

GROUND-WATER LEVELS IN WYOMING, 1978 THROUGH SEPTEMBER 1987

By Hugh I. Kennedy and Sharon L. Green

U.S. GEOLOGICAL SURVEY

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and the

WYOMING ECONOMIC DEVELOPMENT AND STABILIZATION BOARD

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1988



DEPARTMENT OF THE INTERIOR
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Box 25425
Denver, Colorado 80225

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CONVERSION FACTORS

For use of readers who prefer to use International System (SI) units, rather than the inch-pound terms used in this report, the following conversion factors may be used:

Multiply inch-pound unit	By	To obtain SI unit
acre	4047	hectare
foot (ft)	0.3048	meter
mile	1.609	kilometer

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ABSTRACT

Ground-water levels are measured periodically in a network of 95 observation wells in Wyoming, mostly in areas where ground water is used in large quantities for irrigation or municipal purposes. The monitoring program is conducted by the U.S. Geological Survey in cooperation with the Wyoming State Engineer and the Wyoming Economic Development and Stabilization Board. This report includes maps showing the locations of the selected wells, tables listing well history and highest and lowest water levels for the period of record, and hydrographs for 1978 through September 1987.

INTRODUCTION

Since 1940 the Geological Survey, in cooperation with city, State, and other Federal agencies, has periodically measured ground-water levels in a large number of wells in Wyoming. These observation wells primarily have been in areas where ground water is used in large quantities for irrigation or municipal purposes. The program currently is conducted by the U.S. Geological Survey in cooperation with the Wyoming State Engineer and the Wyoming Economic Development and Stabilization Board.

A more extensive program was started in 1972 in an effort to expand the ground-water-level data base throughout the State. Part of the expansion included the installation of continuous recorders on selected observation wells in the well network. During 1987 a continuous record of water levels was obtained from 83 wells equipped with digital water-level recorders; the remaining wells were periodically measured by hand.

Hydrographs for the 95 wells in the observation network are included in this report. The hydrographs were plotted using either continuous water-level records or periodic water-level measurements. The daily maximum water level was plotted for those wells equipped with continuous recorders. These hydrographs depict annual water-level fluctuations and water-level trends during 1978-87. If more precise water levels are needed, tabulations of actual water-level measurements (recorded to the nearest one-hundredth of a foot) are available from the U.S. Geological Survey, 2120 Capitol Avenue, P.O. Box 1125, Cheyenne, Wyoming 82003 (telephone (307) 772-2153; FTS 328-2153).

Wyoming water-level data and hydrographs for periods prior to 1985 may be found in nine previous reports of ground-water levels, compiled by the U.S. Geological Survey (Ringin, 1973 and 1974; Ballance and Freudenthal, 1975, 1976, and 1977; Stevens, 1978; Ragsdale, 1982; Ragsdale and Oberender, 1985; Kennedy and Oberender, 1987).

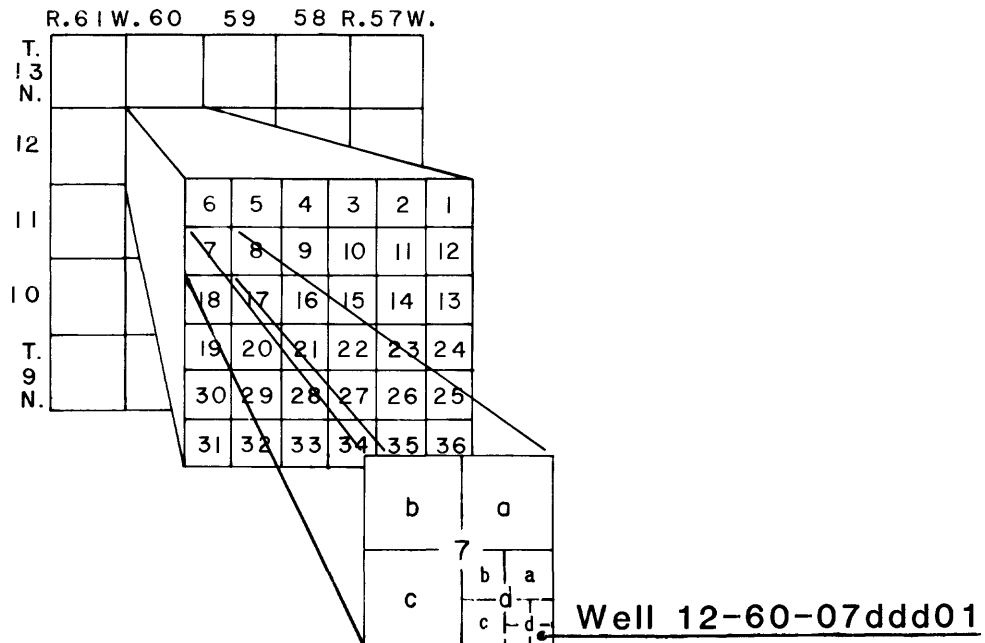
PRESENTATION OF DATA

The data are presented alphabetically by county. Locations of counties are shown on figure 1. Records of observation wells for each county are listed in a table that is preceded by a map showing the locations of the wells in that county (figs. 2-15). Hydrographs for wells for 1978 through 1987 or for the period of record, if less than 10 years, succeed the table for each county.

Numbering System for Wells

The locations of most wells in this report are based on the Federal system of land subdivision. The first number denotes the township north of the 40th Parallel Base Line, the second number denotes the range west of the Sixth Principal Meridian, and the third number denotes the section. A section is divided into quarters of 160 acres each; each quarter is designated a, b, c, or d in a counterclockwise direction, beginning in the northeast quarter. Each quarter is divided into quarters of 40 acres each and again into quarters (10-acre tracts). Alphabetical designations are also assigned to the subsequent subdivisions. A numeral appearing after the letters distinguishes that well from other numbered wells within the same 10-acre tract.

The following illustration shows the location of well 12-60-07ddd01 in Laramie County:



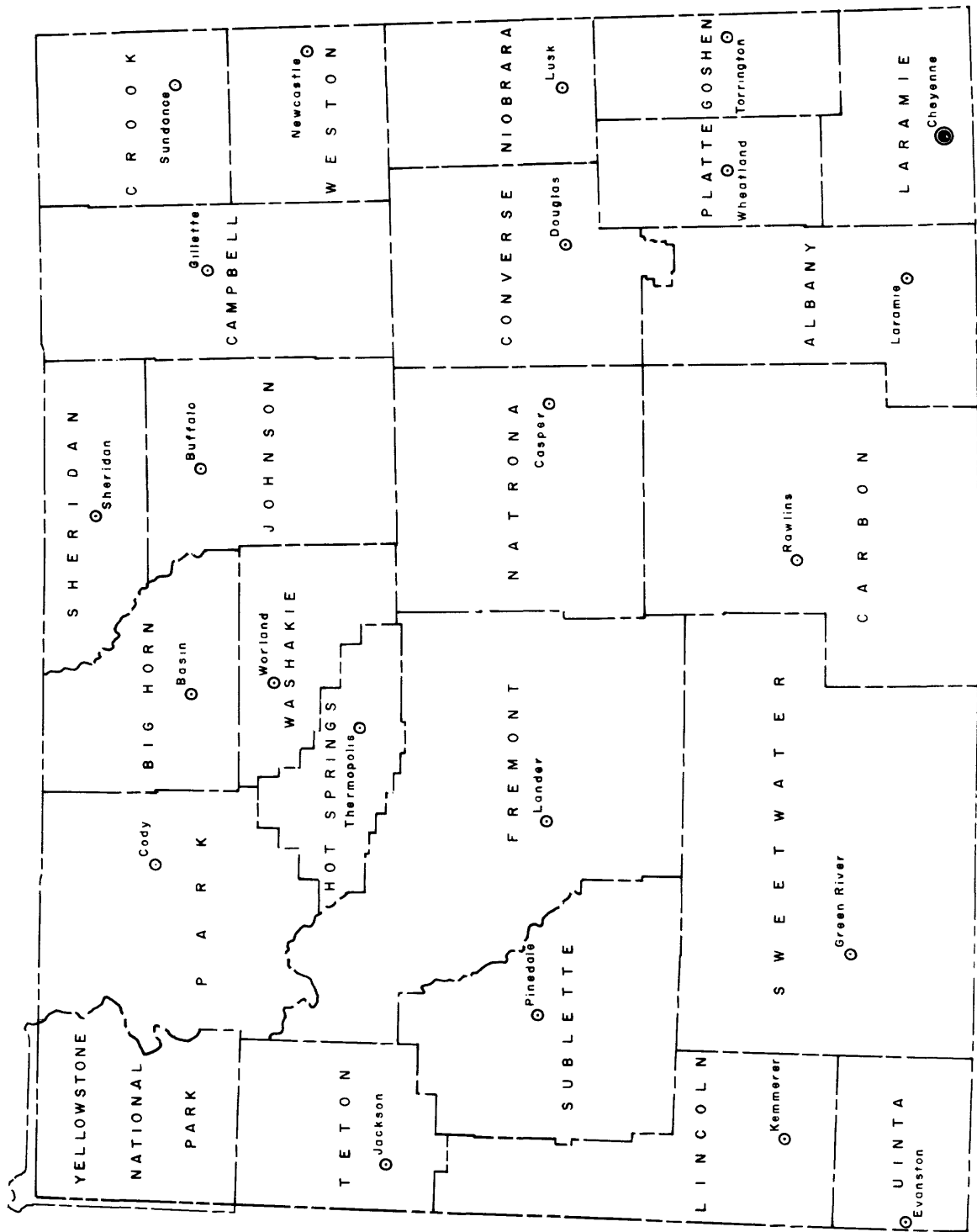
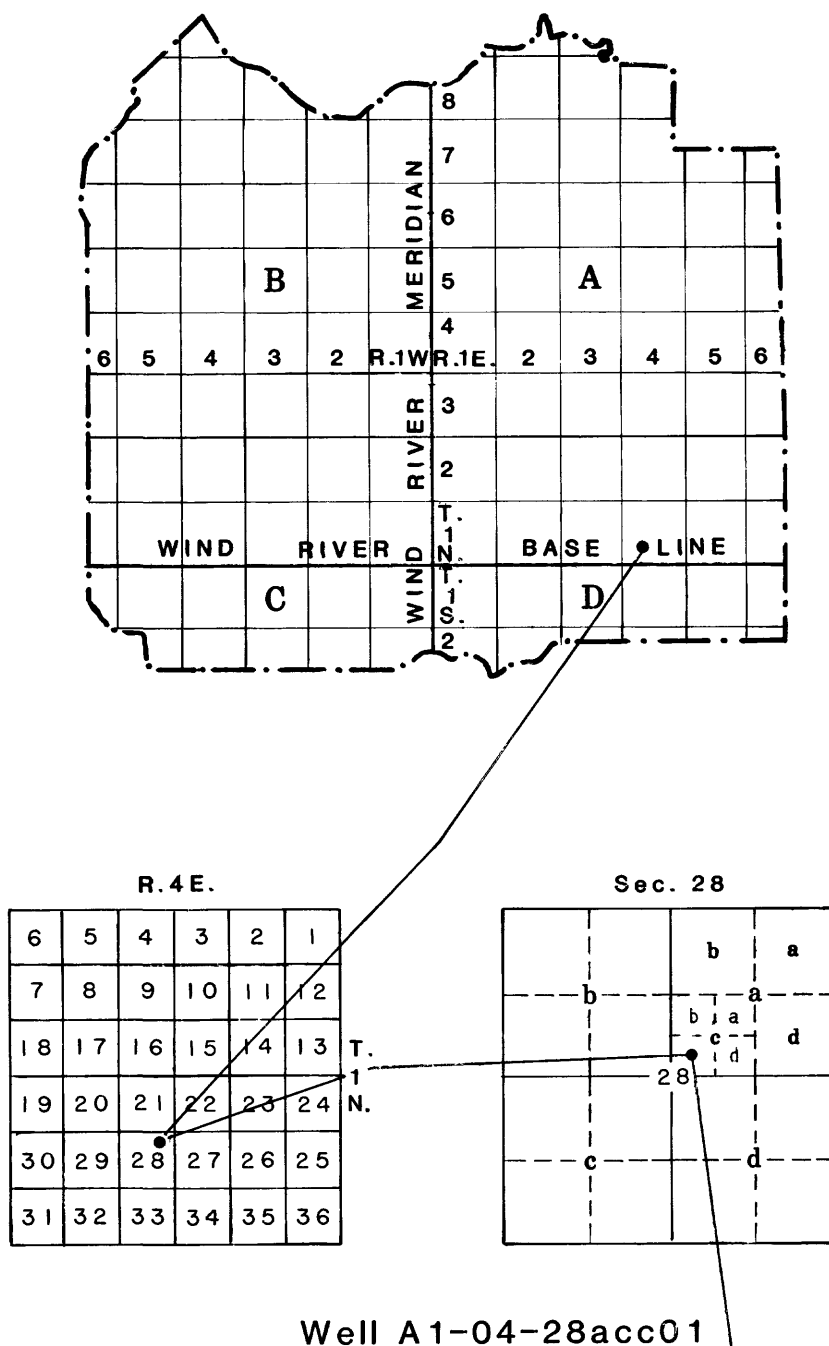


Figure 1.--Counties of Wyoming.

Observation wells on the Wind River Indian Reservation and adjacent area in Fremont County (fig. 7) are similarly located; however, they are in a land subdivision that is referenced as the Wind River Base Line and Meridian (McGreevy and others, 1969). Wells within this system may be in the northeast, northwest, southwest, or southeast quadrants of this base-line and meridian net. Well numbers in this land net have uppercase-letter prefixes that designate the quadrants; A designates the northeast quadrant, B the northwest, C the southwest, and D the southeast.

The following illustration shows the location of well A1-04-28acc01 in Fremont County:



Explanation of Column Headings for Tables of Well Records

Well number: See text for description of the well-numbering system.

Well depth: Depth of well, in feet below land surface.

Use of water: H, domestic; I, irrigation; P, municipal; S, stock;
N, industrial; U, unused.

Geologic source: The geologic source codes have been retrieved from Water Data Storage and Retrieval System (WATSTORE) of the U.S. Geological Survey and may not follow the current usage of the U.S. Geological Survey.

Era- them	System	Series	Geologic Source Code	Formation name
Cenozoic	Quaternary	Holocene	111ALVM	Alluvium
			111SPBK	Spoil bank (reclaimed coal mine area)
			111TRRC	Terrace deposits
	Tertiary	Pliocene	121NRPK	North Park Formation ¹
			121OGLL	Ogallala Formation ¹
		Miocene	122ARKR	Arikaree Formation
		Oligocene	123BRUL	Brule Formation
			123WRVR	White River Formation or Group
Mesozoic	Cretaceous	Upper Cretaceous	124WDRV	Wind River Formation
			124WSTC	Wasatch Formation
	Cretaceous	Lower Cretaceous	125FRRS	Ferris Formation ²
			125LEBO	Lebo member of Fort Union Formation
Paleozoic	Permian	Upper Permian	211FXHL	Fox Hills Sandstone
		Lower Permian	217LKOT	Lakota Formation
			311PRKC	Park City Formation ³
	Mississippian	Upper Mississippian	317CSPR	Casper Formation ⁴
			317MNLS	Minnelusa Formation ⁴
		317TSLP	Tensleep Sandstone ⁴	
Lower Mississippian	331MDSN	Madison Limestone		
Lower Mississippian	337PHSP	Pahasapa Limestone		

¹ Now designated Miocene by the U.S. Geological Survey

² Includes Upper Cretaceous

³ Includes Lower Permian

⁴ Includes Pennsylvanian

Explanation of Column Headings for Tables of Well Records--Continued

Records available: Years for which water-level measurements are available.

Water levels: The highest and lowest water levels are for the period of record and reflect the static water level unless otherwise footnoted.

Explanation of Hydrographs



Water-level data obtained by continuous water-level recorders.
Missing sections of lines are period of no data.



Individual water-level measurements. Dashed line represents periods of no data between measurements.

Local reference name is shown at the bottom of the hydrograph. Also any additional information is shown at the bottom of the hydrograph.

REFERENCES CITED

- Ballance, W.C., and Freudenthal, P.B., 1975, Ground-water levels in Wyoming, 1974: U.S. Geological Survey open-file report, 186 p.
- 1976, Ground-water levels in Wyoming, 1975: U.S. Geological Survey Open-File Report 76-598, 170 p.
- 1977, Ground-water levels in Wyoming, 1976: U.S. Geological Survey Open-File Report 77-686, 170 p.
- Kennedy, H.I., and Oberender, C.B., 1987, Ground-water levels in Wyoming, 1976-1985: U.S. Geological Survey Open-File Report 87-456, 122 p.
- McGreevy, L.J., Hodson, W.G., and Rucker, S.J., IV, 1969, Ground-water resources of the Wind River Indian Reservation, Wyoming: U.S. Geological Survey Water-Supply Paper 1576-1, 145 p.
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- Ragsdale, J.O., and Oberender, C.B., 1985, Ground-water levels in Wyoming, 1974 through 1983: U.S. Geological Survey Open-File Report 85-403, 194 p.
- Ringen, B.H., 1973, Records of ground-water levels in Wyoming, 1940-1971: Wyoming State Engineer's Office, Wyoming Water Planning Program Report No. 13, 479 p.
- 1974, Ground-water levels in Wyoming, 1972-73: Wyoming State Engineer's Office, Wyoming Water Planning Program Report No. 13, Supplement No. 1, 158 p.
- Stevens, M.D., 1978, Ground-water levels in Wyoming, 1977: U.S. Geological Survey Open-File Report 78-605, 203 p.

GROUND-WATER LEVELS BY COUNTY

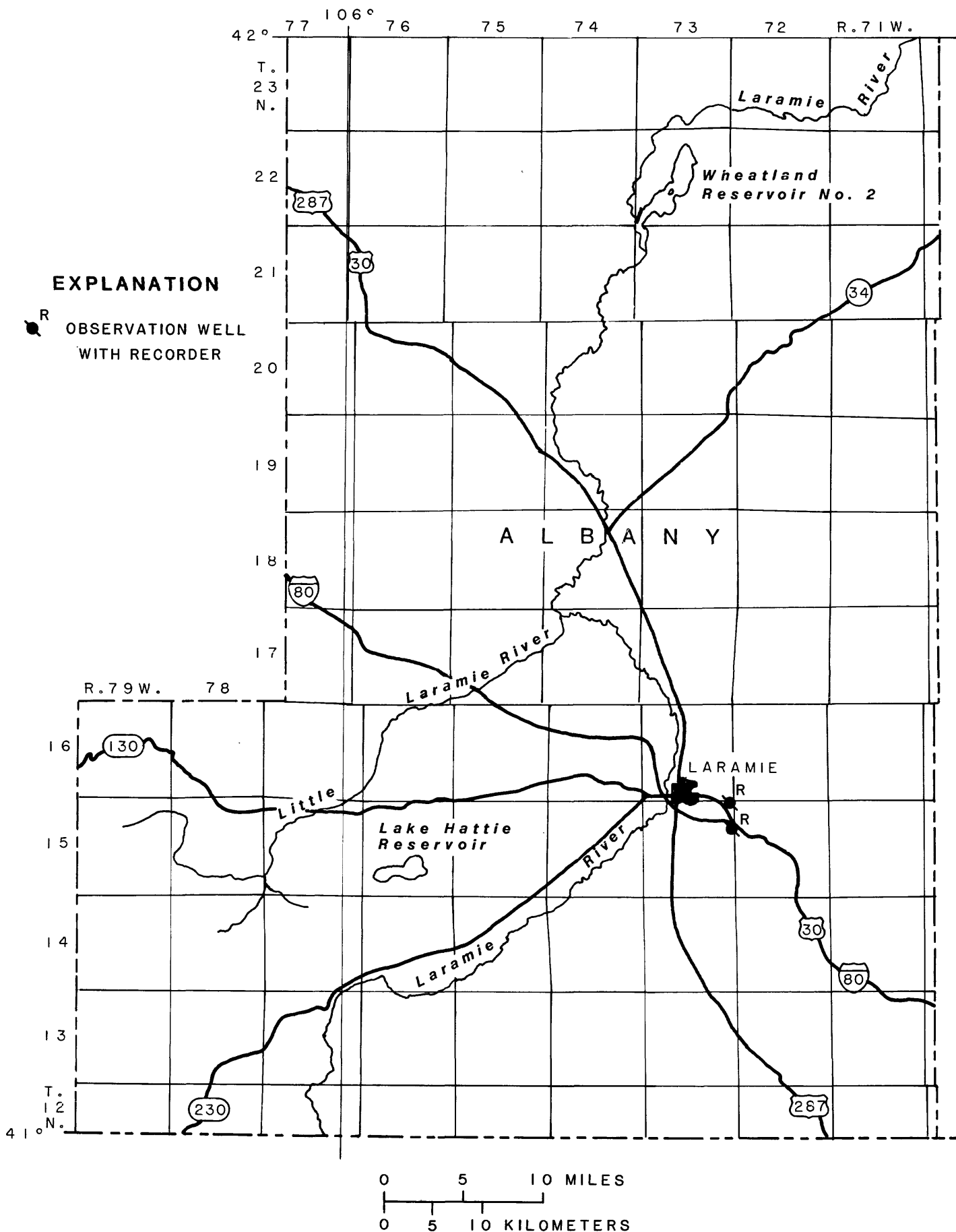
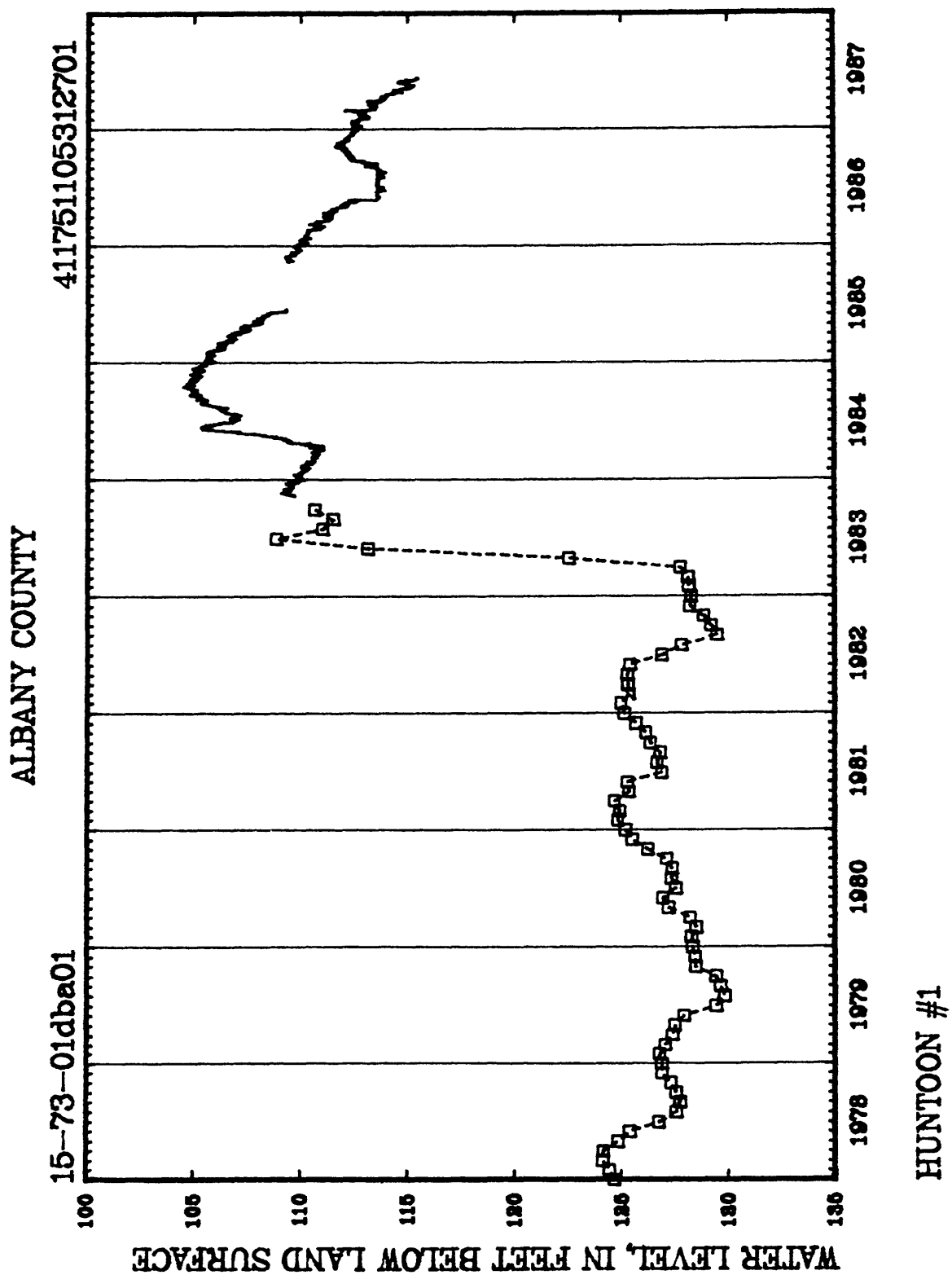


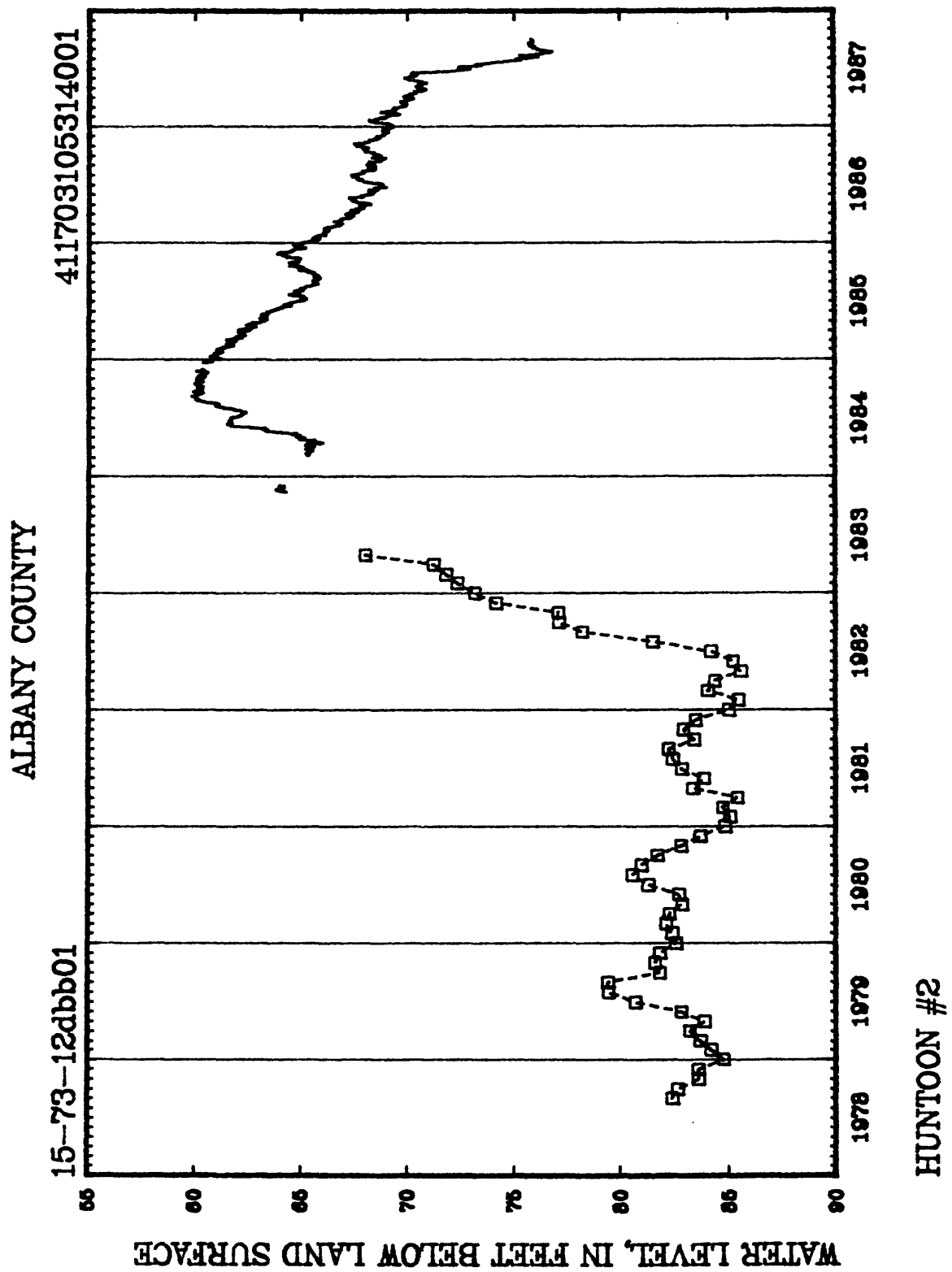
Figure 2.--Location of observation wells in Albany County, Wyoming.

