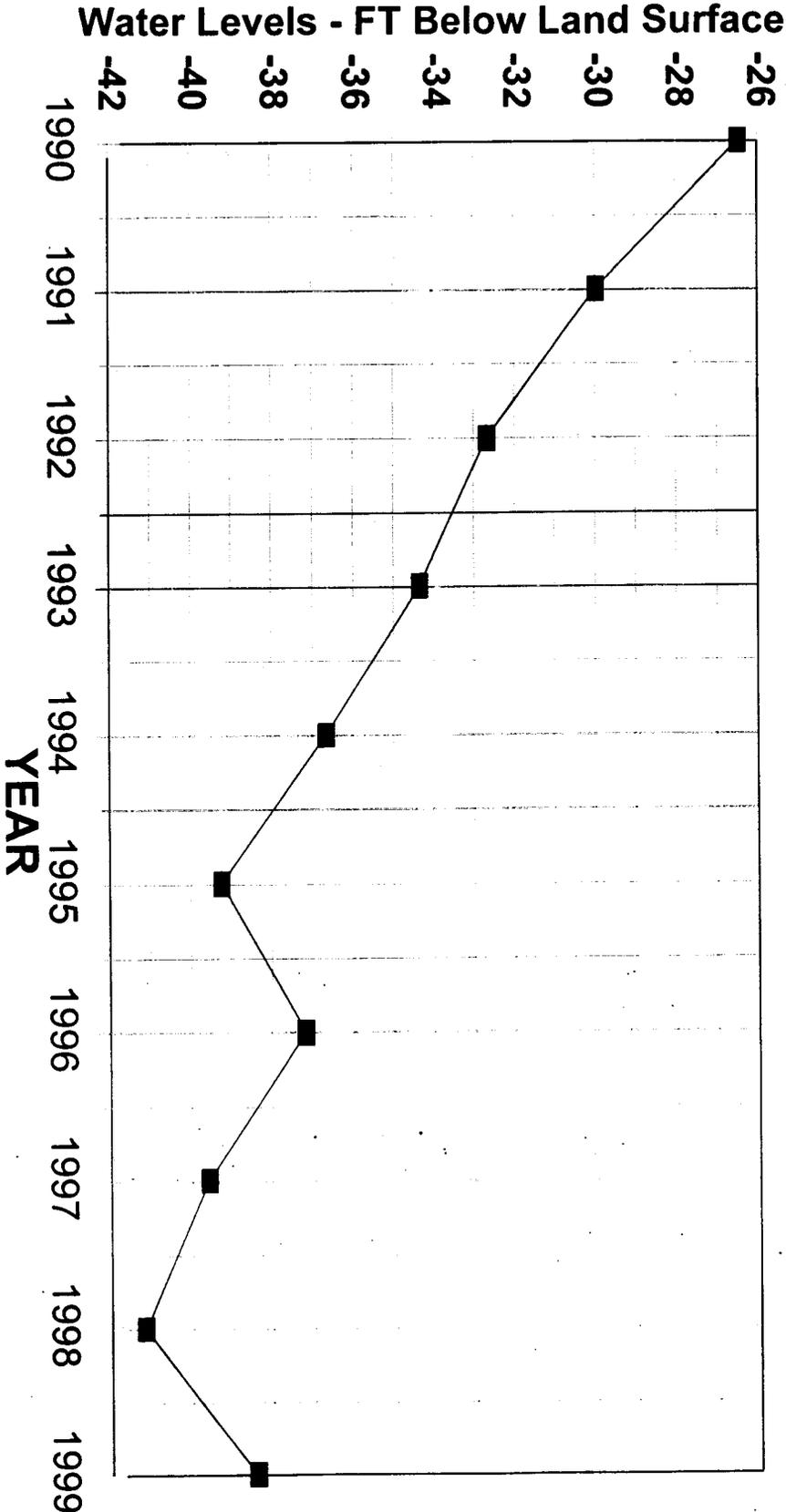
The smaller rise in water levels (0.98 ft) was registered in well (C-29-11)13add-1 located approximately 7 miles South West of Milford. This well is owned by Circle Four Realty.

All the other wells in the study show a moderate increase in water levels. The average increase in water level was 3.28 ft. One possible reason for the increase in water levels in all observation wells was due to a large amount of recharge from higher than normal levels of precipitation in 1997.

Water levels in well (C-28-10)19add-3 registered a surprisingly high percentage raise (7%) in water levels. A similar pattern was observed in the 1995-1996 period in all wells. Future monitoring data will show if the current overall long term downward trend resumes.