Records of observation wells in Albany County, Wyoming, and highest and lowest recorded water levels, in feet below land surface.

Well number	Well depth (ft)	Use of water	Geologic source	Record available (yr)	Water levels			
					Highest		Lowest	
					Level (ft)	Month-year	Level (ft)	Month-year
15-73-01dba01	182	S	317CSPR	1977-87	104.45	10-84	¹ 129.80	08-79
15-73-12dbb01	243	S	317CSPR	1978-87	59.84	09-84	¹ 85.56	05-82

¹ From hand-measured data





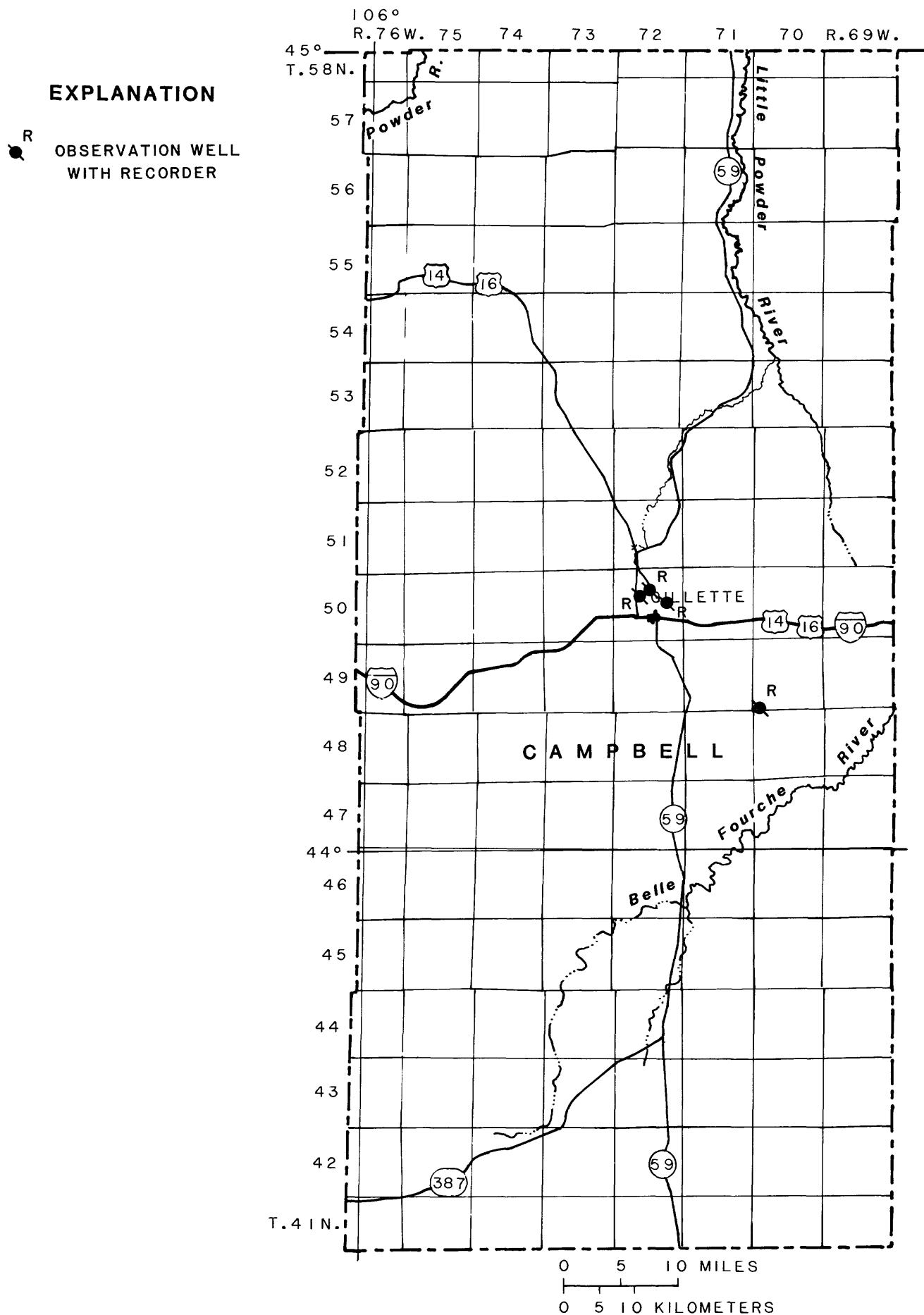
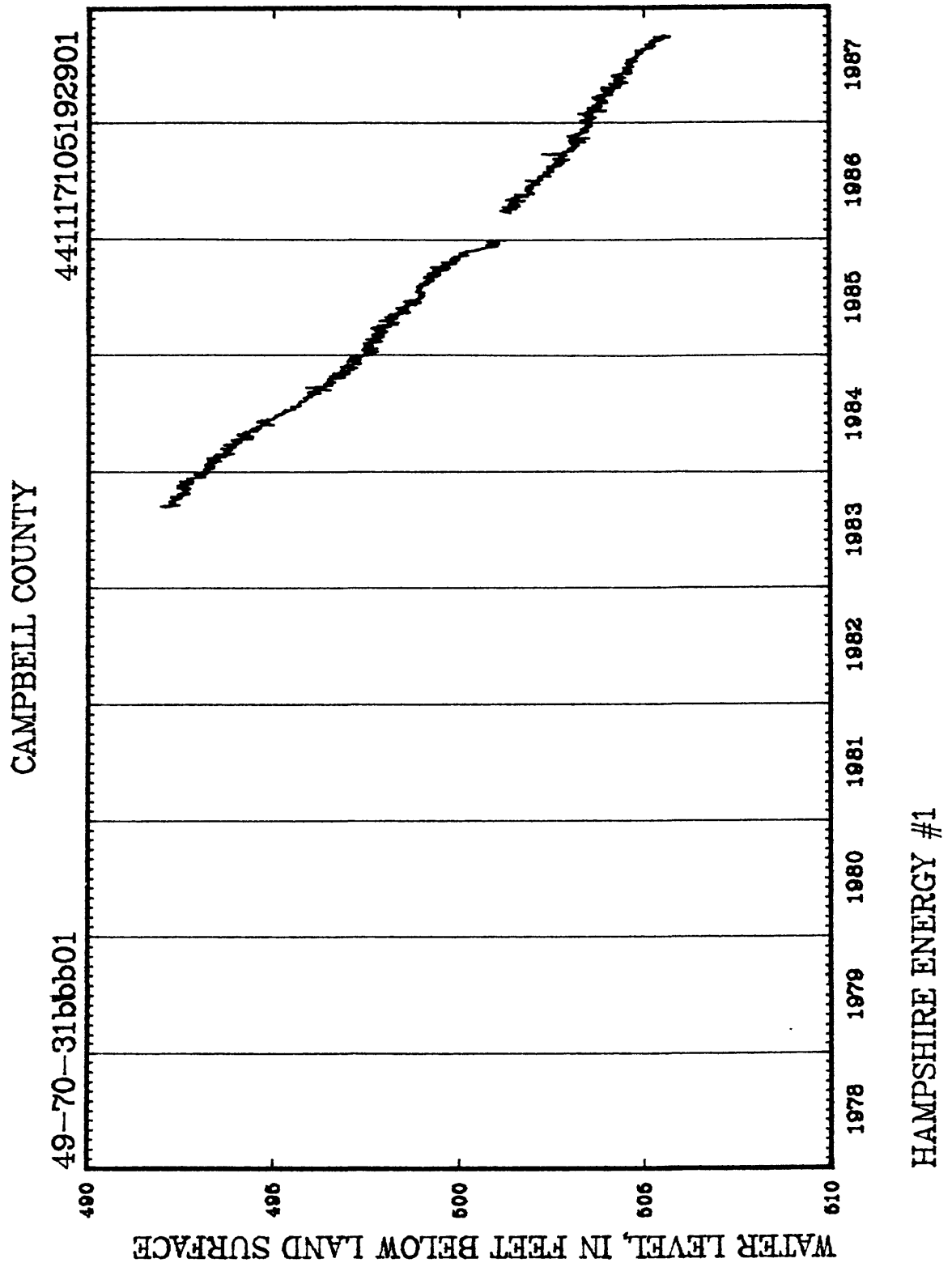


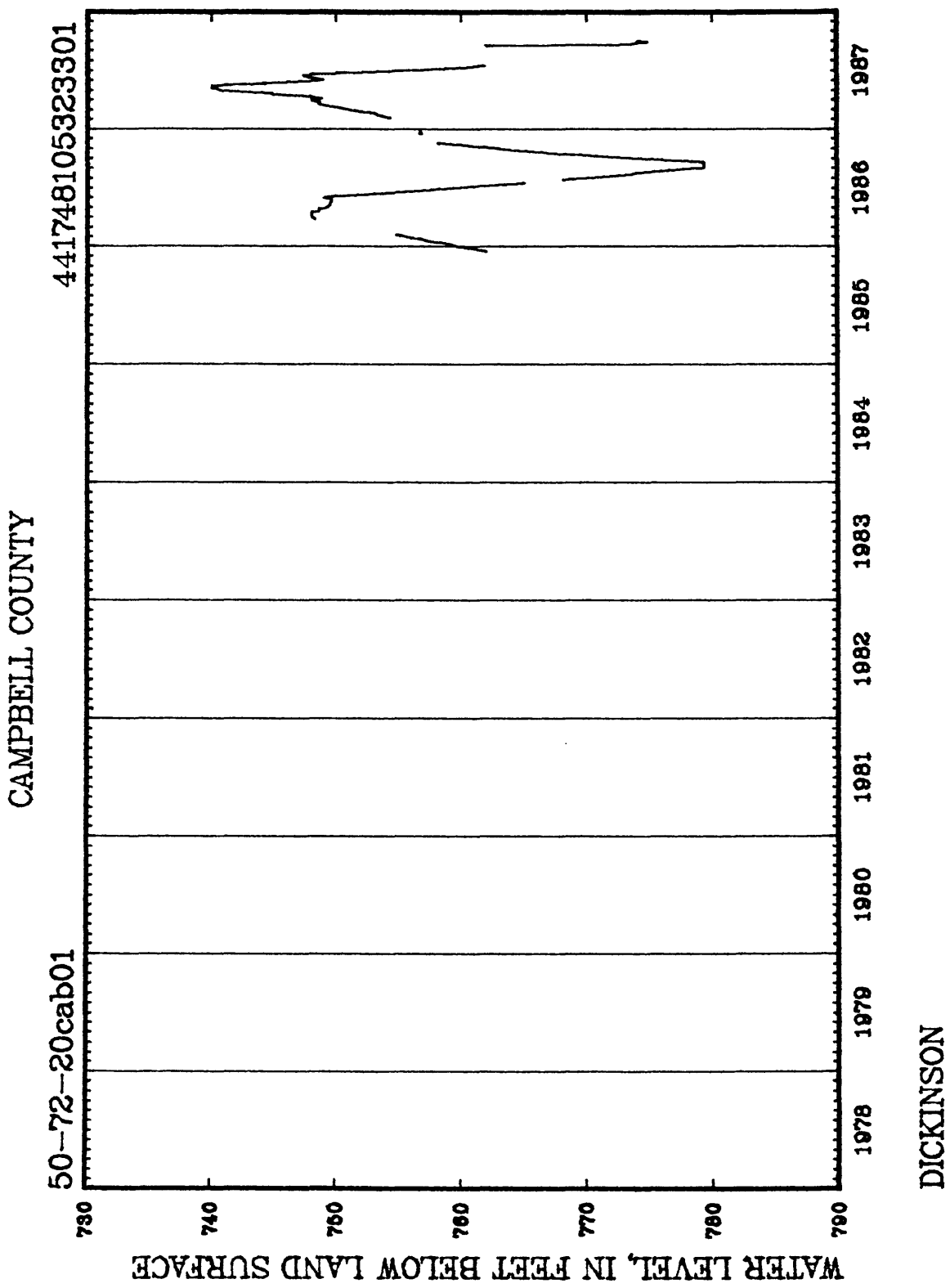
Figure 3.--Location of observation wells in Campbell County, Wyoming.

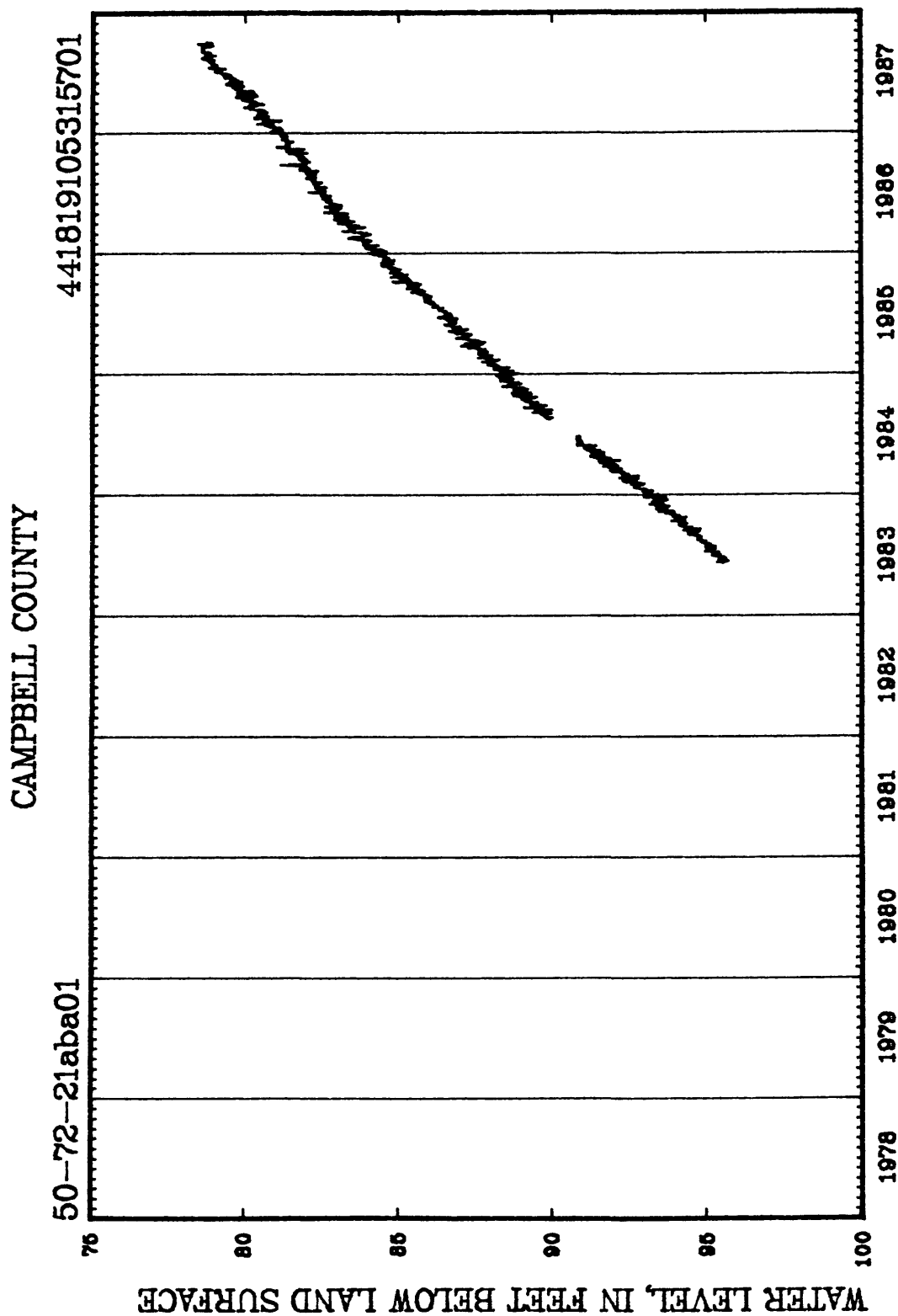
Records of observation wells in Campbell County, Wyoming, and highest and lowest recorded water levels, in feet below land surface.

Well number	Well depth (ft)	Use of water	Geologic source	Record available (yr)	Water levels			
					Highest		Lowest	
					Level (ft)	Month-year	Level (ft)	Month-year
49-70-31bbb01	3,754	U	211FXHL	1983-87	491.98	09-83	505.73	09-87
50-72-20cab01	1,255	U	125LEB0	1985-87	739.99	05-87	779.35	09-86
50-72-21aba01	320	P	124WSTC	1983-87	78.47	09-87	95.71	06-83
50-72-22dba01	826	P	125LEB0	1985-87 ²	600.99	05-85	625.00	12-86, 02-87, 03-87, 04-87