MILFORD VALLEY GROUNDWATER LEVELS

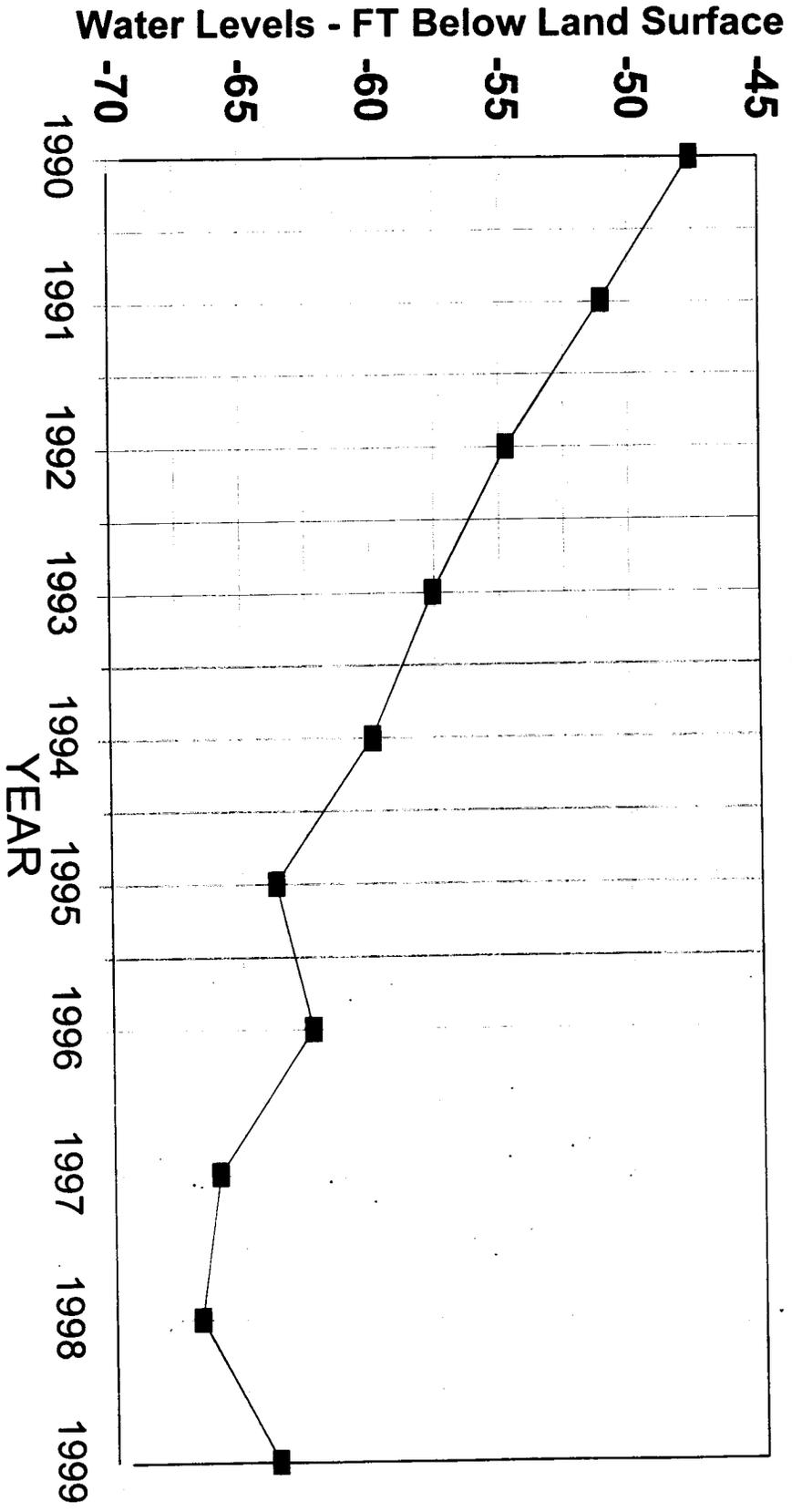
Well (C-28-10)19add-3)



Water Level Decline (1990 - 1999) : 11.96 ft or 1.33 ft per year
WL% change from 1998 : up 7% or 2.73 ft

MILFORD VALLEY GROUNDWATER LEVELS

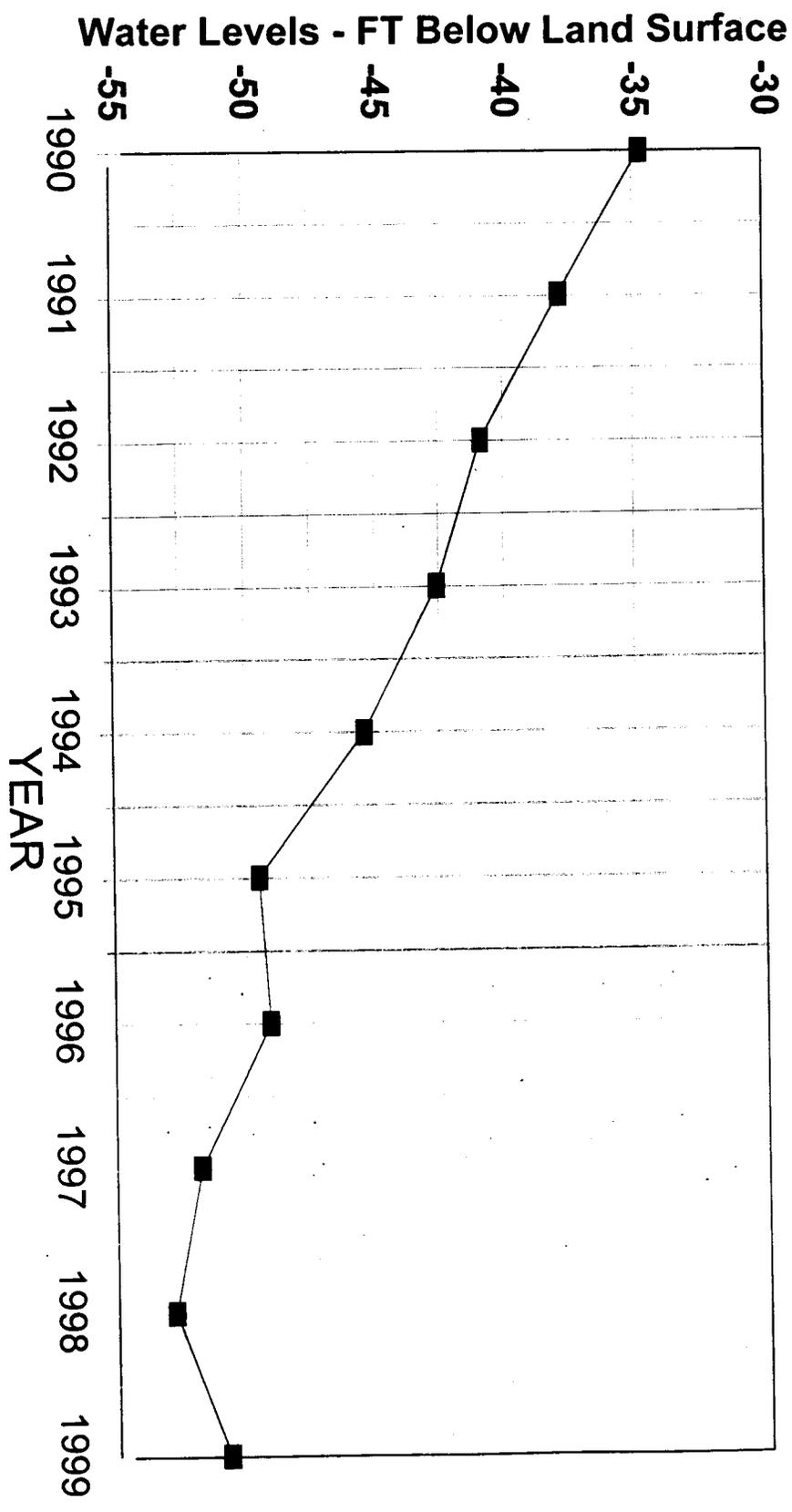
Well (C-29-11)1add-2)



Water Level Decline (1990 - 1999) : 16.17 ft or 1.80 ft per year
WL% change from 1998: Up 4.596% or 2.93 ft