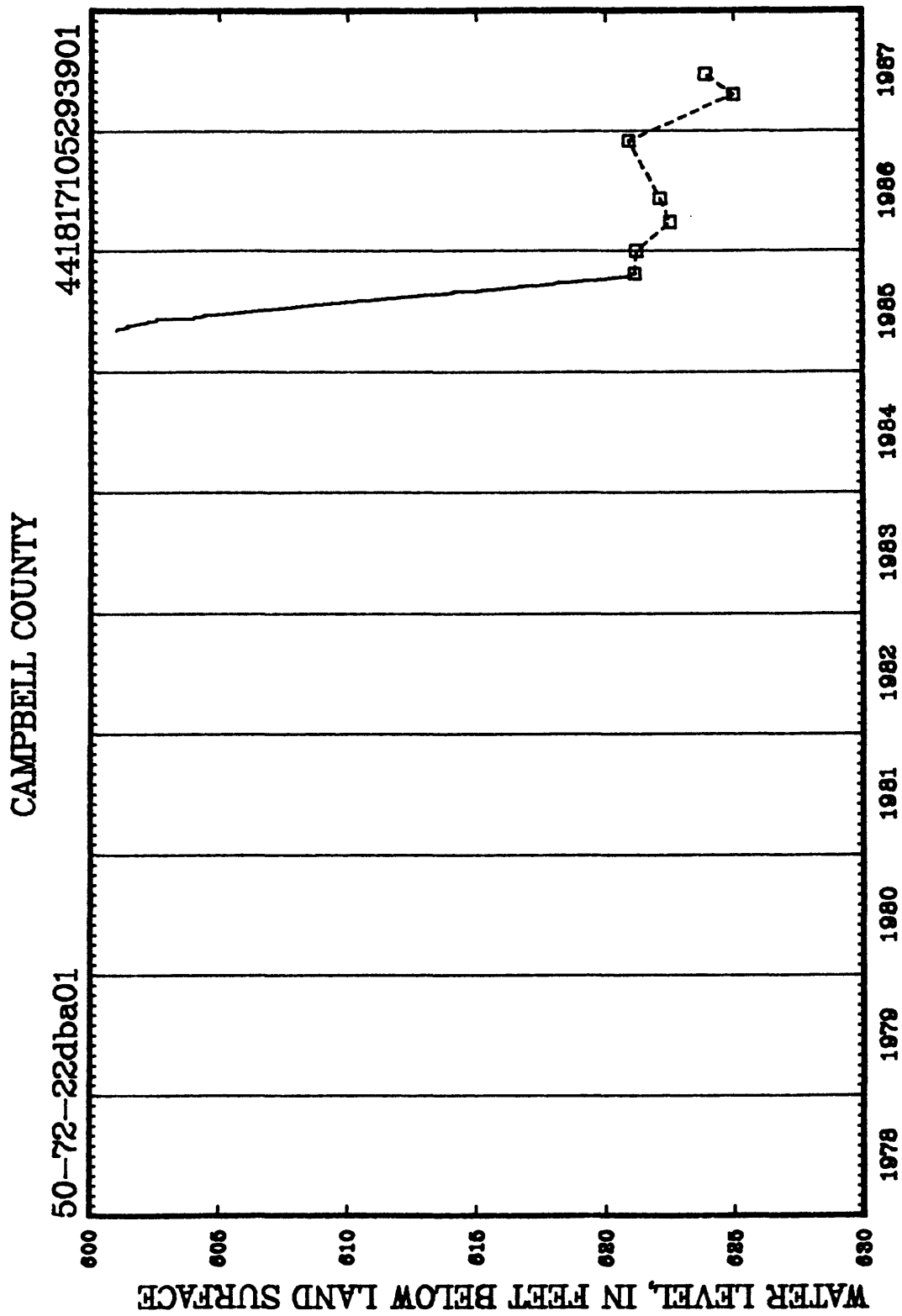
² Discontinued







GILLETTE H-13



GILLETTE S-8

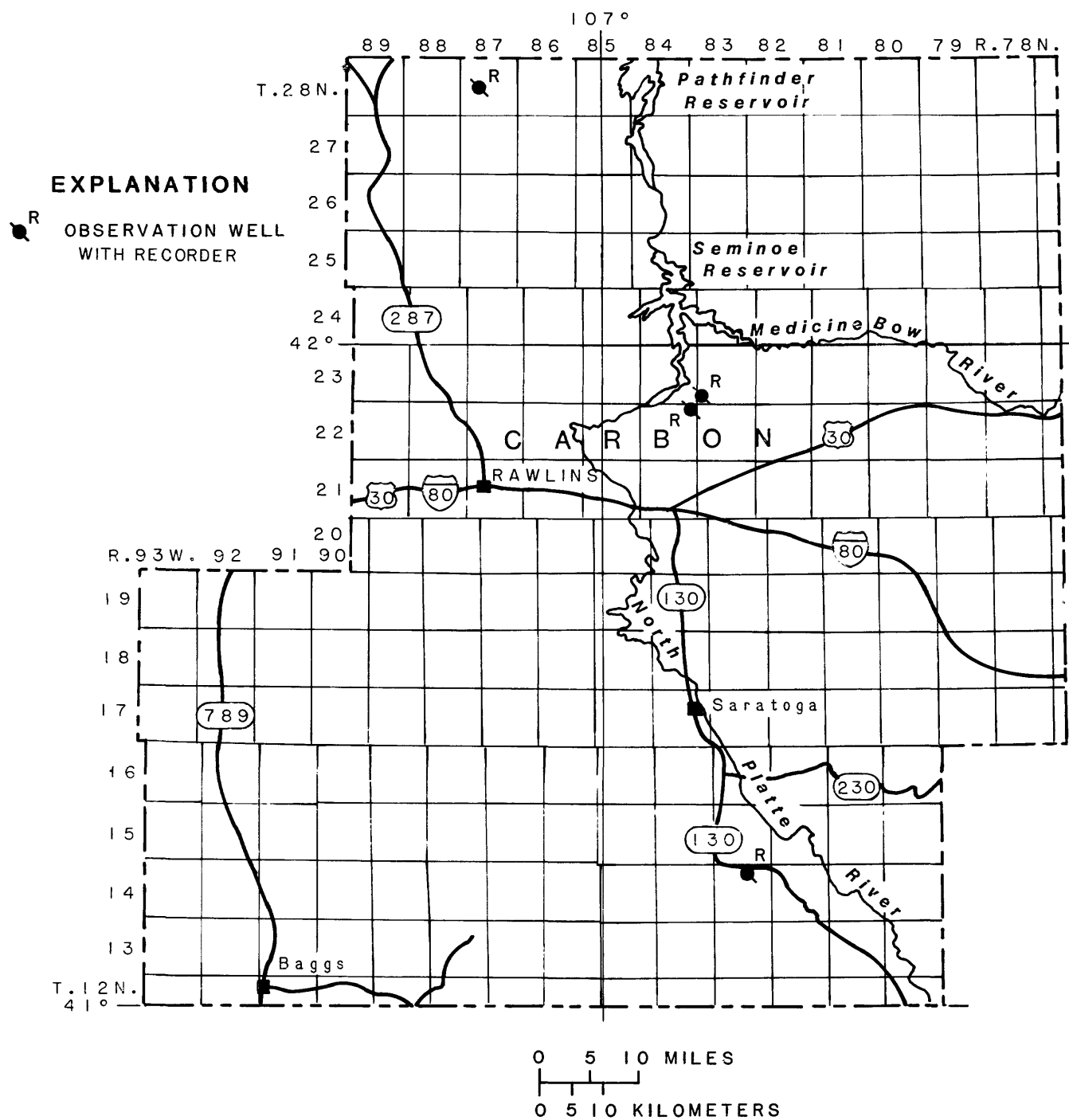
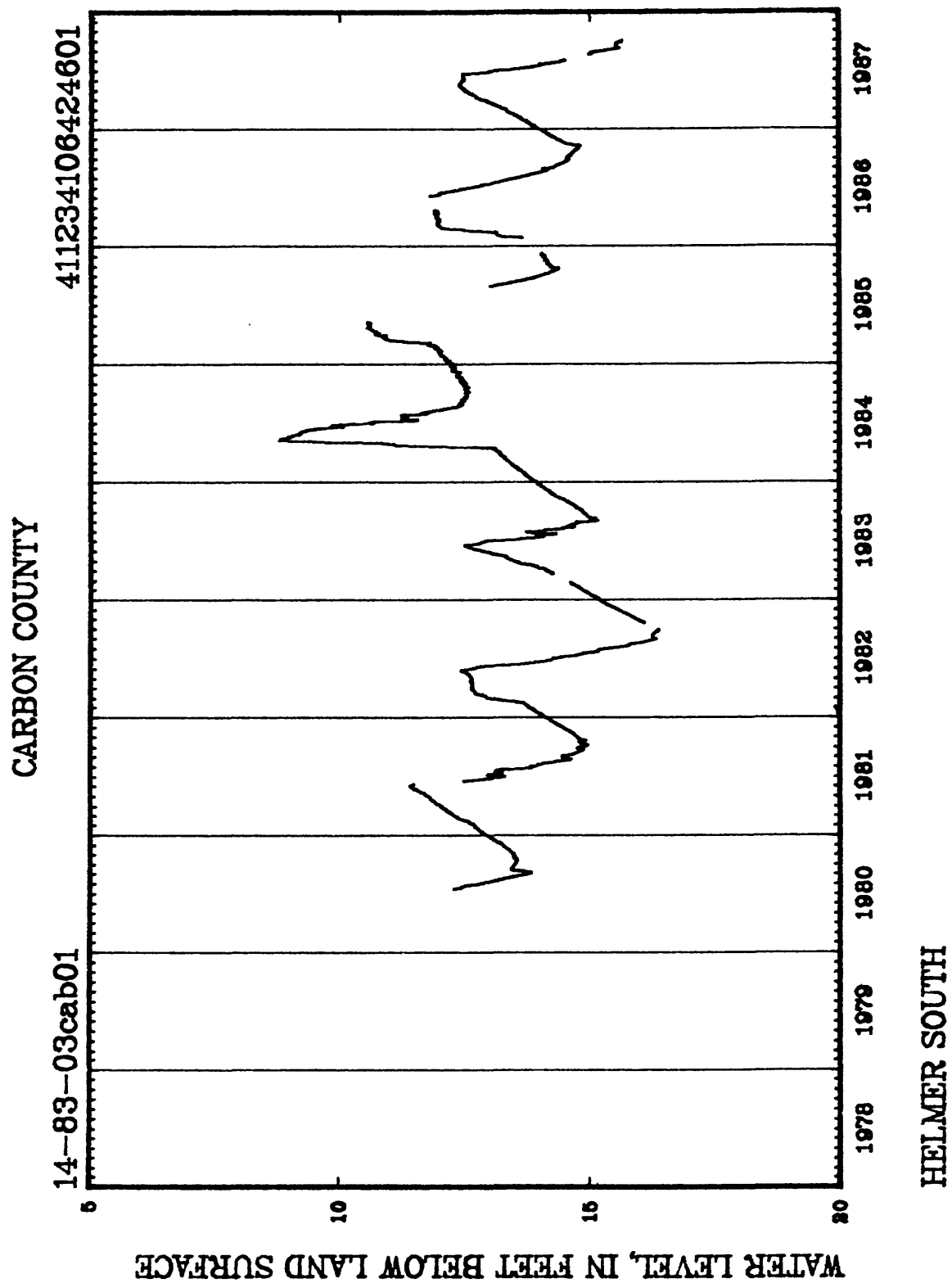


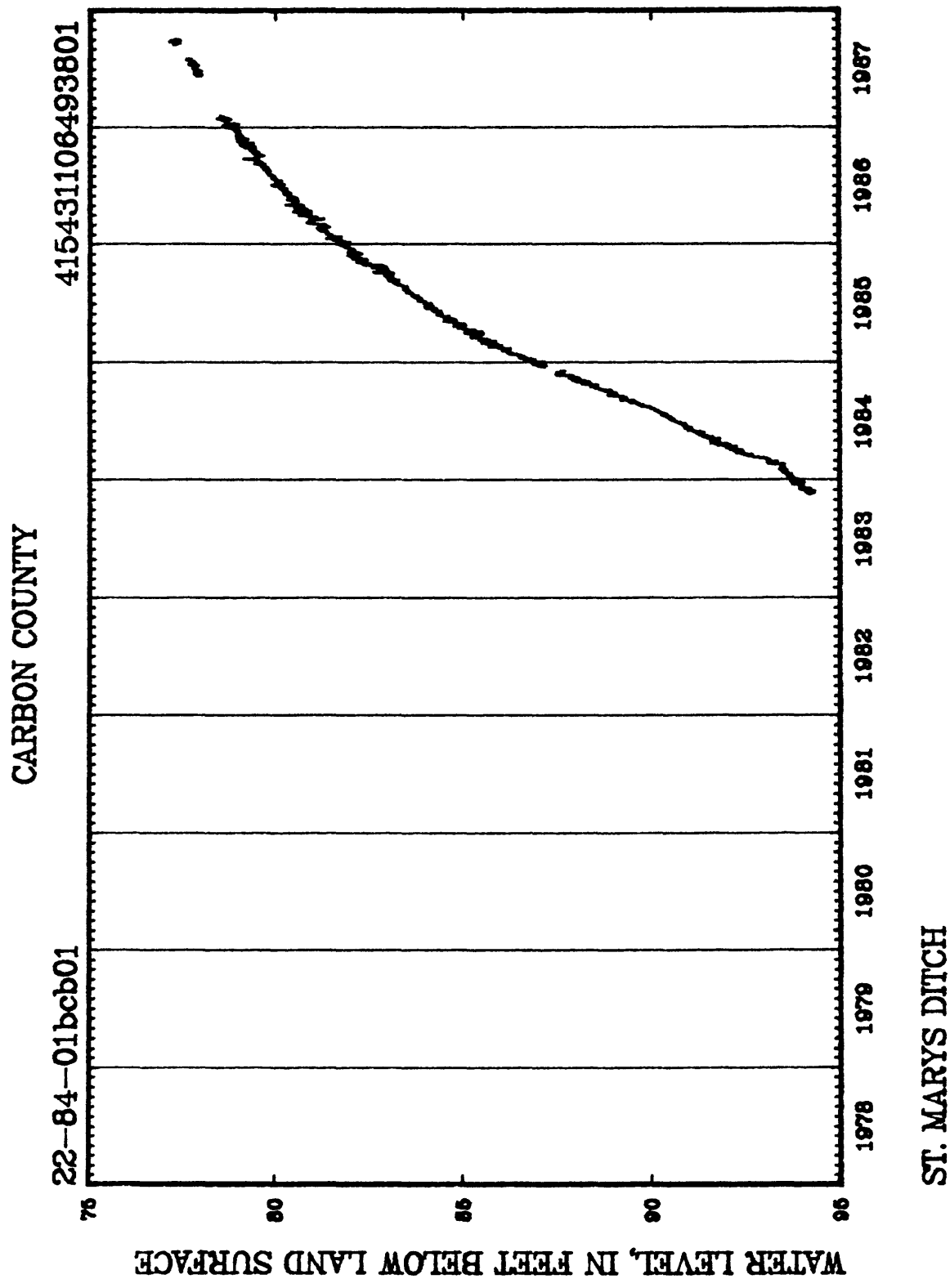
Figure 4.--Location of observation wells in Carbon County, Wyoming.

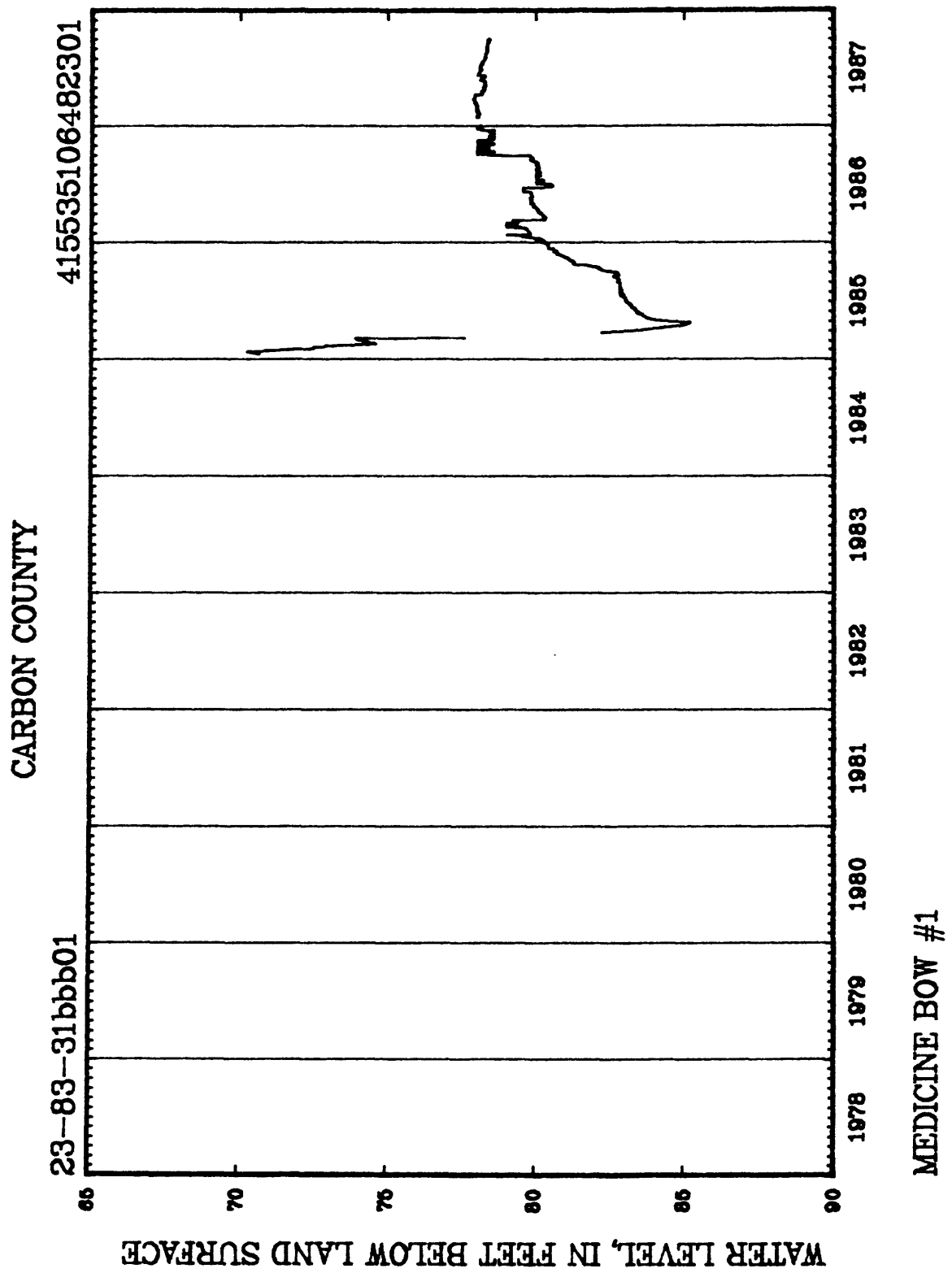
Records of observation wells in Carbon County, Wyoming, and highest and lowest recorded water levels, in feet below land surface.

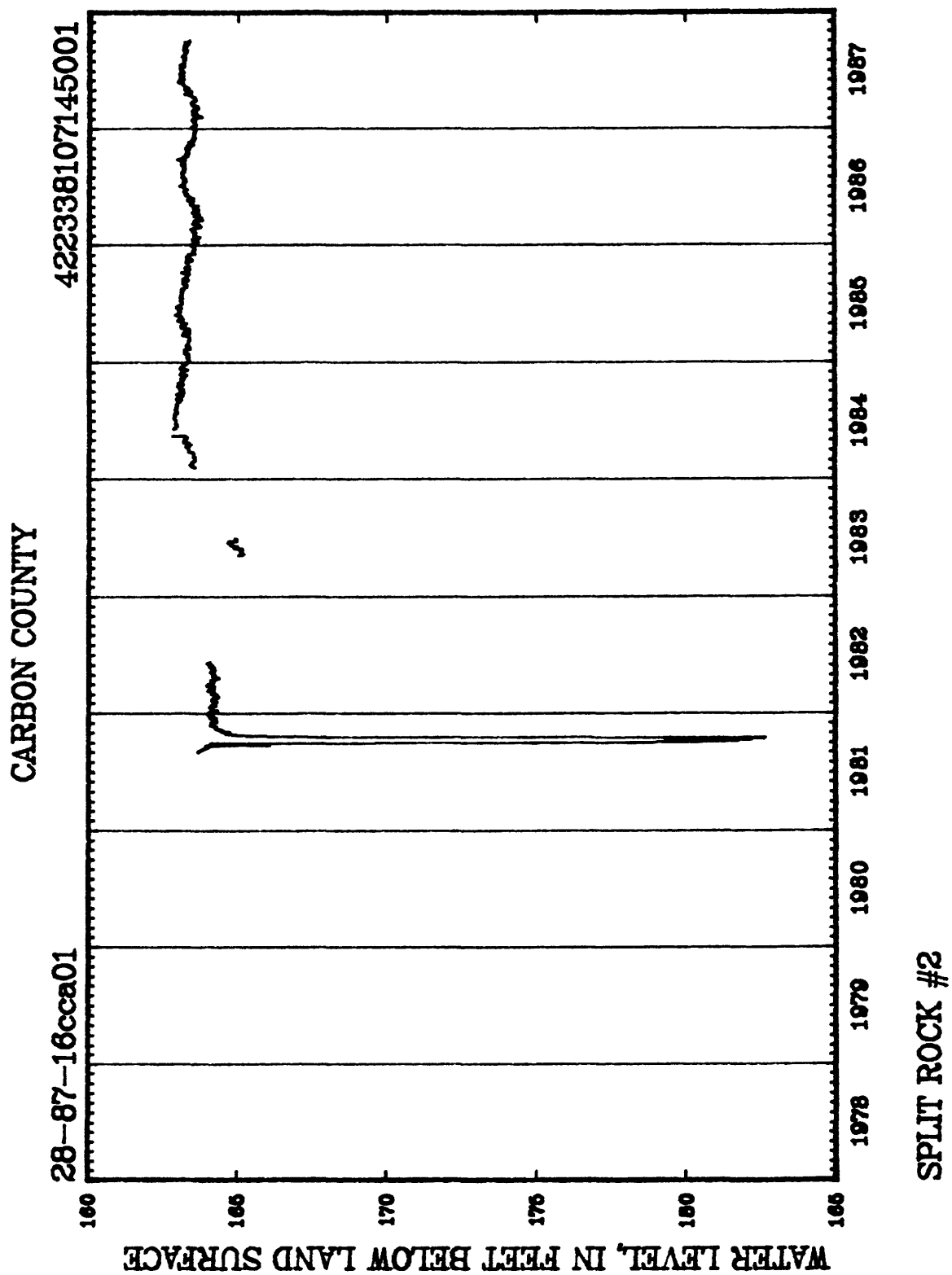
Well number	Well depth (ft)	Use of water	Geologic source	Record available (yr)	Water levels			
					Highest		Lowest	
					Level (ft)	Month-year	Level (ft)	Month-year
14-83-03cab01	58	I	121NRPK	1980-87	8.77	05-84	16.40	09-82
22-84-01bcb01	150	U	111SPBK	1983-87	77.17	09-87	94.33	11-83
23-83-31bbb01	140	U	125FRRS	1985-87	70.24	01-85	85.18	04-85
28-87-16cca01	812	U	122ARKR	1981-87	162.80	05-84	3182.66	10-81

³ Nearby well being pumped









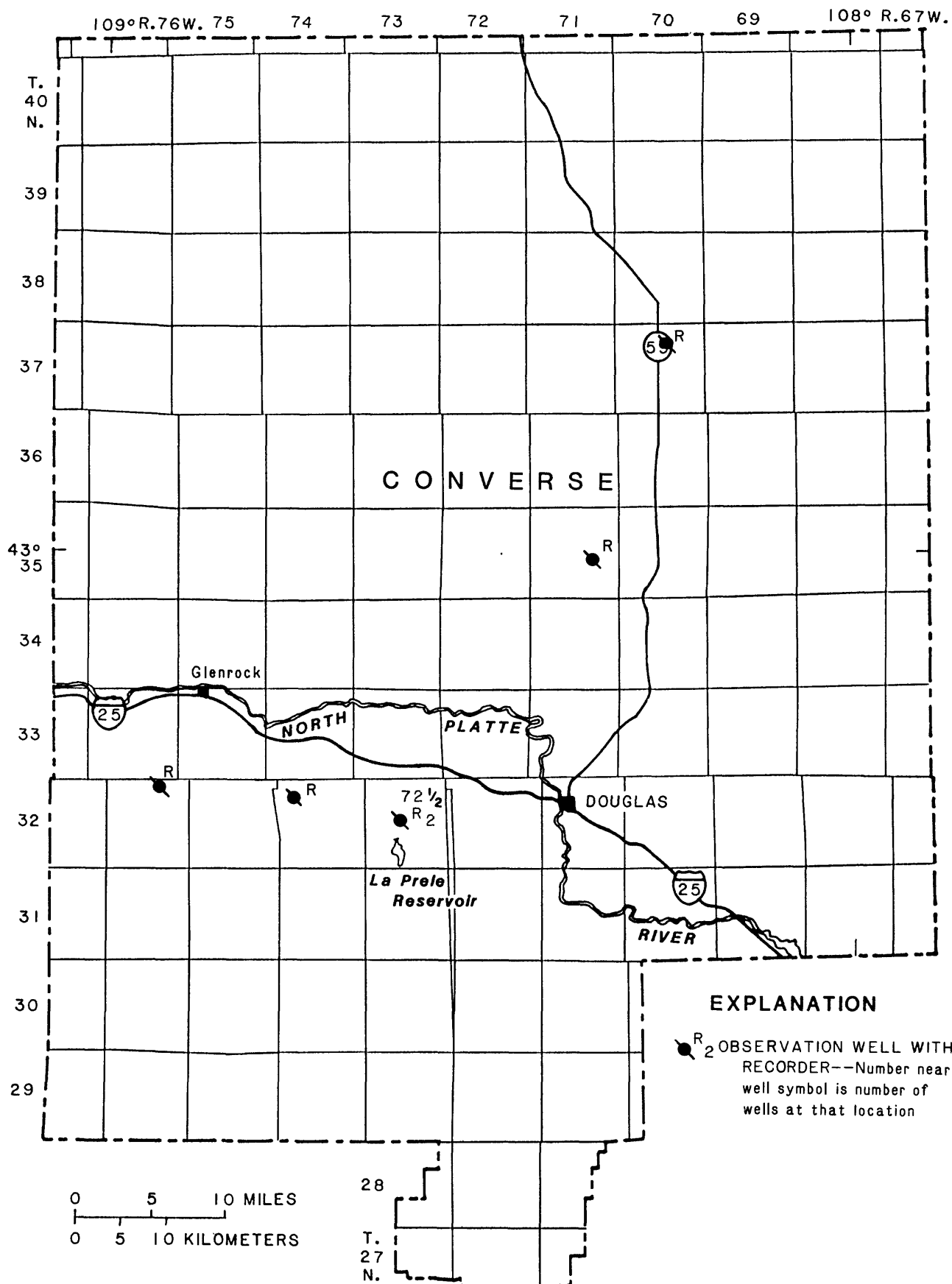
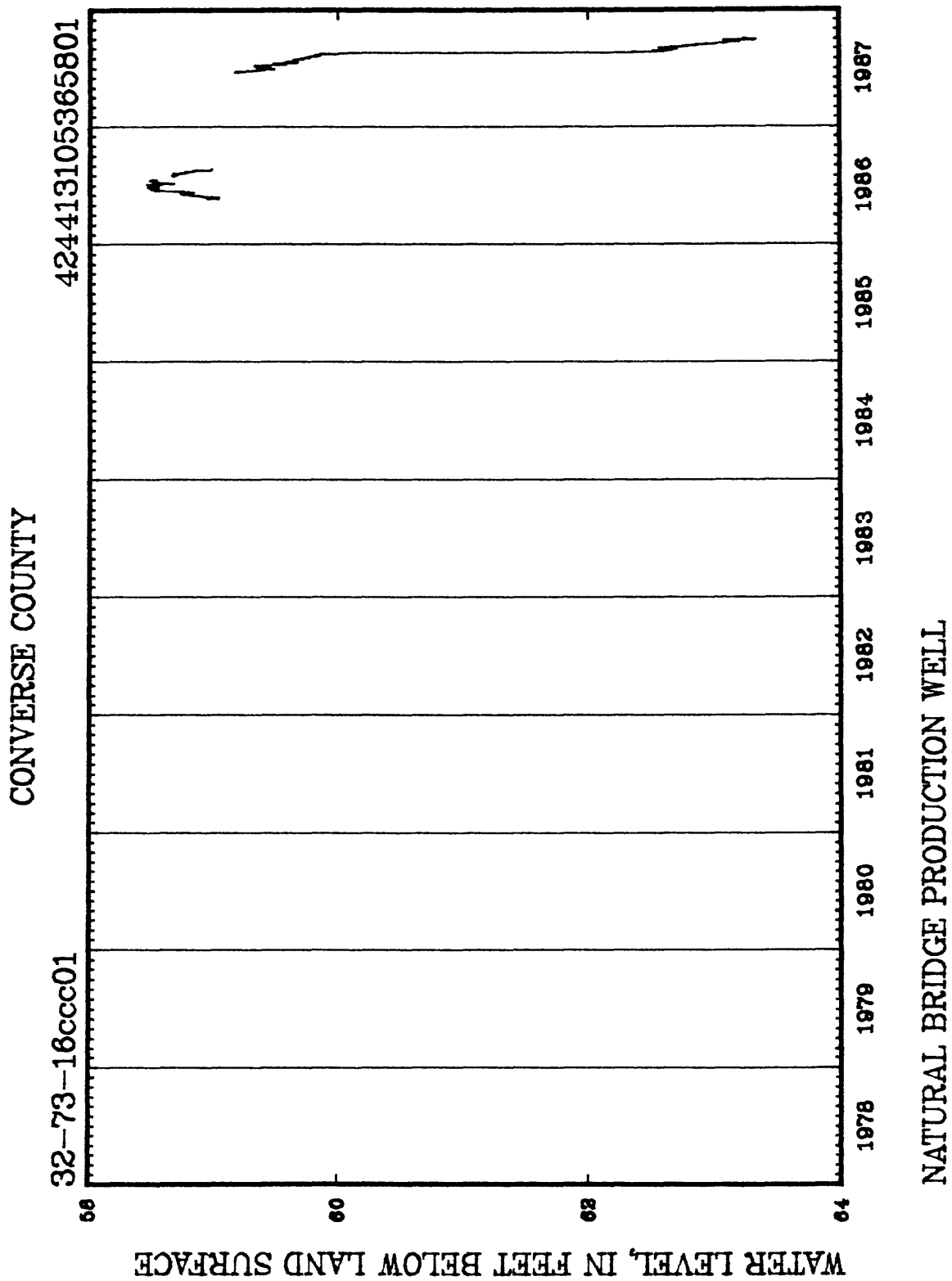