MILFORD VALLEY GROUNDWATER LEVELS

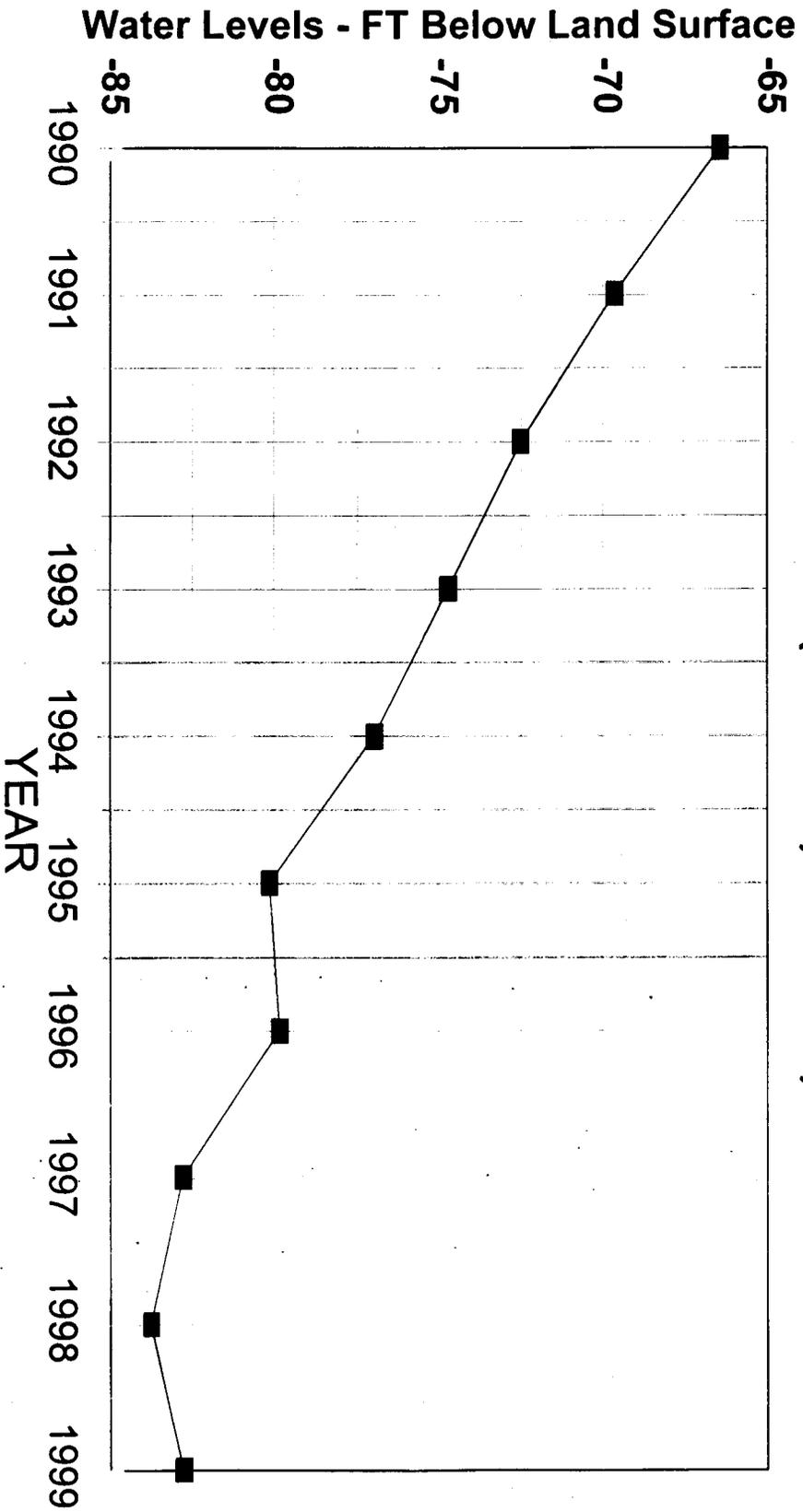
Well (C-28-11)25dcd-1)



Water Level Decline (1990 - 1999) : 16.02 ft or 1.78 ft per year
WL% change from 1998 : Up 4.0% or 2.0 ft