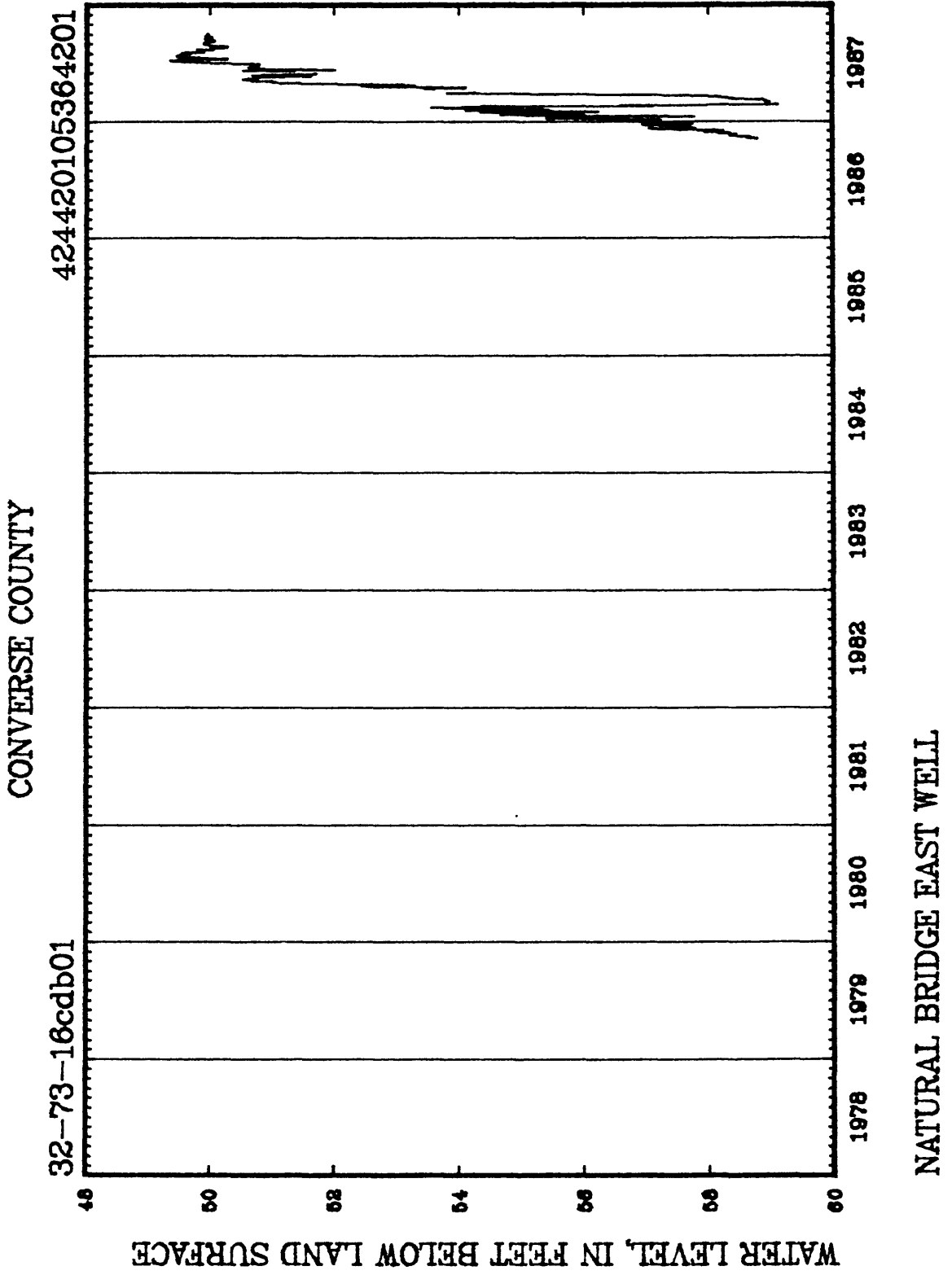
Figure 5.--Location of observation wells in Converse County, Wyoming.

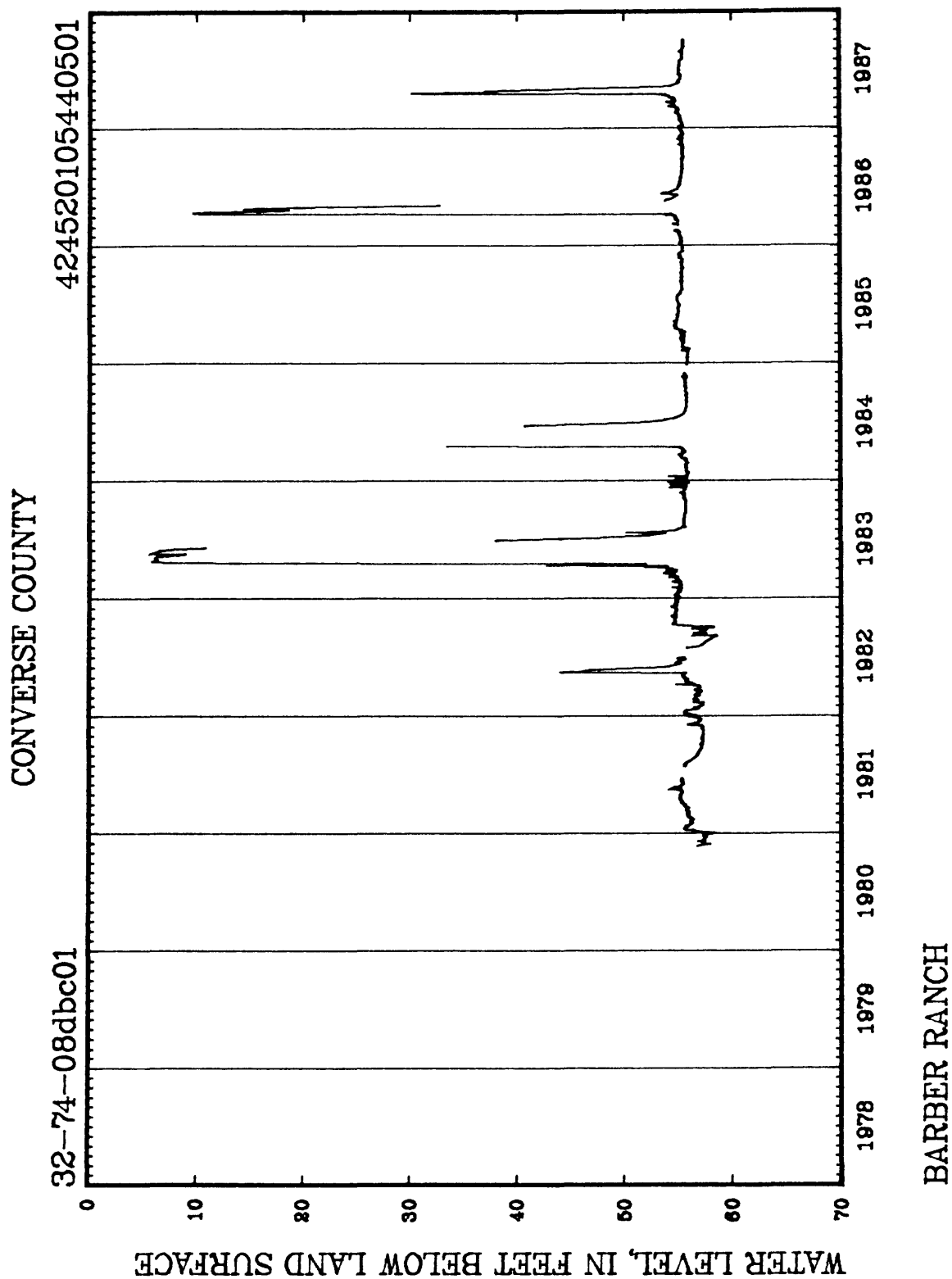
Records of observation wells in Converse County, Wyoming, and highest and lowest recorded water levels, in feet below land surface.

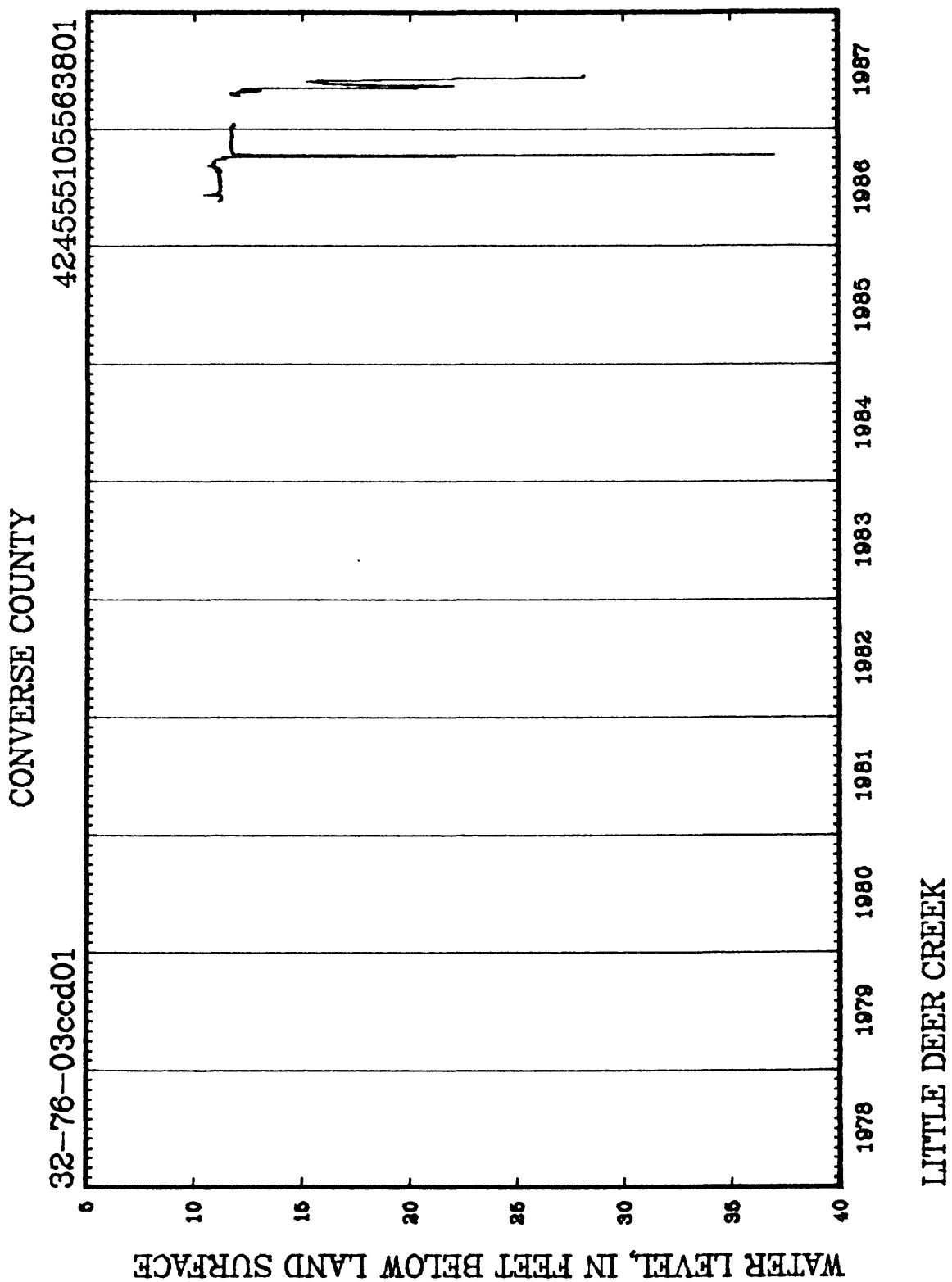
Well number	Well depth (ft)	Use of water	Geologic source	Record available (yr)	Water levels			
					Highest		Lowest	
					Level (ft)	Month-year	Level (ft)	Month-year
32-73-16ccc01	902	U	317CSPR	1986-87	58.45	07-86	63.34	09-87
32-73-16cdb01	220	U	317CSPR	1986-87	49.35	07-87	59.12	02-87
32-74-08dbc01	100	U	331MDSN	1980-87	5.51	05-83	58.50	09-82
32-76-03ccd01	490	U	317CSPR	1986-87 ²	10.39	06-86	37.06	10-86
35-71-23ccd01	6,330	U	211FXHL	1986-87	707.09	01-87	707.91	09-86
37-70-10cbb01	268	U	124WSTC	1986-87	18.85	04-87	23.80	08-87

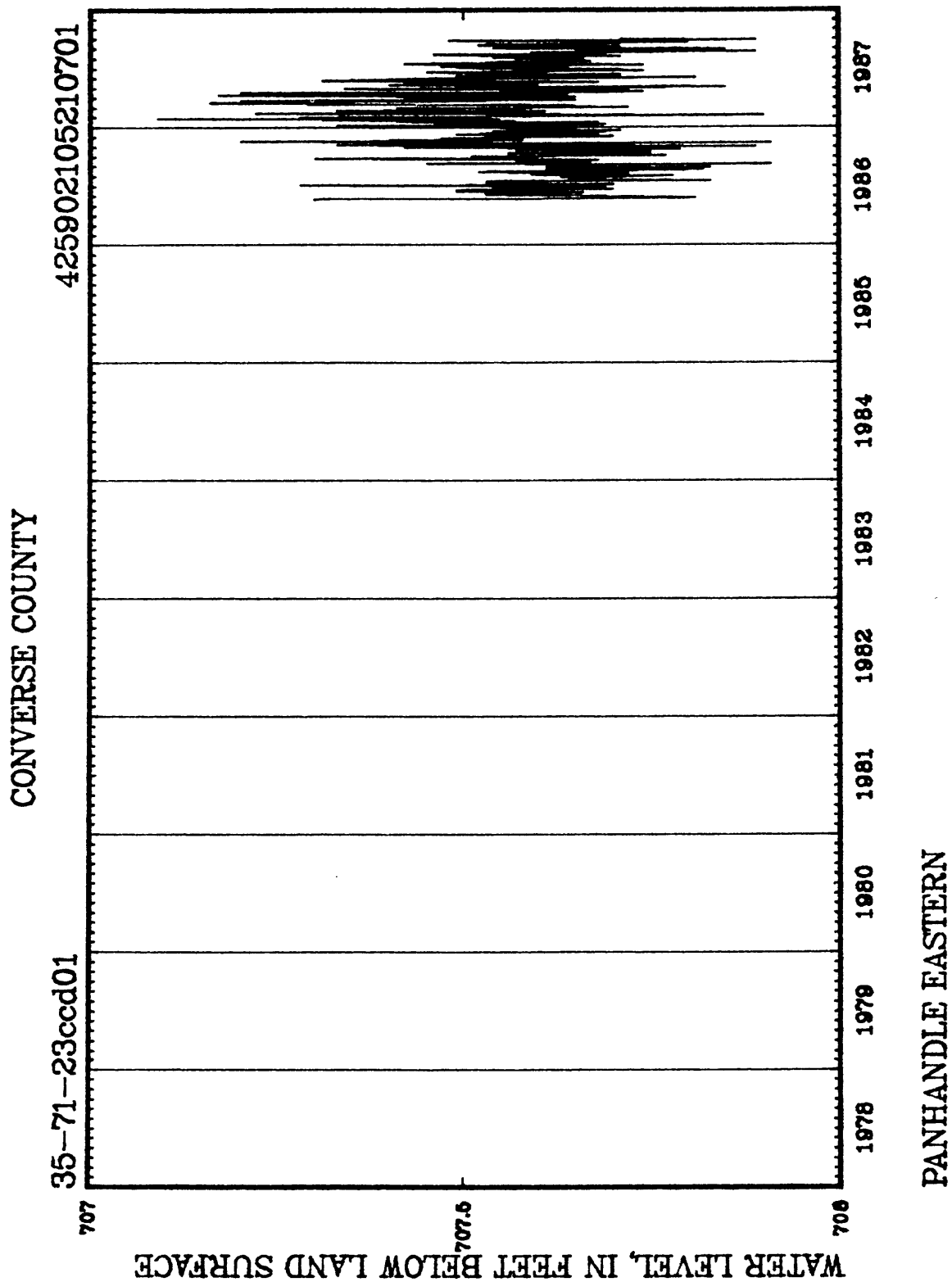
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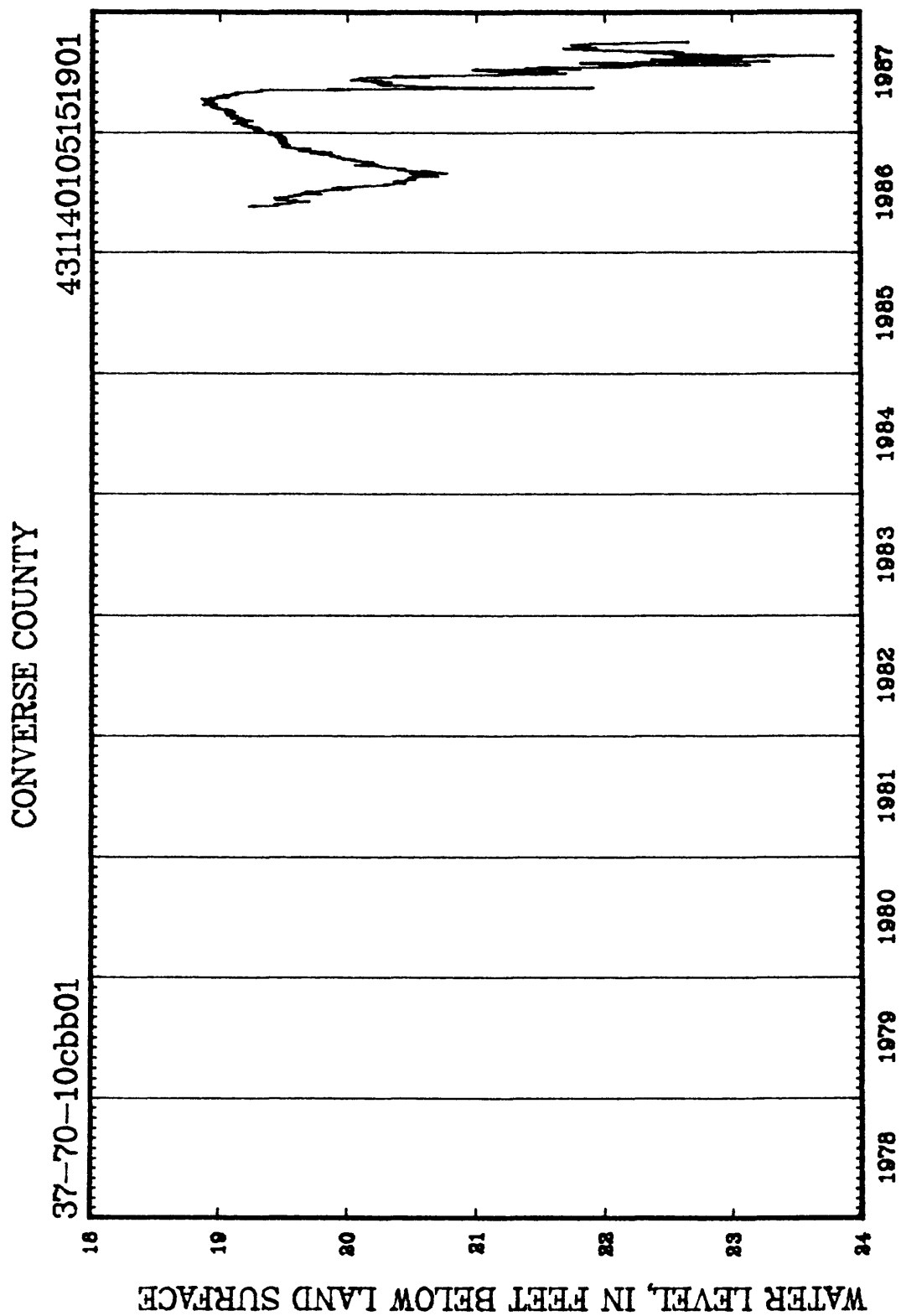












BILL #6

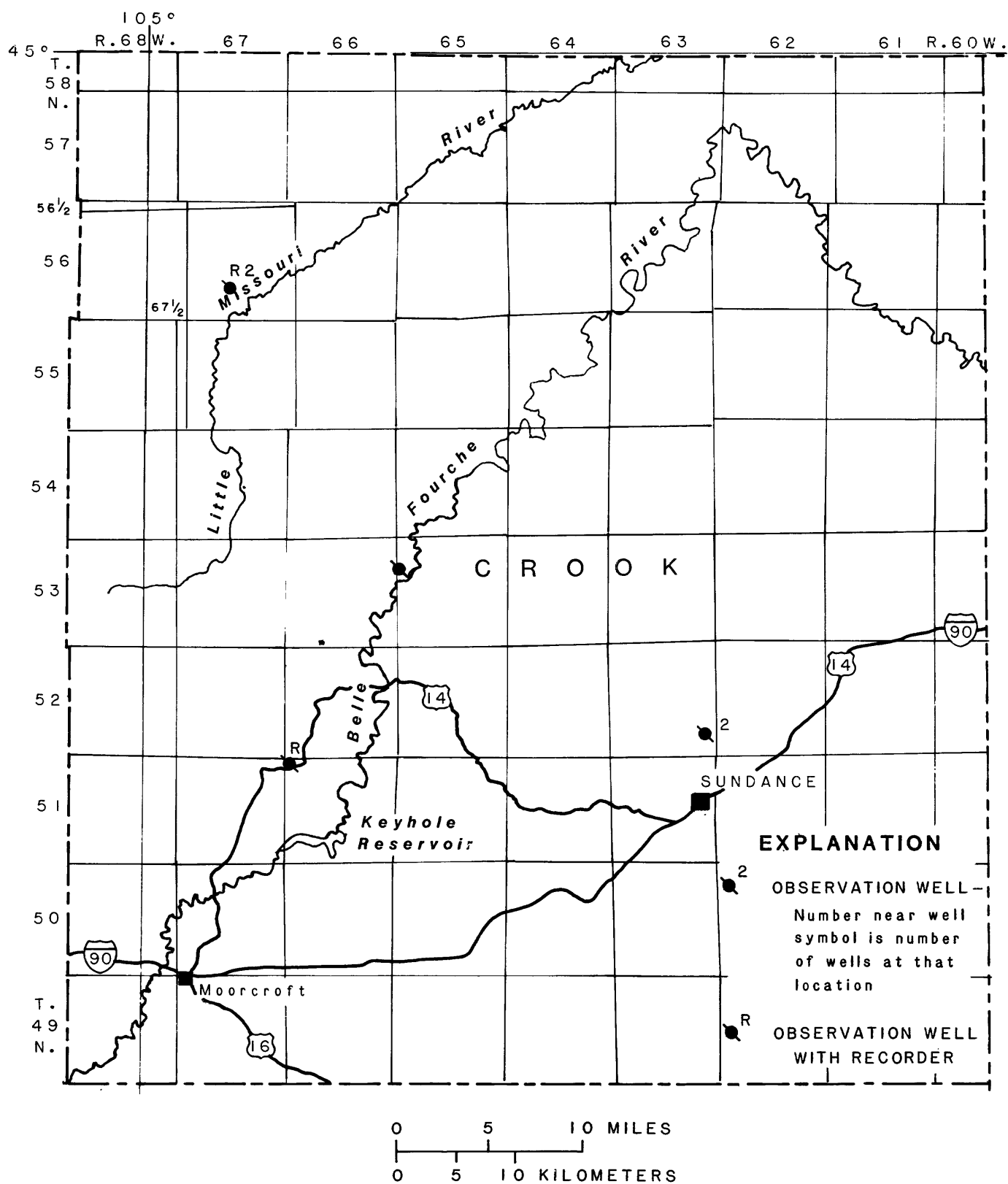


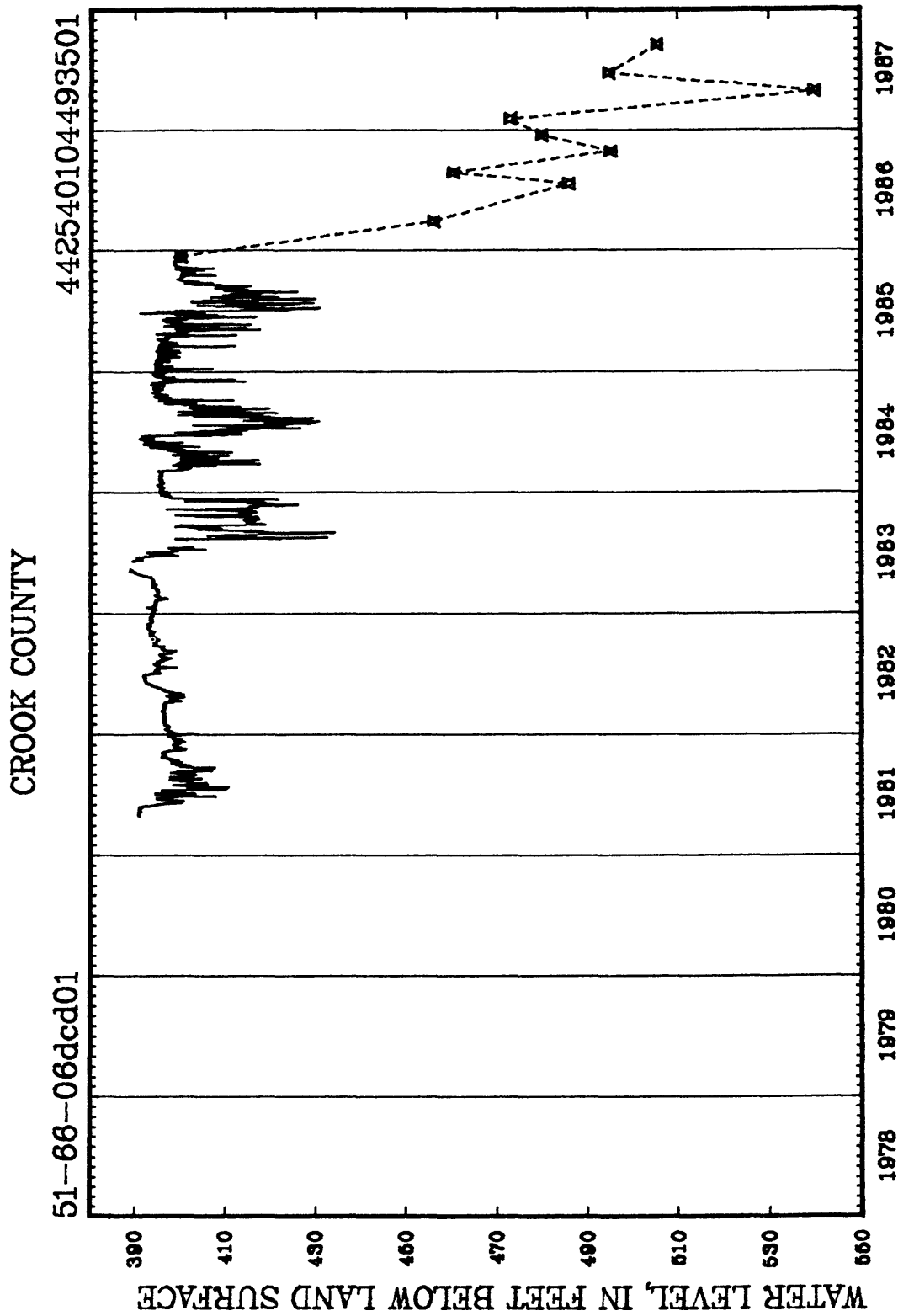
Figure 6.--Location of observation wells in Crook County, Wyoming.

Records of observation wells in Crook County, Wyoming, and highest and lowest recorded water levels, in feet below land surface.

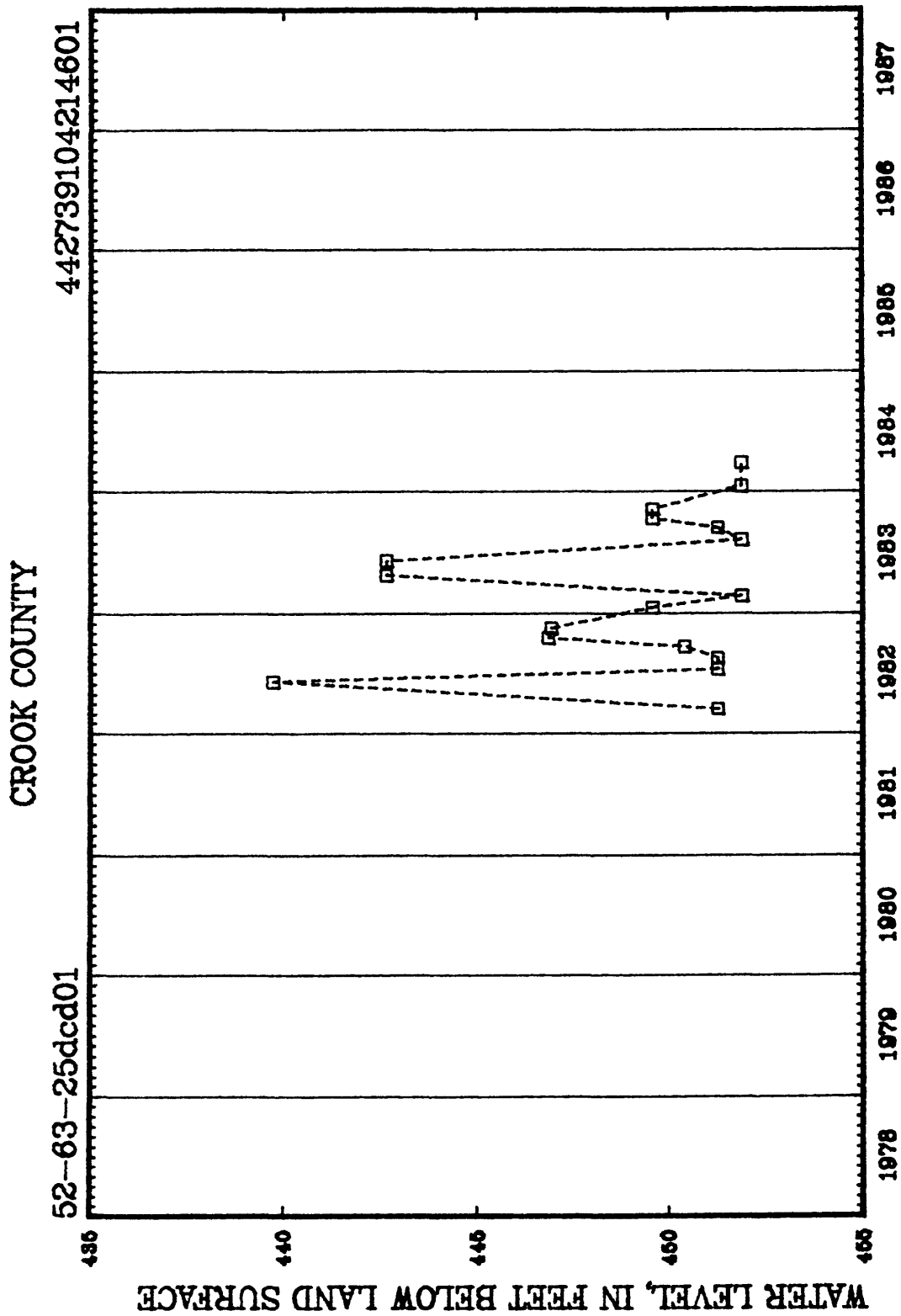
Well number	Well depth (ft)	Use of water	Geologic source	Record available (yr)	Water levels			
					Highest		Lowest	
					Level (ft)	Month-year	Level (ft)	Month-year
51-66-06dcd01	3,001	P	331MDSN	1981-87	388.66	05-83	1,4539.97	04-87
52-63-25dcd01	1,123	P	331MDSN	1982-84	1439.73	06-82	1,4451.89	02-83, 08-83, 01-84, 03-84
52-63-25dcd02	1,236	P	331MDSN	1984-87	1431.45	04-84	1,4572.36	08-84
53-65-18bbd02	1,341	P	337PHSP	1962-87	13.90	09-76	1,426.33	01-74
56-67-28aab01	3,320	U	331MDSN	1982-87	151.65	11-84	155.36	05-86
56-67-28aab02	2,240	U	331MDSN	1983-87	128.18	05-87	135.17	07-86

¹ From hand-measured data

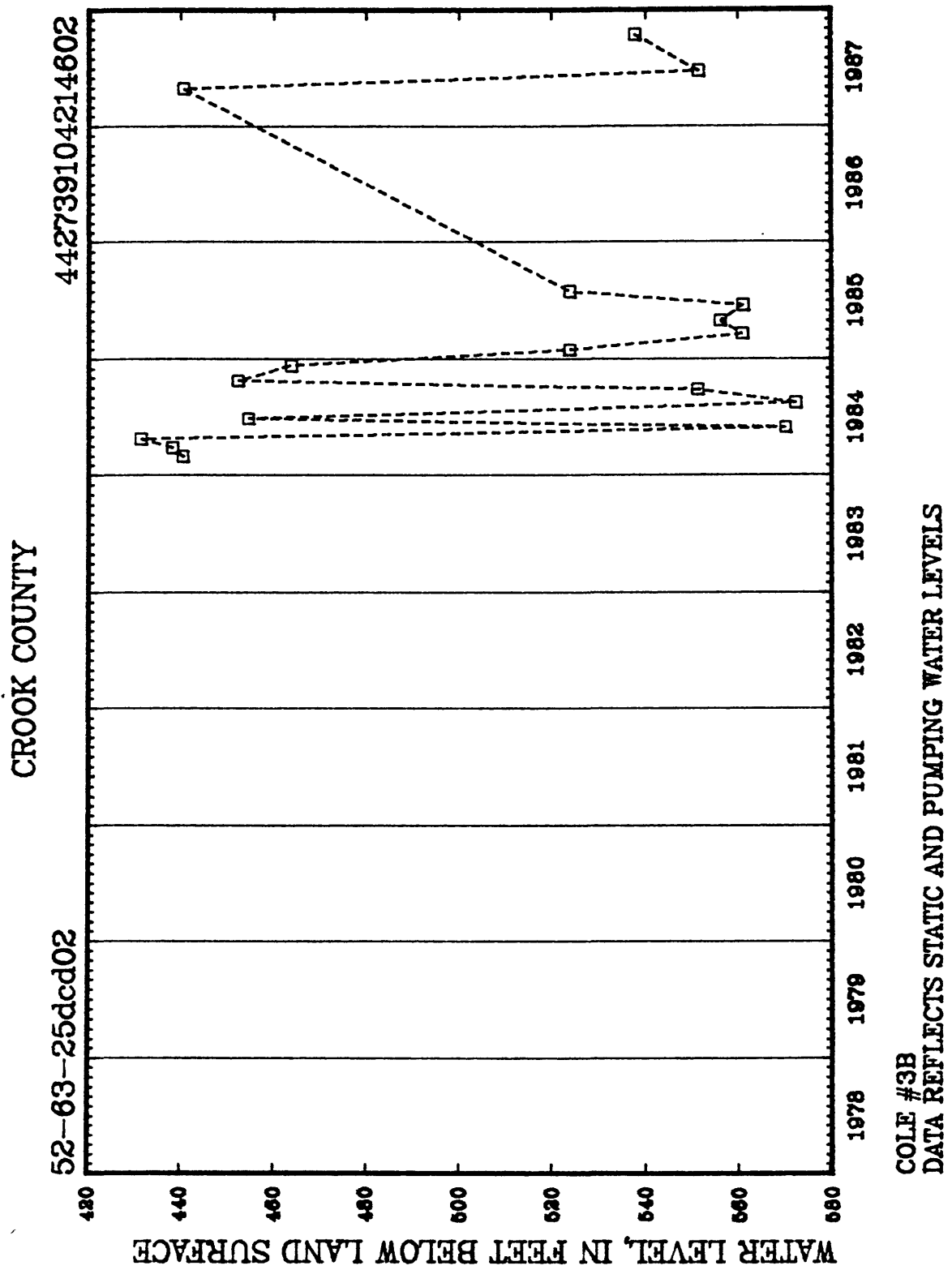
⁴ Well being pumped

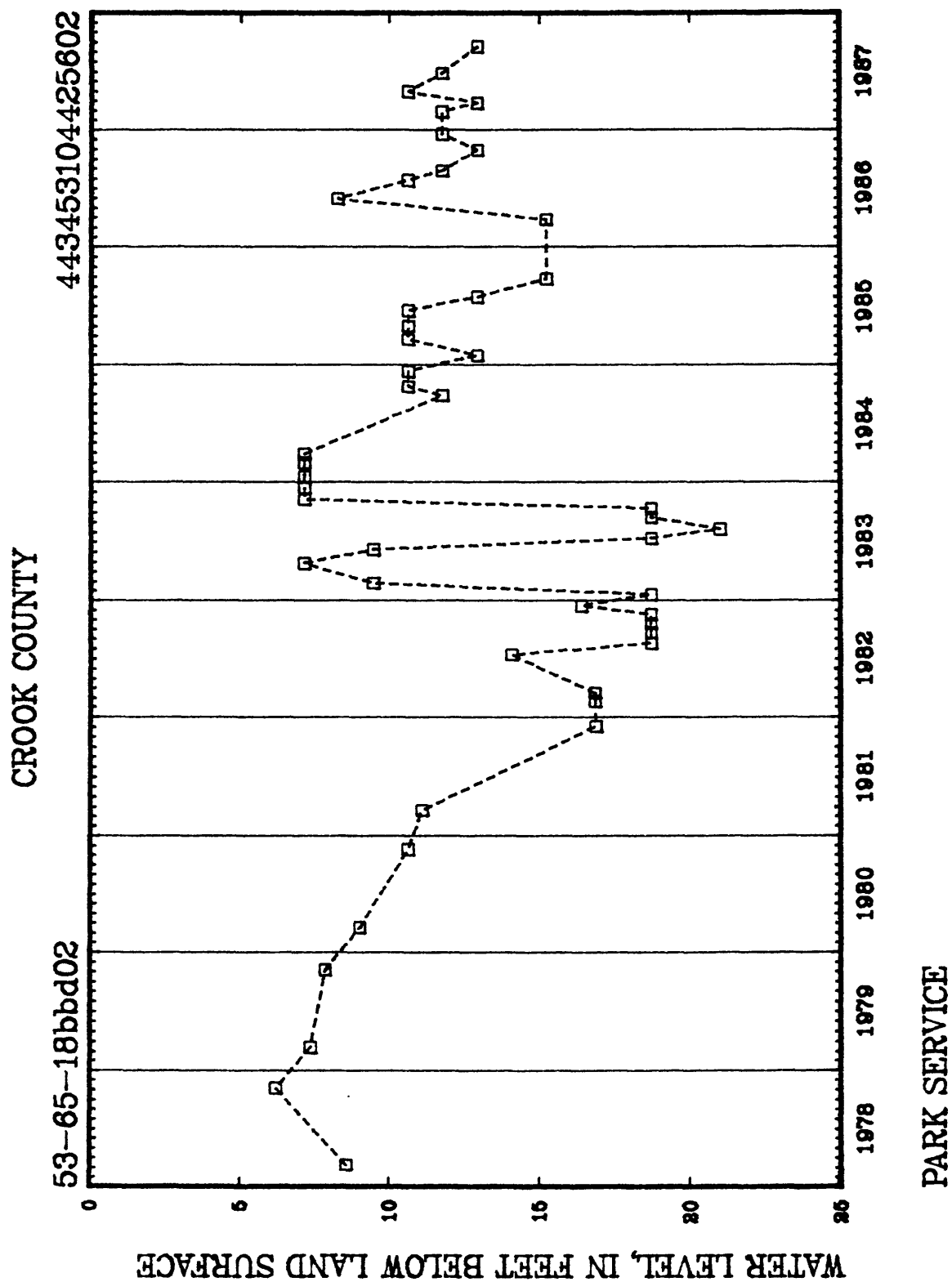


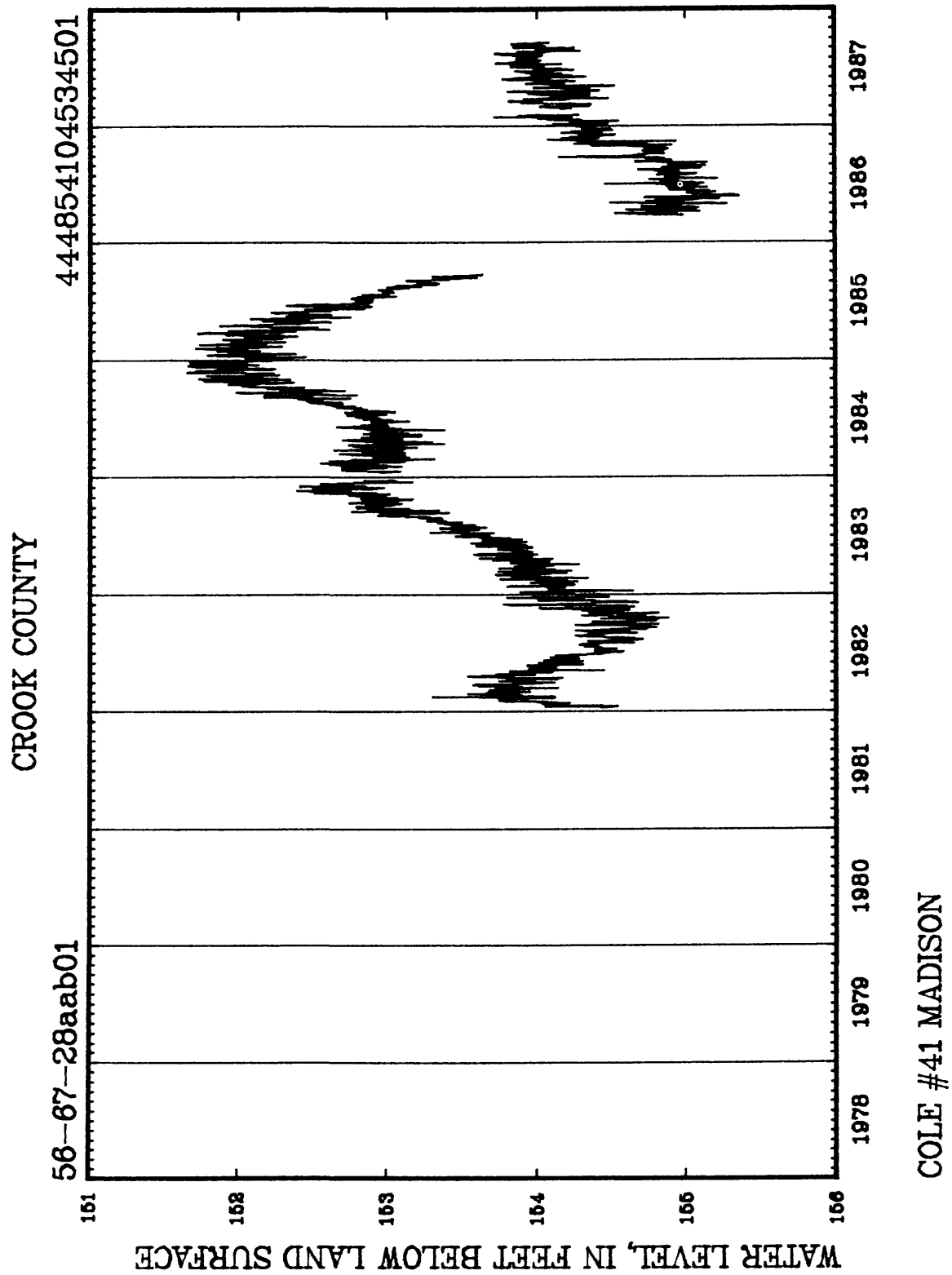
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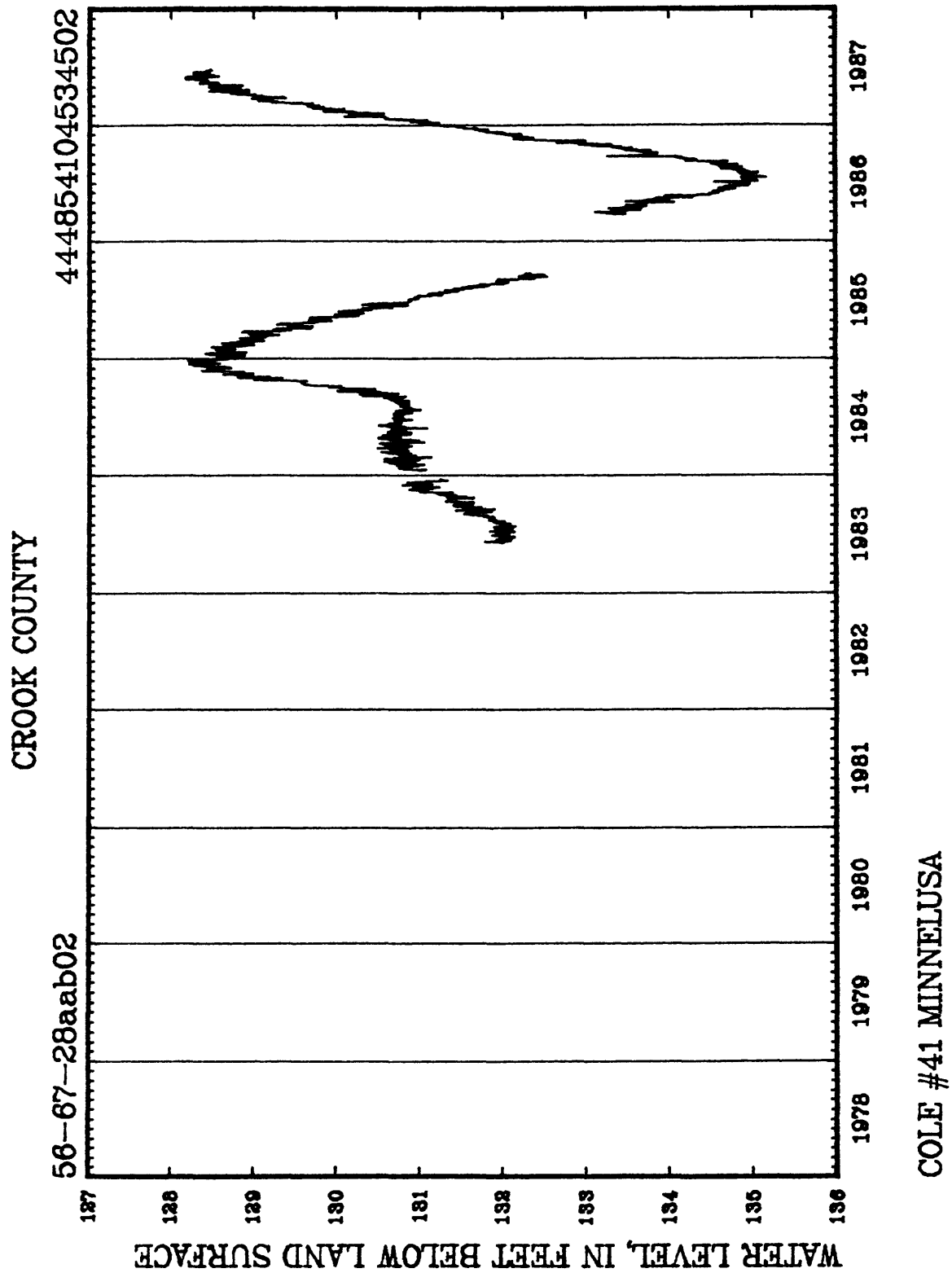