MILFORD VALLEY GROUNDWATER LEVELS

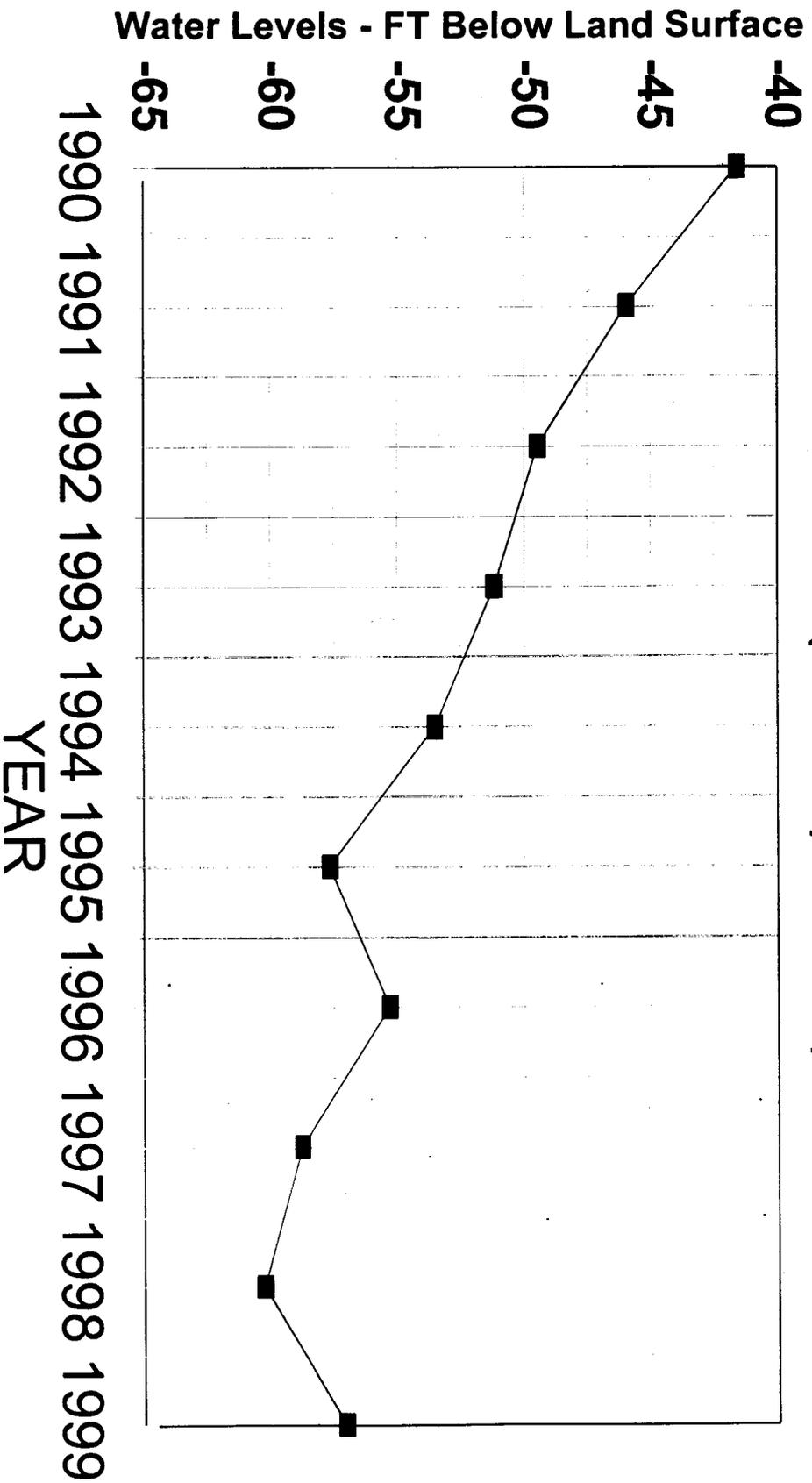
Well (C-29-11)13add-1)



Water Level Decline (1990 - 1999) : 16.32 ft or 1.81 ft per year
WL% change from 1998 : Up 1.18% or 0.98 ft

MILFORD VALLEY GROUNDWATER LEVELS

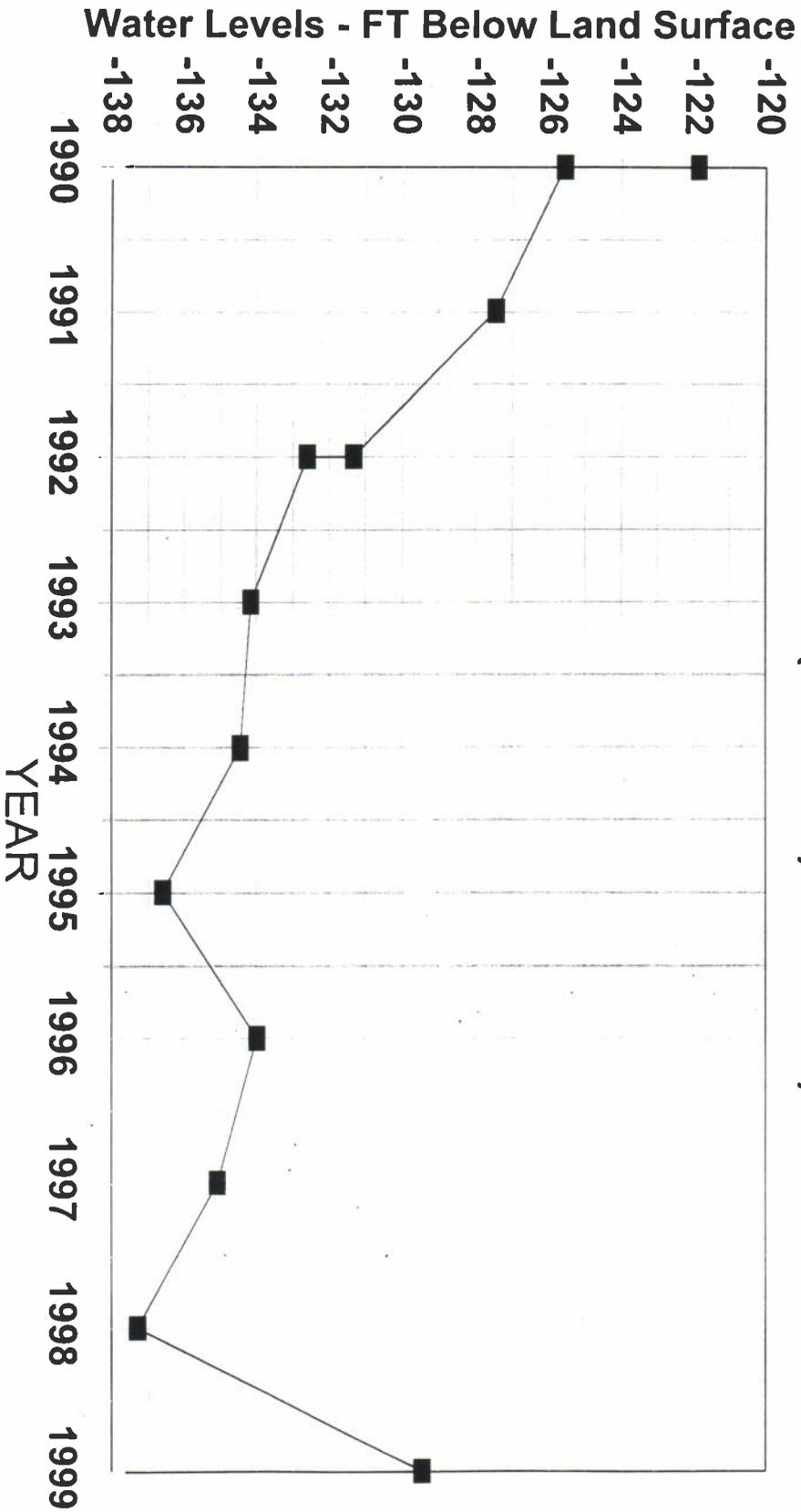
Well (C-28-10)30cdc-2)