COLE #3A
DATA REFLECTS STATIC AND PUMPING WATER LEVELS









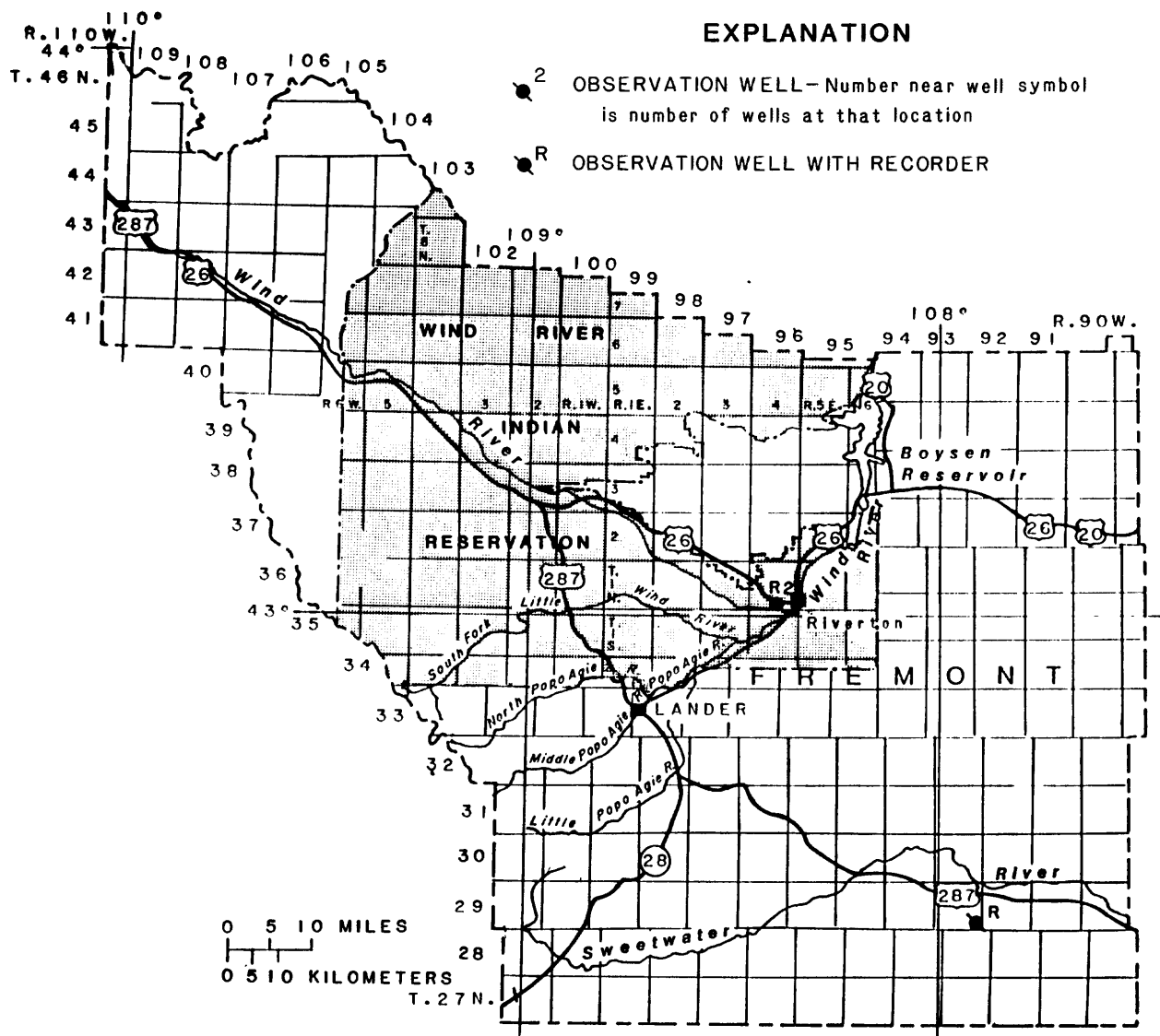


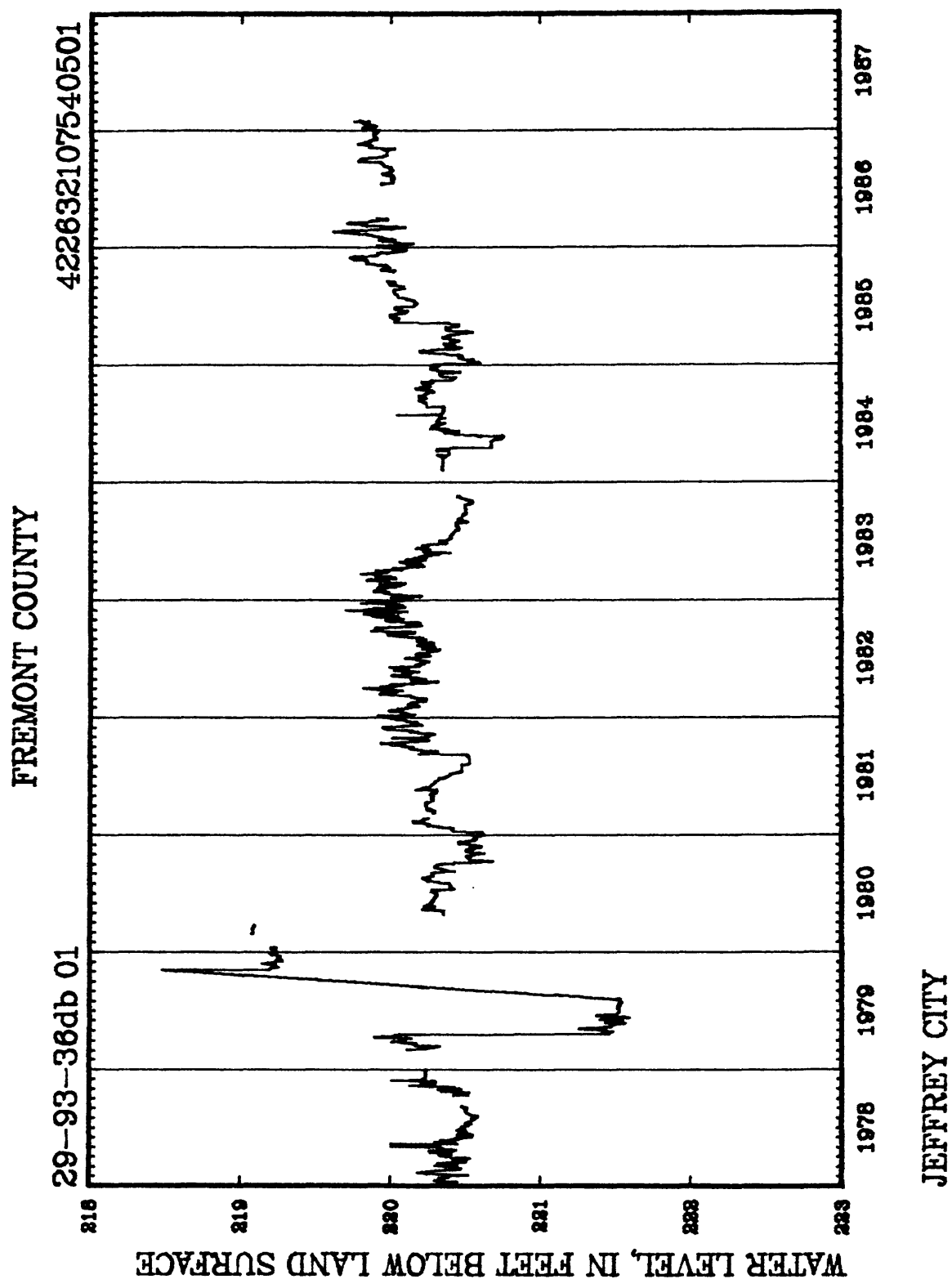
Figure 7.--Location of observation wells in Fremont County, Wyoming.

Records of observation wells in Fremont County, Wyoming, and highest and lowest recorded water levels, in feet below land surface.

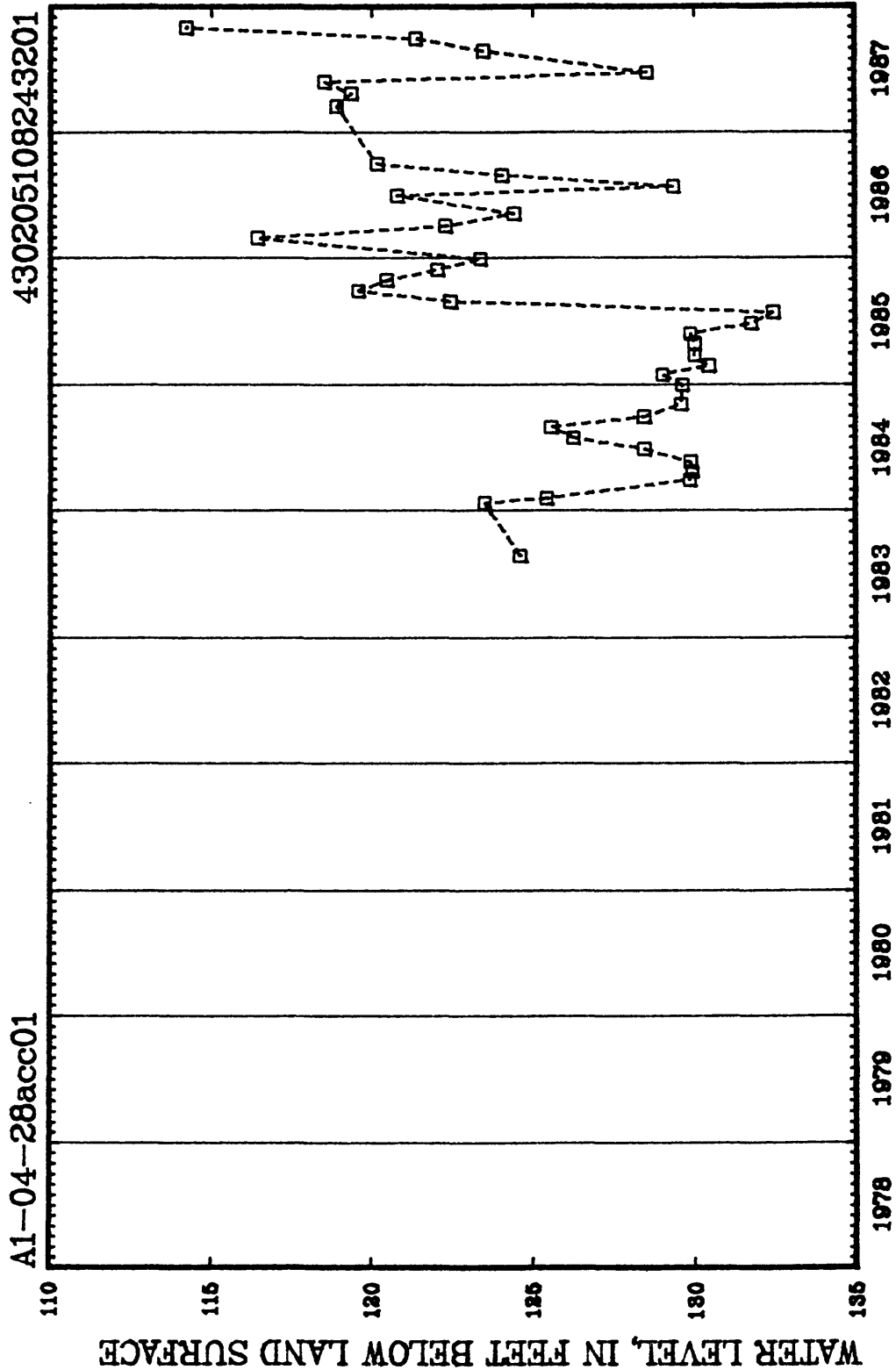
Well number	Well depth (ft)	Use of water	Geologic source	Record available (yr)	Water levels			
					Highest		Lowest	
					Level (ft)	Month-year	Level (ft)	Month-year
29-93-36db 01	1,000	U	122ARKR	1974-87 ²	218.48	11-79	221.95	05-76
A1-04-28acc01	440	U	124WDRV	1983-87	1114.22	10-87	1132.44	07-85
A1-04-33ddb01	435	U	124WDRV	1951, 1961-87 ²	29.51	03-51	152.43	09-62

1 From hand-measured data

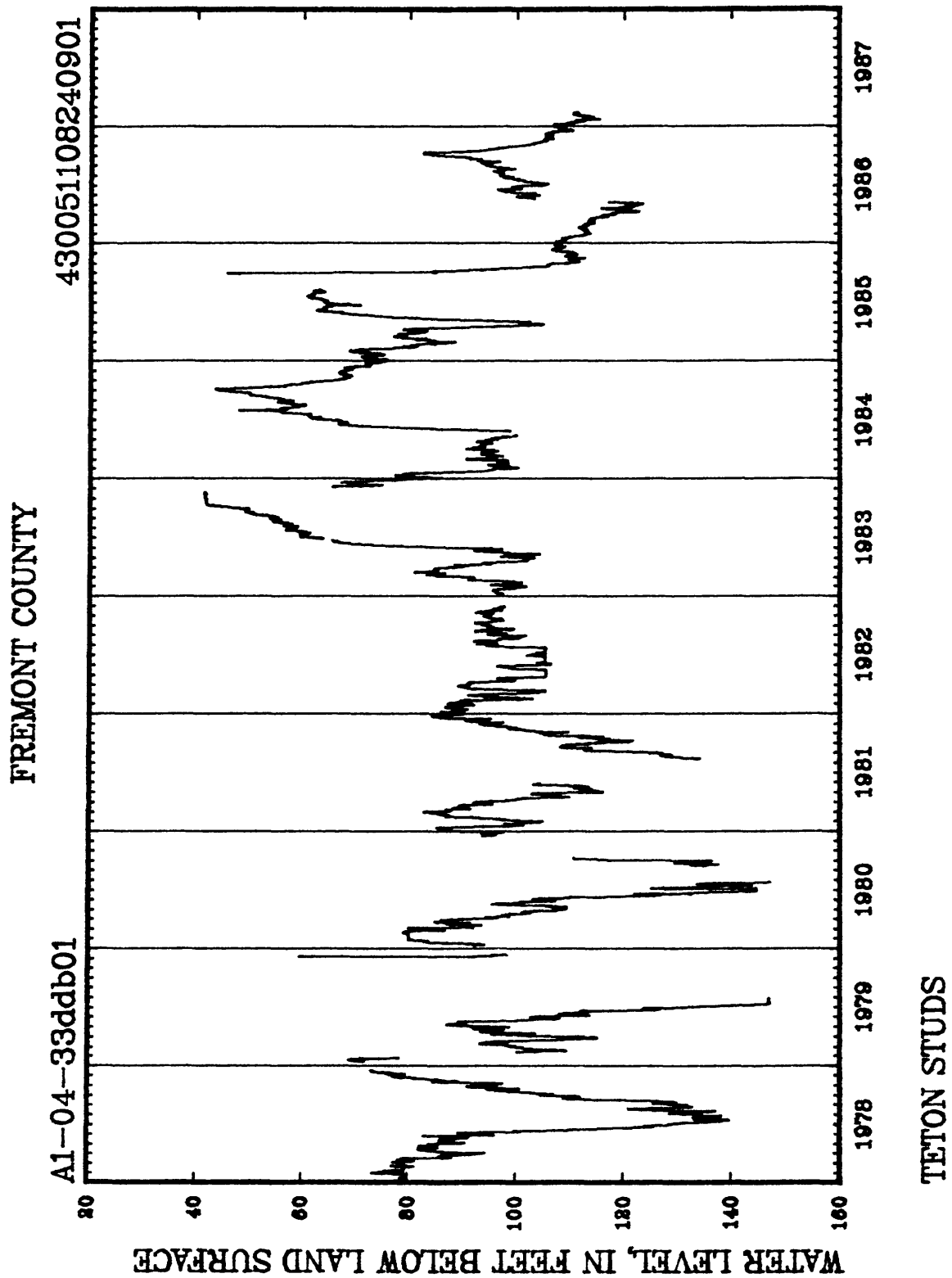
2 Discontinued



FREMONT COUNTY



BRENTWOOD



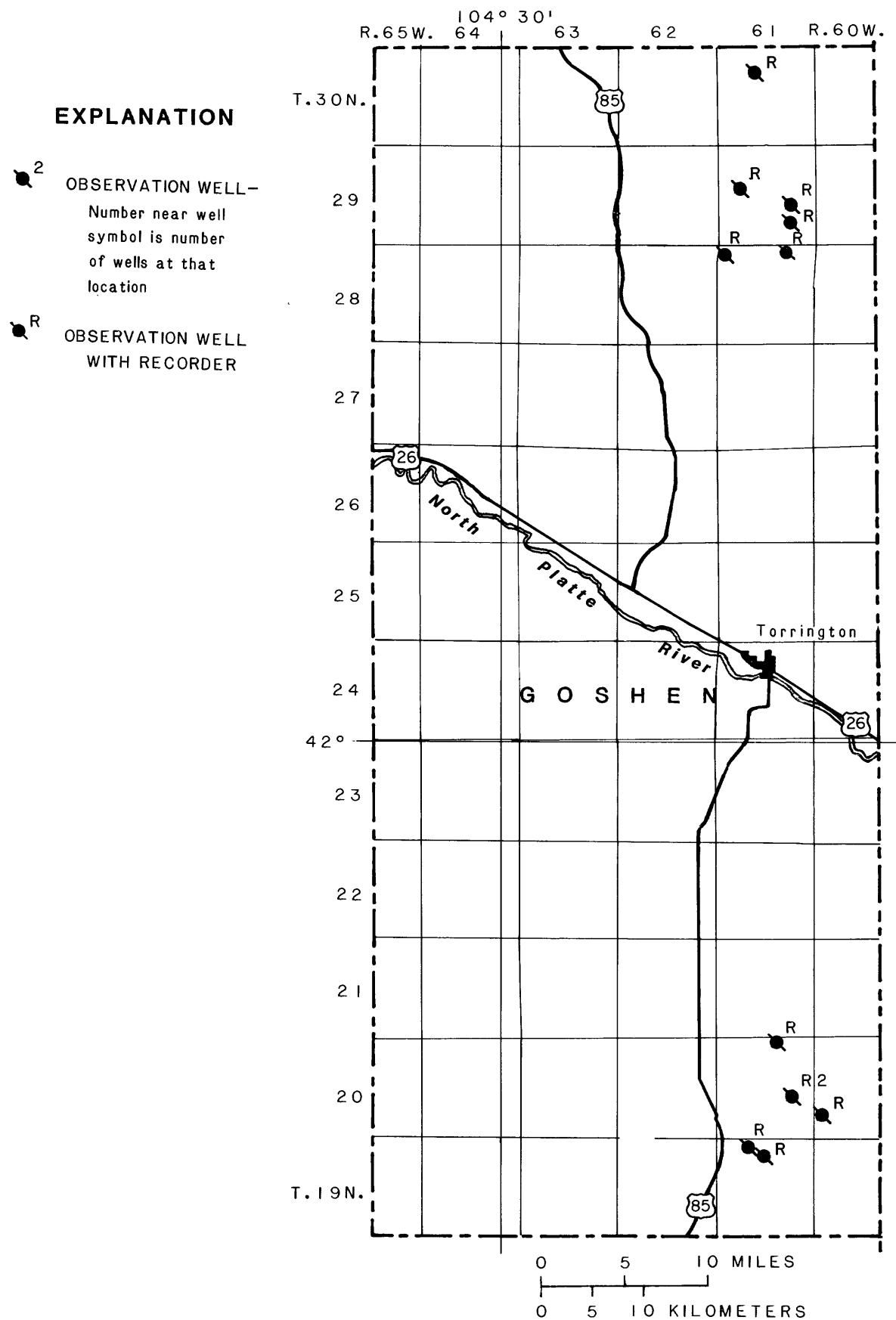
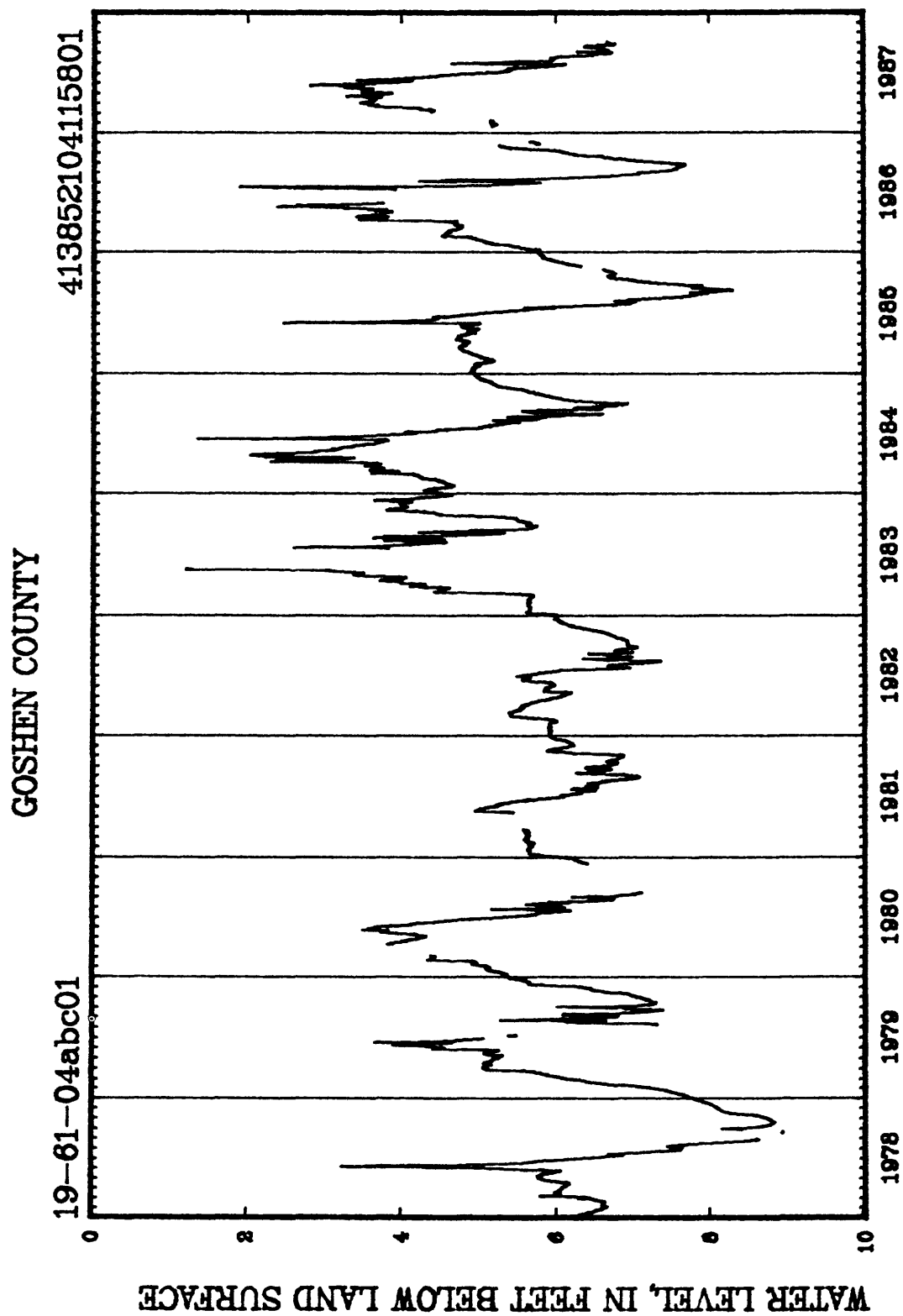


Figure 8.--Location of observation wells in Goshen County, Wyoming.

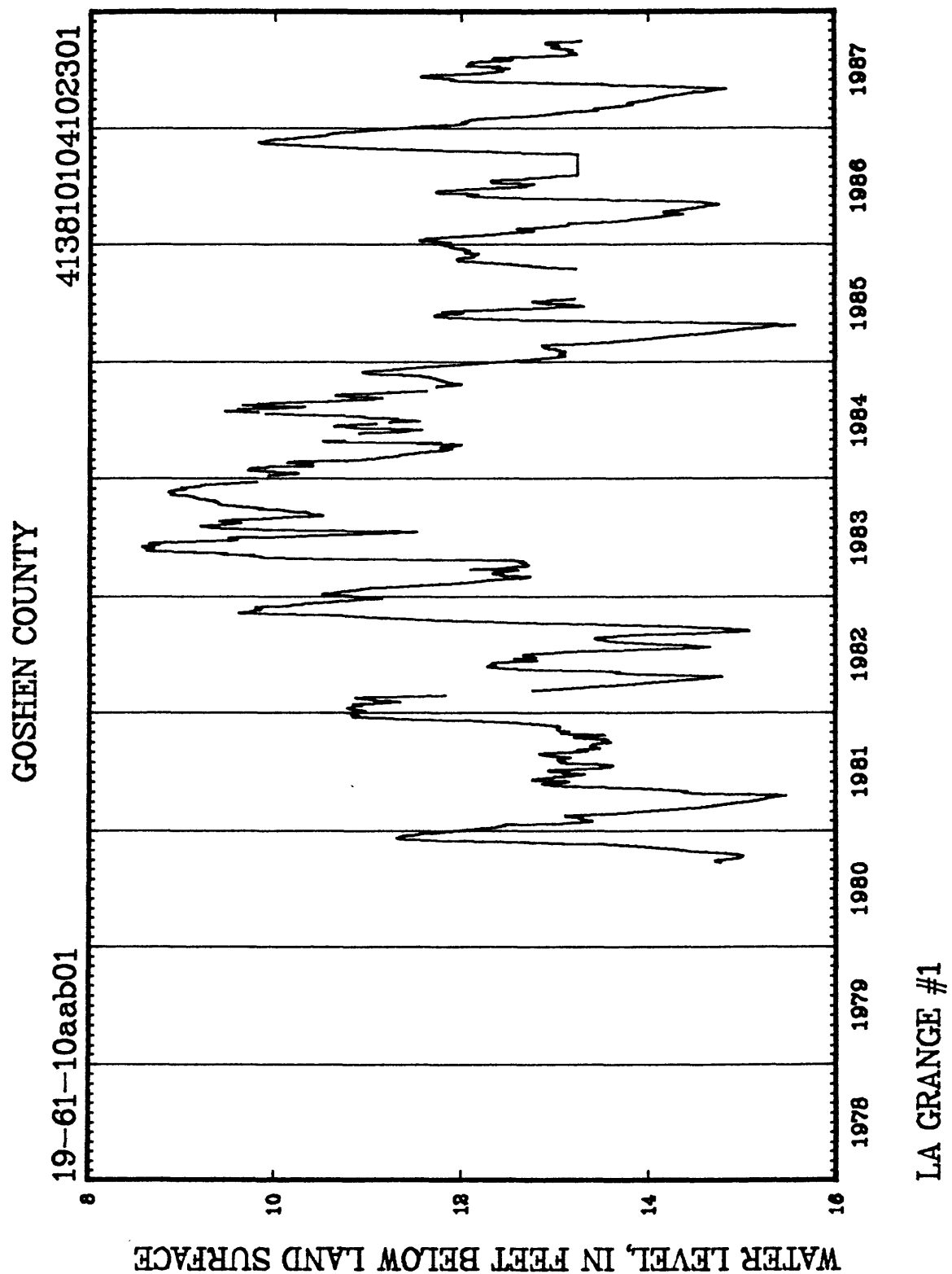
Records of observation wells in Goshen County, Wyoming, and highest and lowest recorded water levels, in feet below land surface.