Water Level Decline (1990 - 1999) : 15.46 ft or 1.72 ft per year
 WL% change from 1998 : Up 5.6% or 3.19 ft

MILFORD VALLEY GROUNDWATER LEVELS

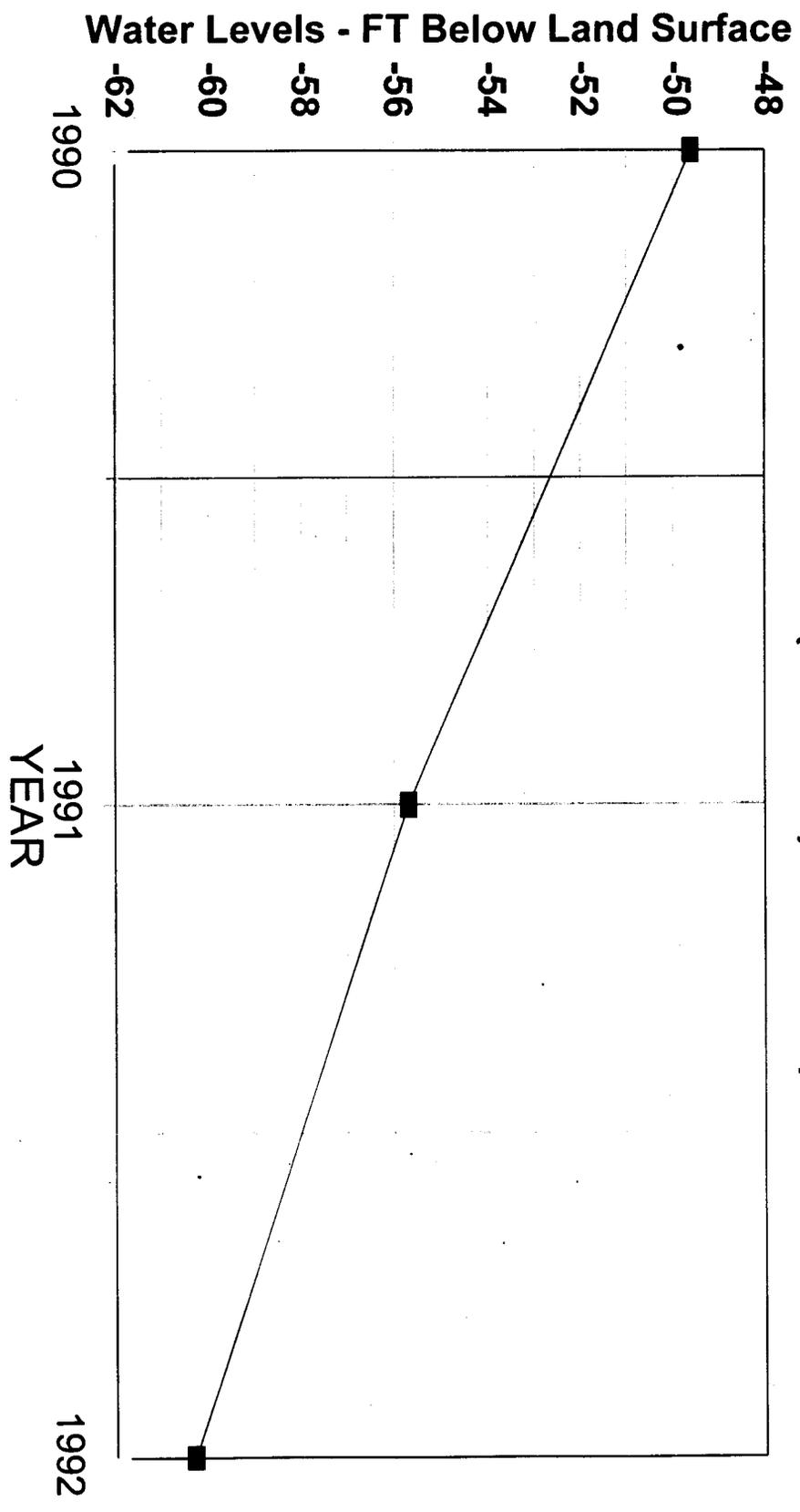
Well (C-29-10)35ccd-1)



Water Level Decline (1990 - 1999) : 7.61 ft or 0.85 ft per year
WL% change from 1998 : Up 6.04% or 7.82 ft

MILFORD VALLEY GROUNDWATER LEVELS

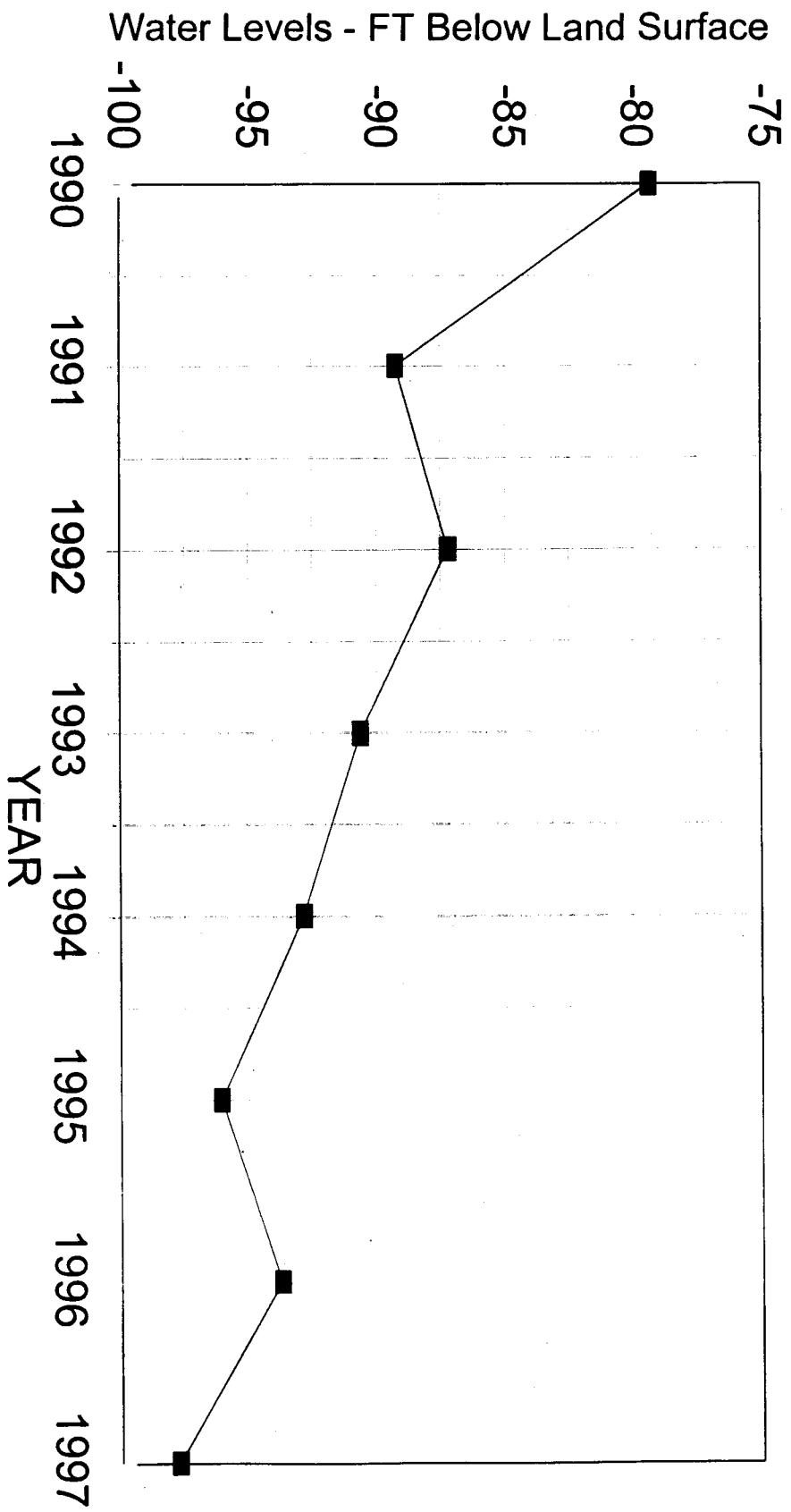
Well (C-28-10)32ddd-1)