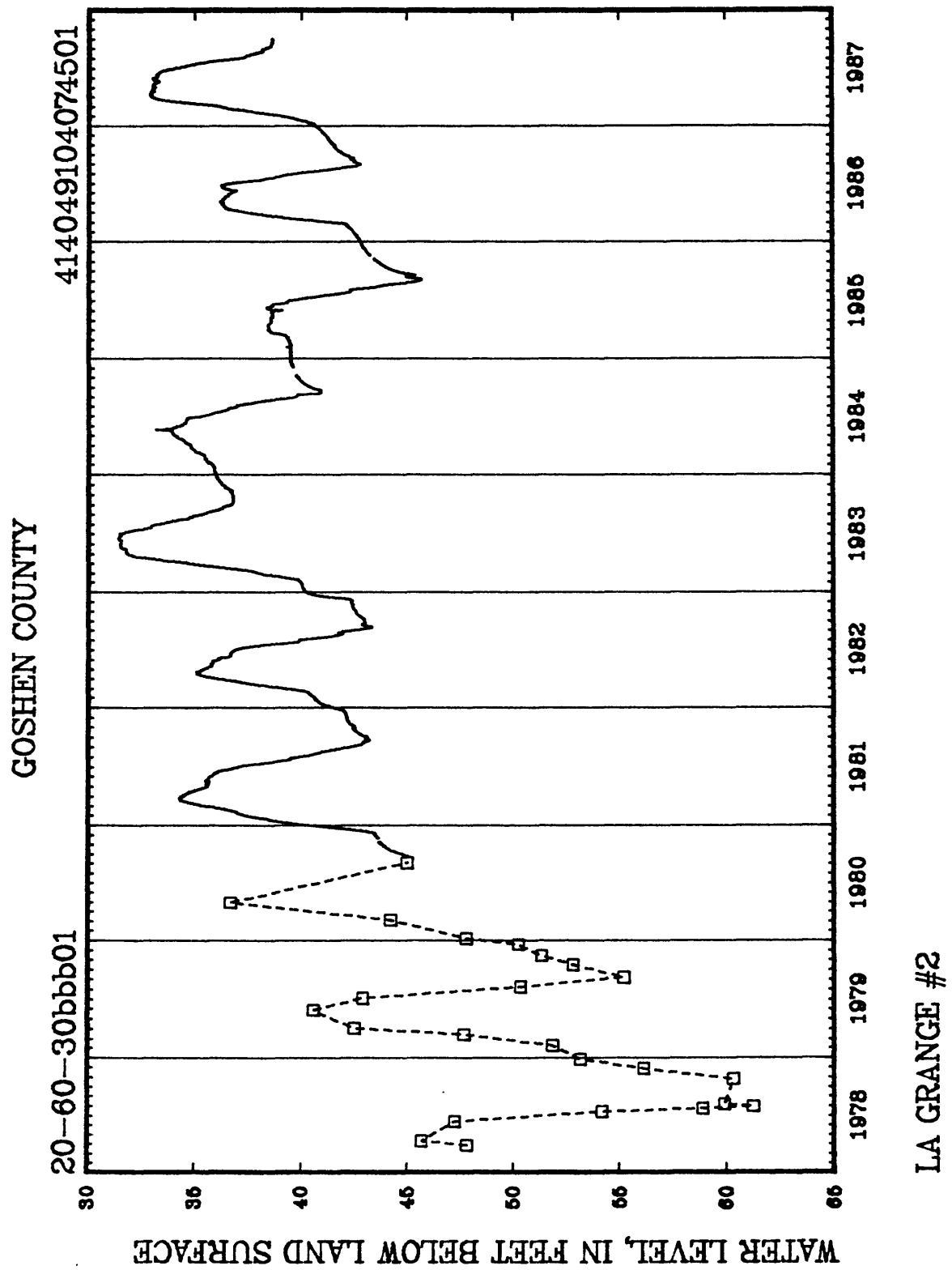
Well number	Well depth (ft)	Use of water	Geologic source	Record available (yr)	Water levels			
					Highest		Lowest	
					Level (ft)	Month-year	Level (ft)	Month-year
19-61-04abc01	50	U	111ALVM	1972-87	1.20	05-83	12.73	08-77
19-61-10aab01	200	U	123BRUL	1980-87	8.56	06-83	15.58	04-85
20-60-30bbb01	70	U	123BRUL	1978-87	31.40	06-83	161.25	07-78
20-61-03dad01	100	U	123WRVR	1980-87	16.85	06-83	24.83	02-85
20-61-23bdb02	70	U	123BRUL	1978-87	2.10	04-84	126.74	09-78
20-61-23ccc01	82	U	111ALVM	1972-87	9.89	05-87	132.59	09-78
28-61-02ccd01	255	U	122ARKR	1986-87	161.31	05-86	162.68	09-87
28-61-06aba01	220	U	122ARKR	1979-87	127.23	05-79	132.85	04-86
29-61-17aad01	220	U	122ARKR	1980-87	124.50	01-81	127.28	05-86
29-61-23abb01	300	U	122ARKR	1979-87	198.29	06-87	212.23	06-87
29-61-26cbb01	200	U	122ARKR	1980-87	131.89	05-81	135.21	04-86
30-61-09bbb01	220	U	122ARKR	1981-87	80.61	05-81	83.92	08-87, 09-87