There is not data available after 1992

MILFORD VALLEY GROUNDWATER LEVELS

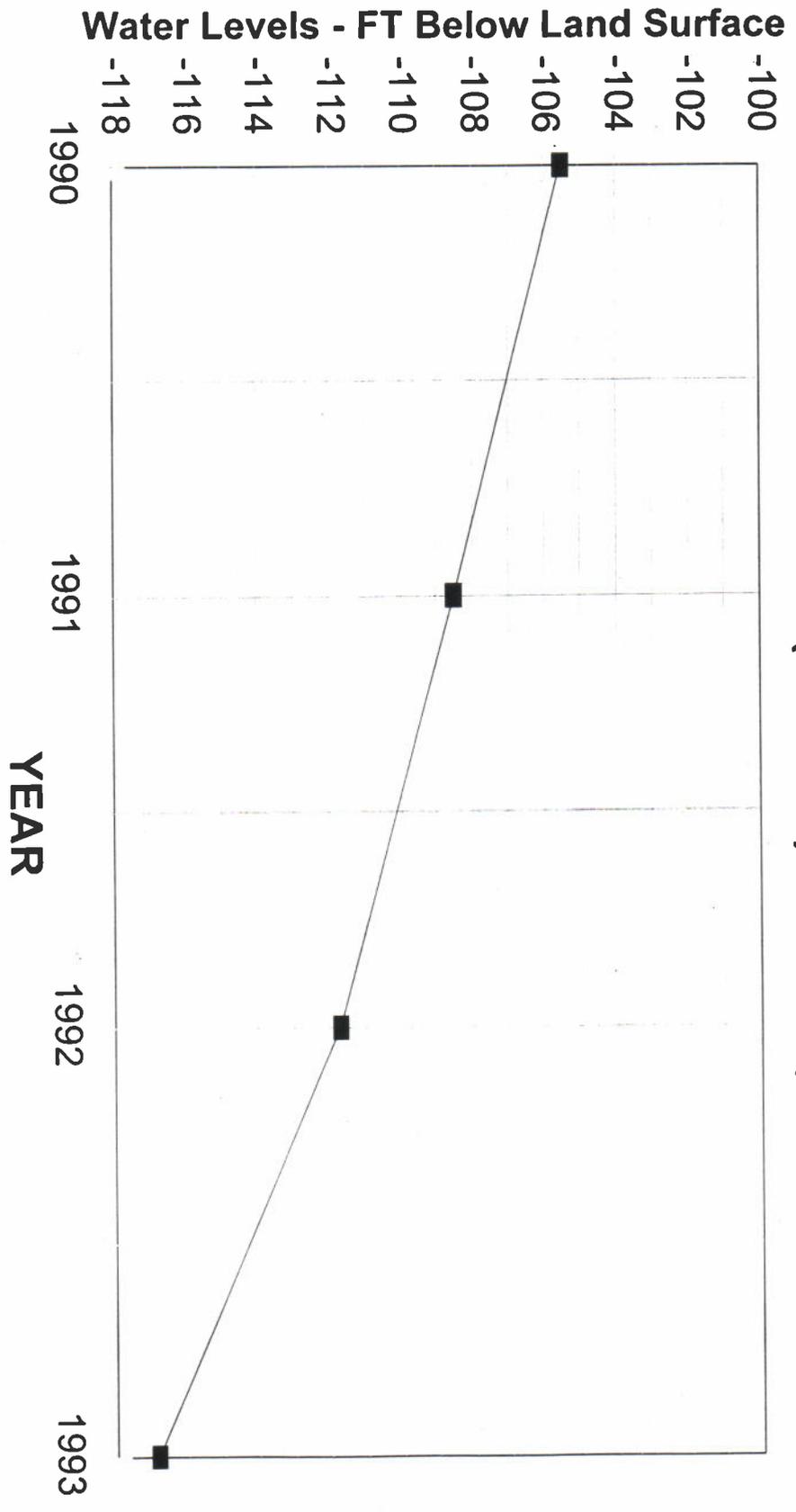
Well (C-29-10)8ddd-2)



There is not data available for 1998 & 1999

MILFORD VALLEY GROUNDWATER LEVELS

Well (C-29-10)19ddd-1)



There is not data After 1993

Milford Valley Observation Wells