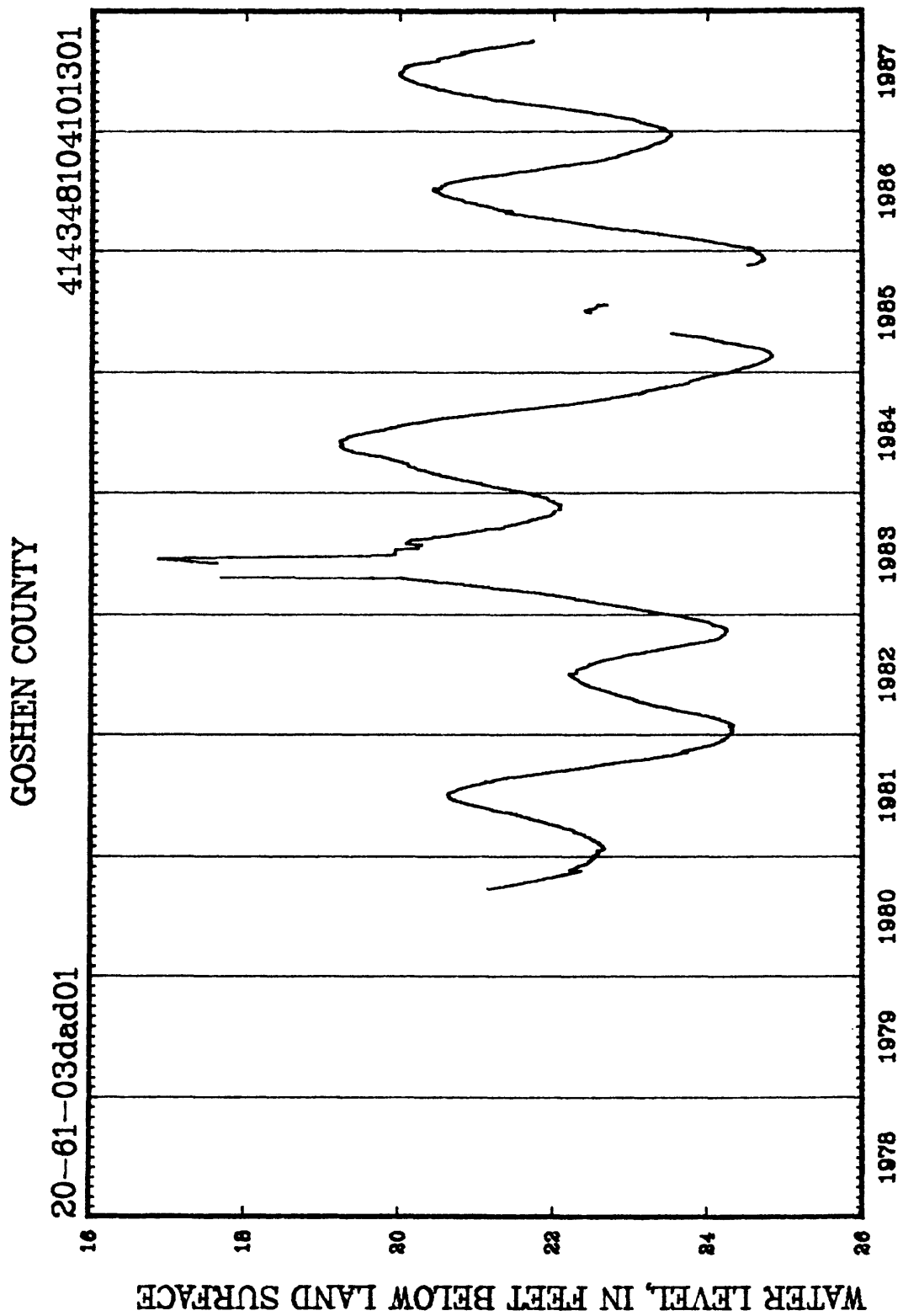
¹ From hand-measured data



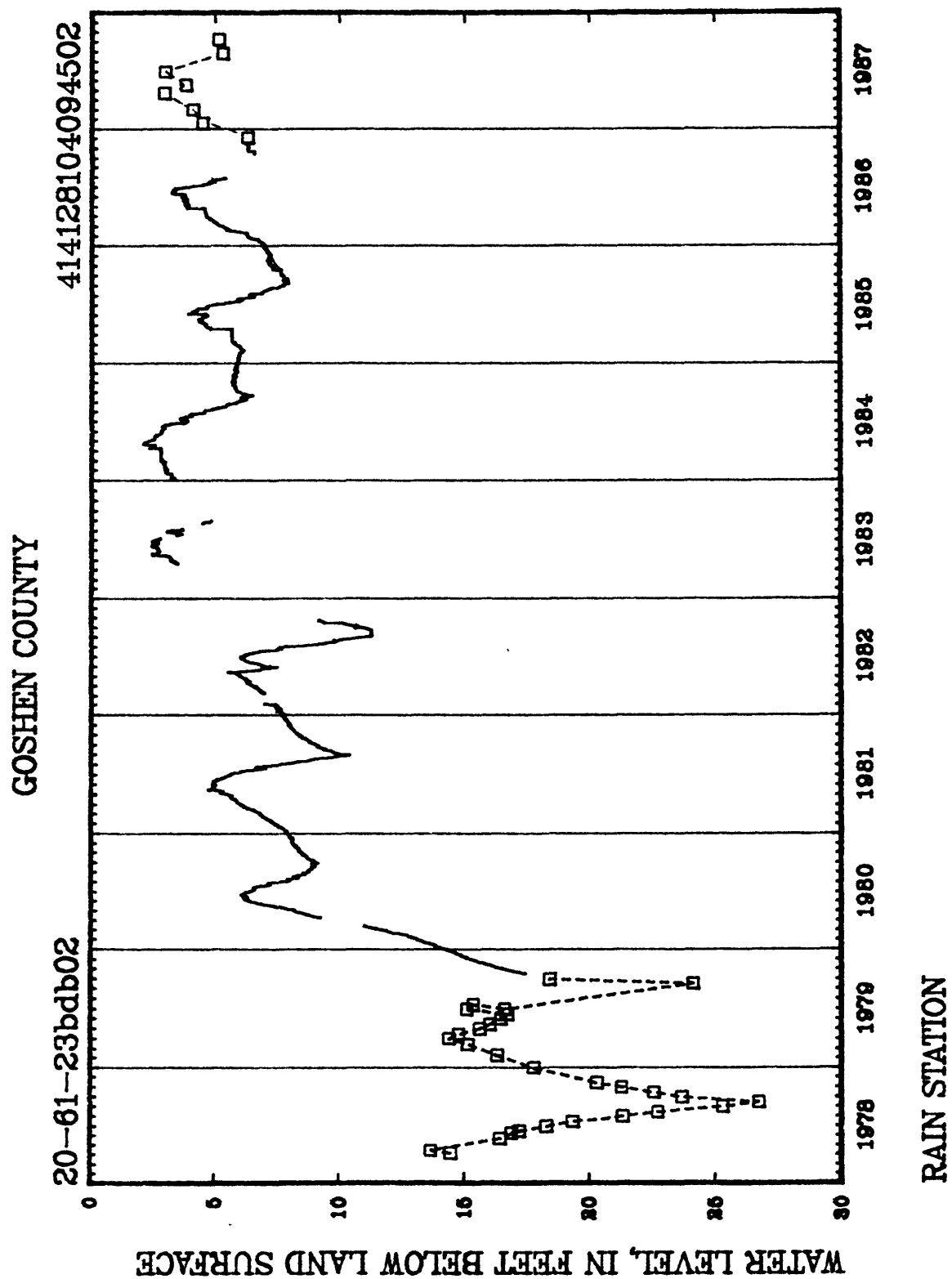
F. SANDERS

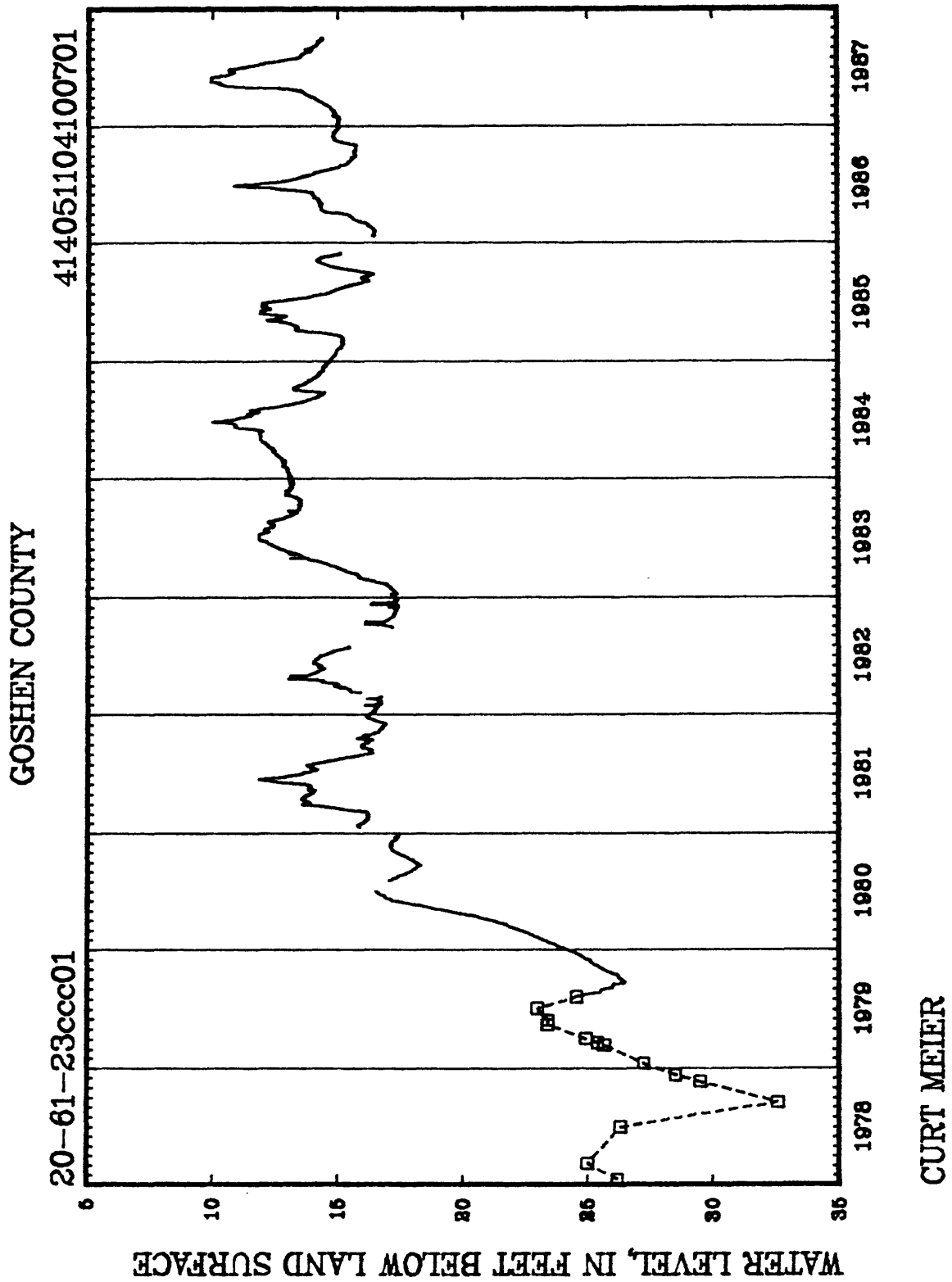


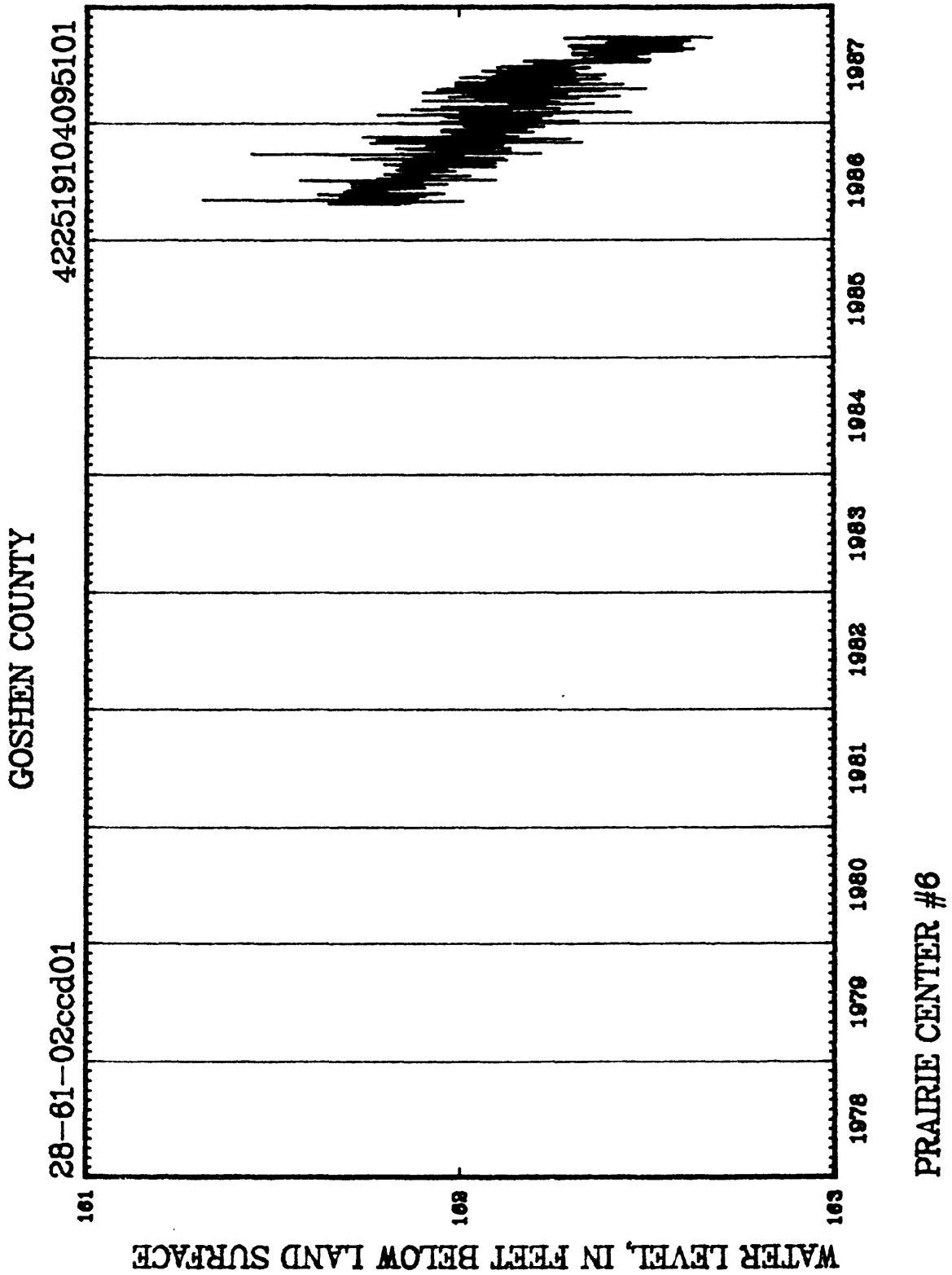


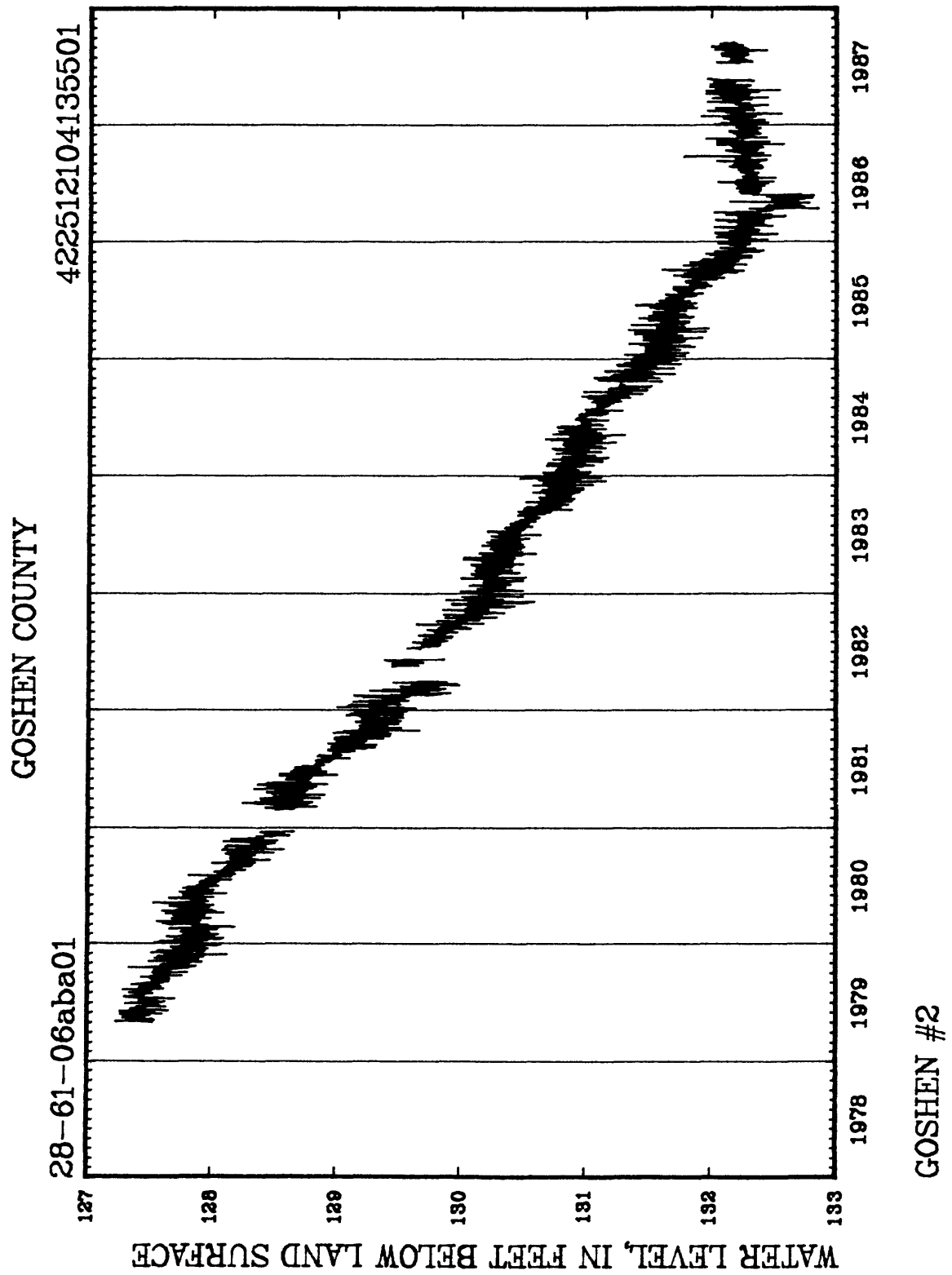


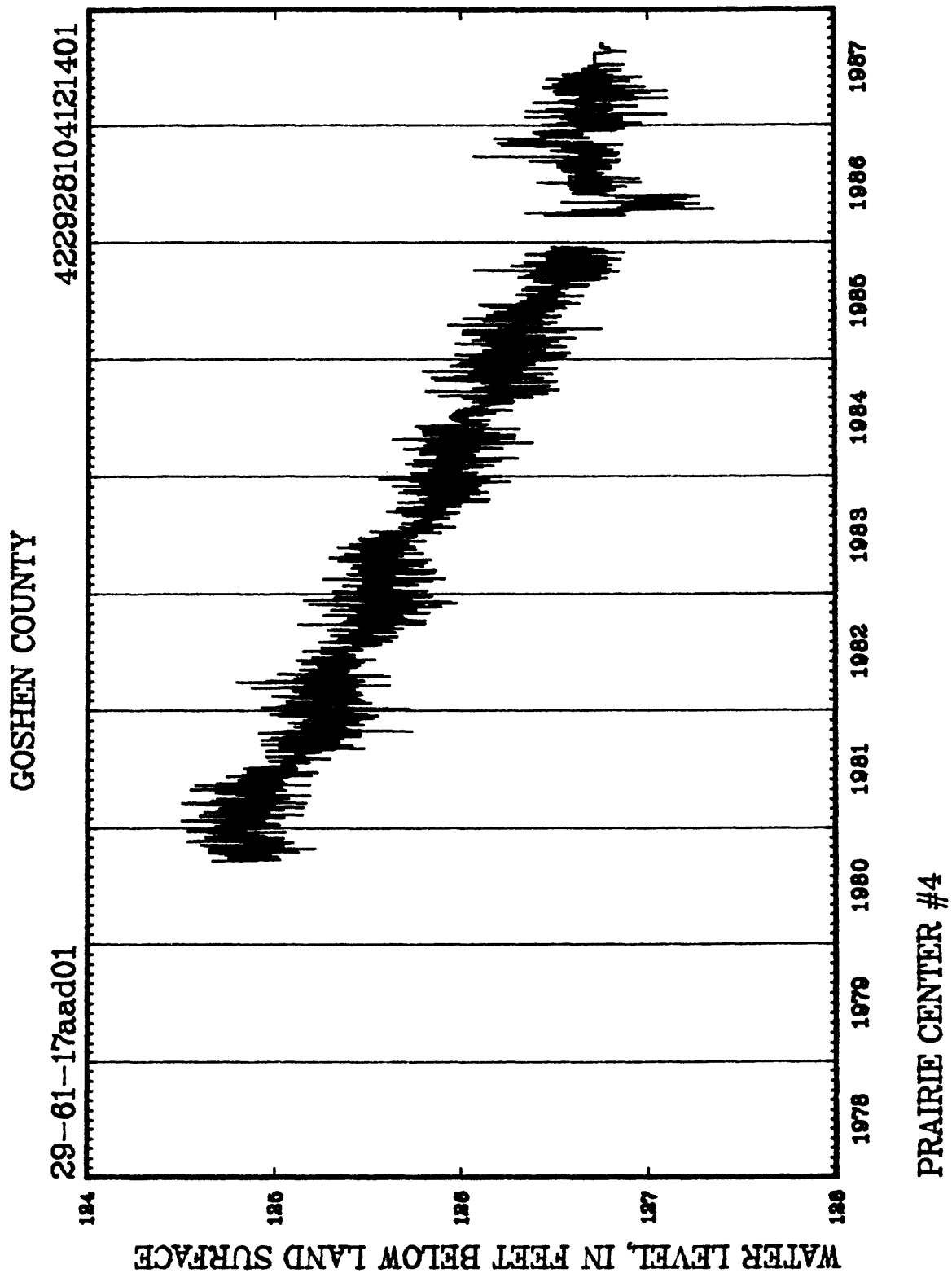
LA GRANGE #3

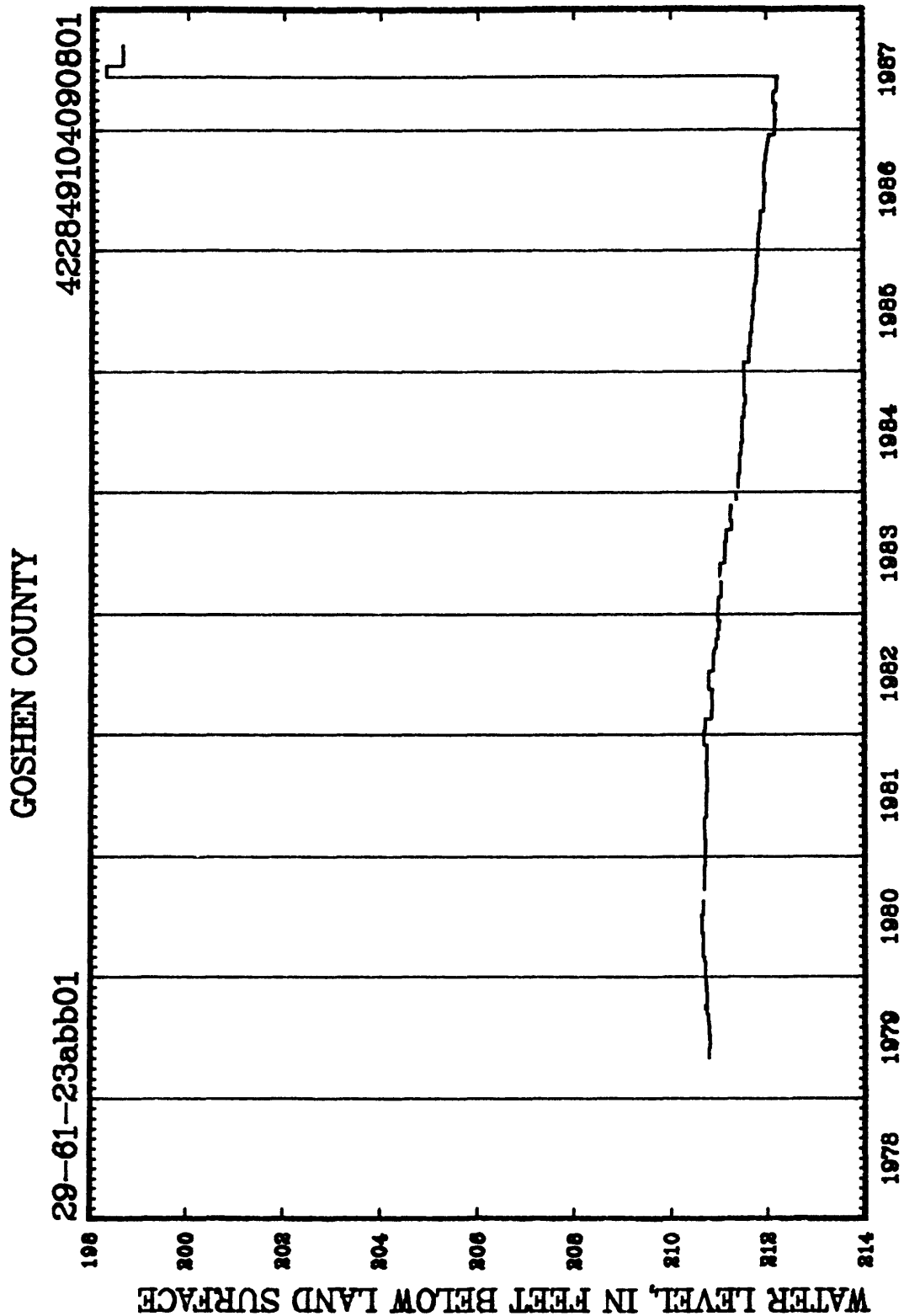




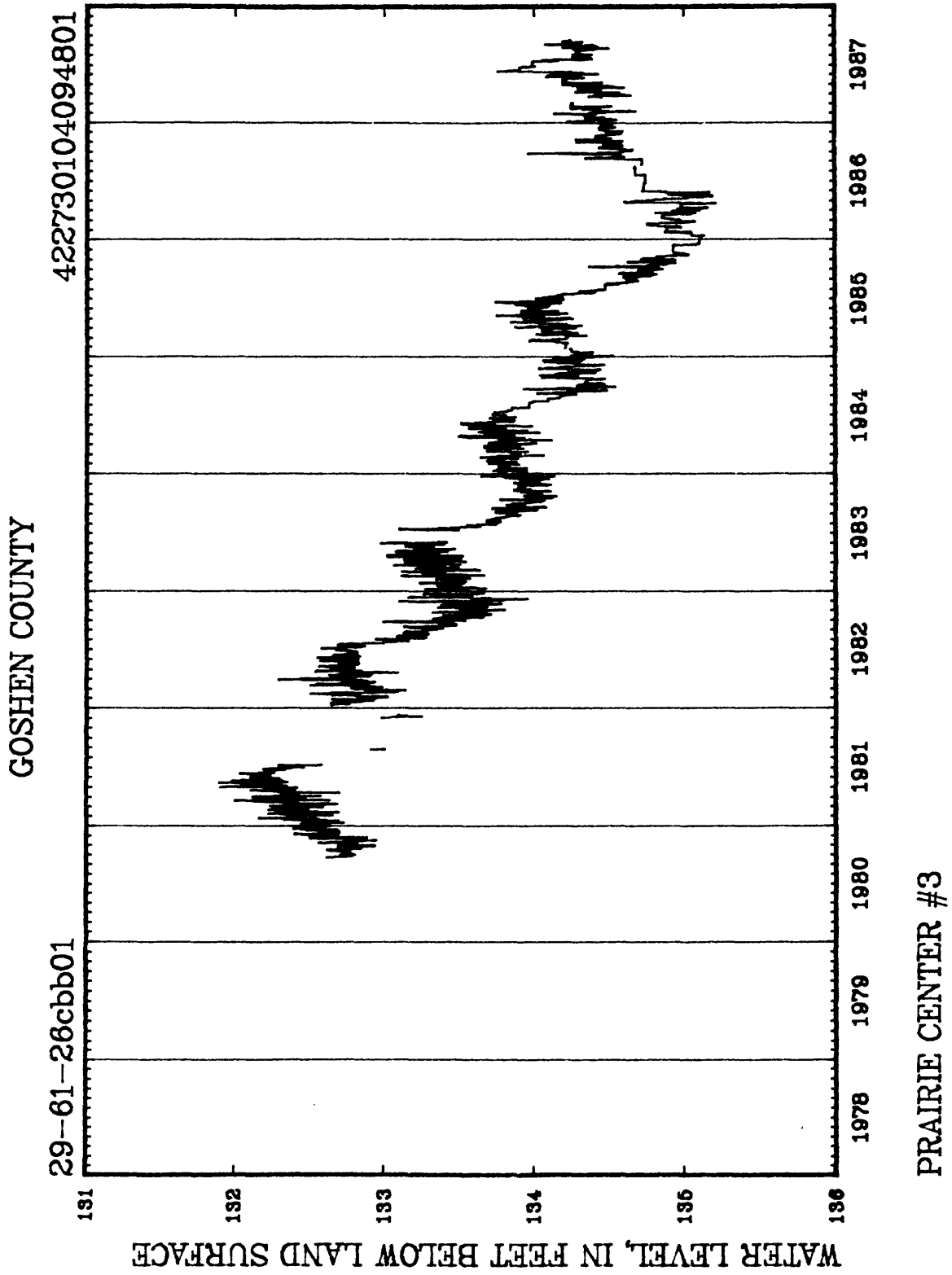


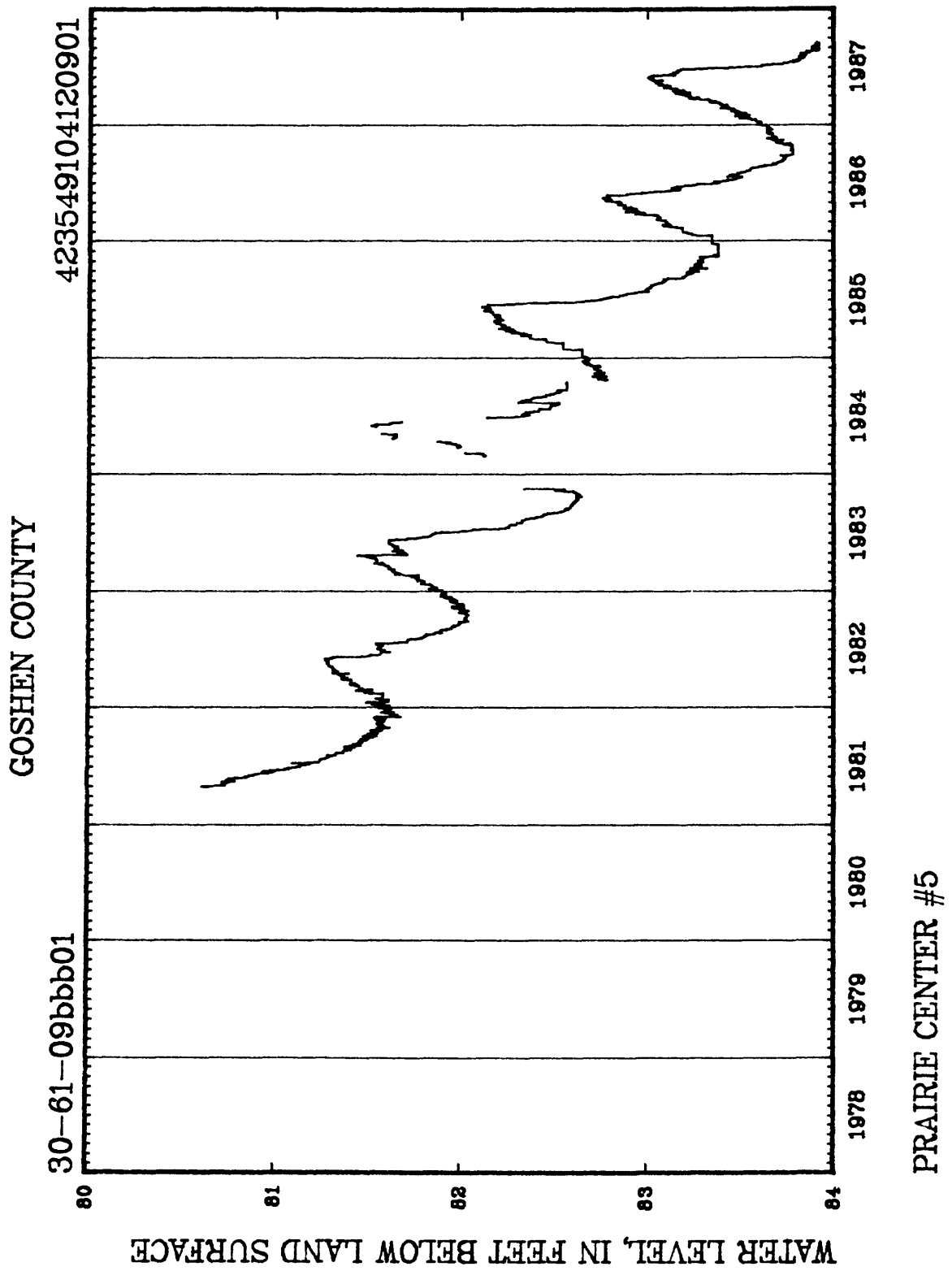






GOSHEN #1
SLUG TESTED JUNE 1987 -- DID NOT RESPOND





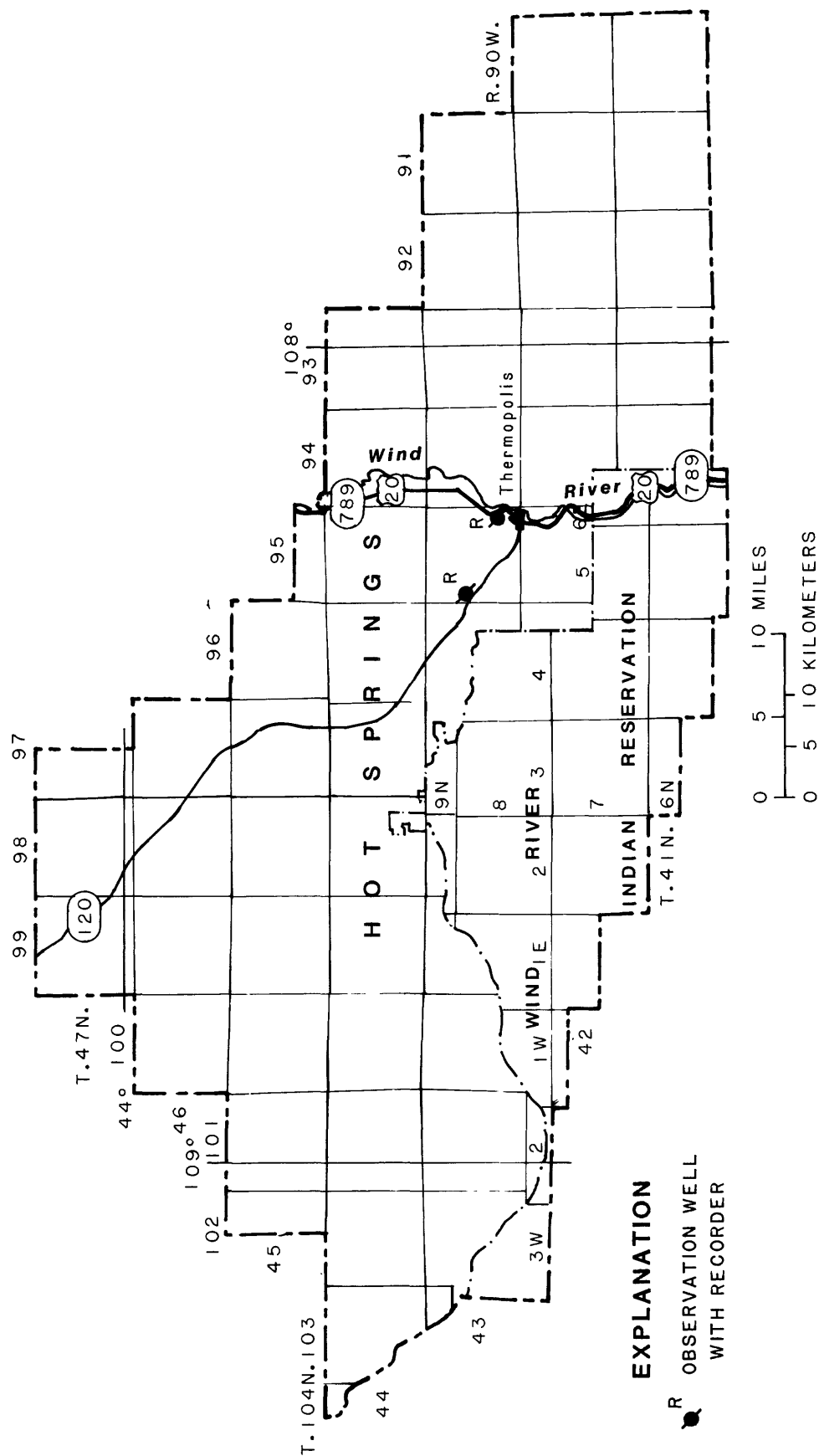
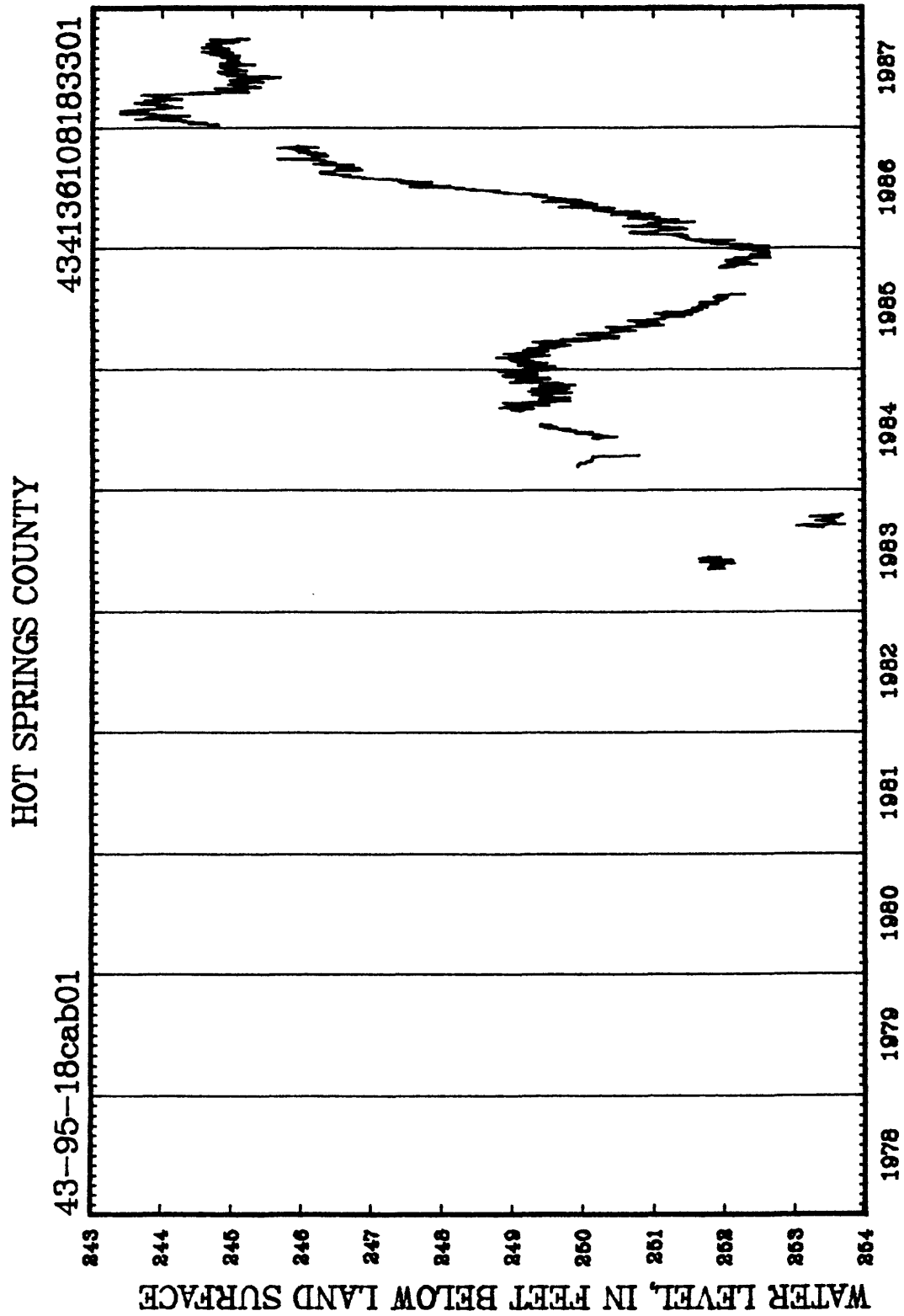


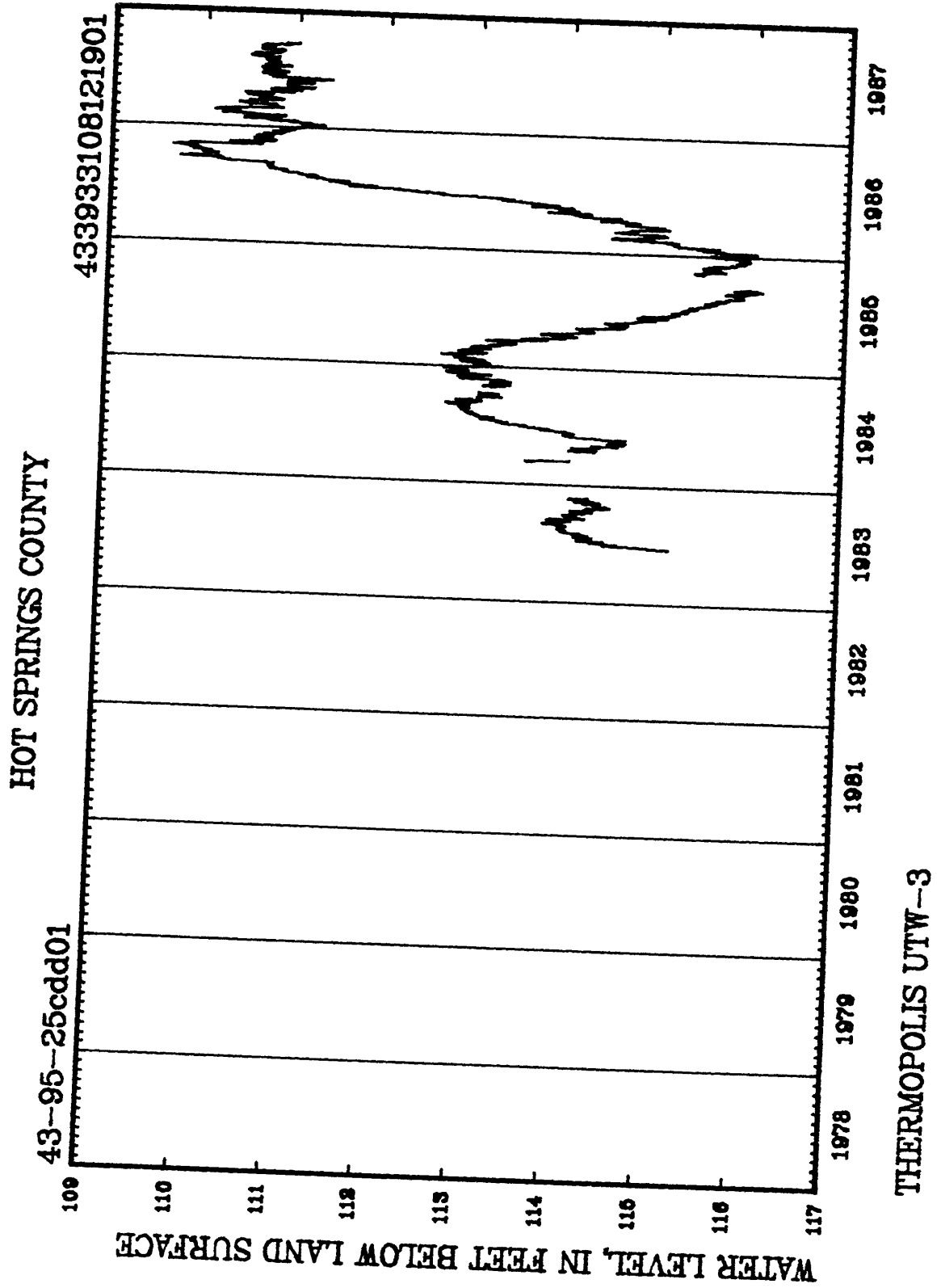
Figure 9.--Location of observation wells in Hot Springs County, Wyoming.

Records of observation wells in Hot Springs County, Wyoming, and highest and lowest recorded water levels, in feet below land surface.

Well number	Well depth (ft)	Use of water	Geologic source	Record available (yr)	Water levels			
					Highest		Lowest	
					Level (ft)	Month- year	Level (ft)	Month- year
43-95-18cab01	354	U	317TSLP	1983-87	243.38	02-87	253.74	09-83
43-95-25cdd01	228	U	311PRKC	1983-87	109.65	10-86	116.11	09-85



THERMOPOLIS UTW-1



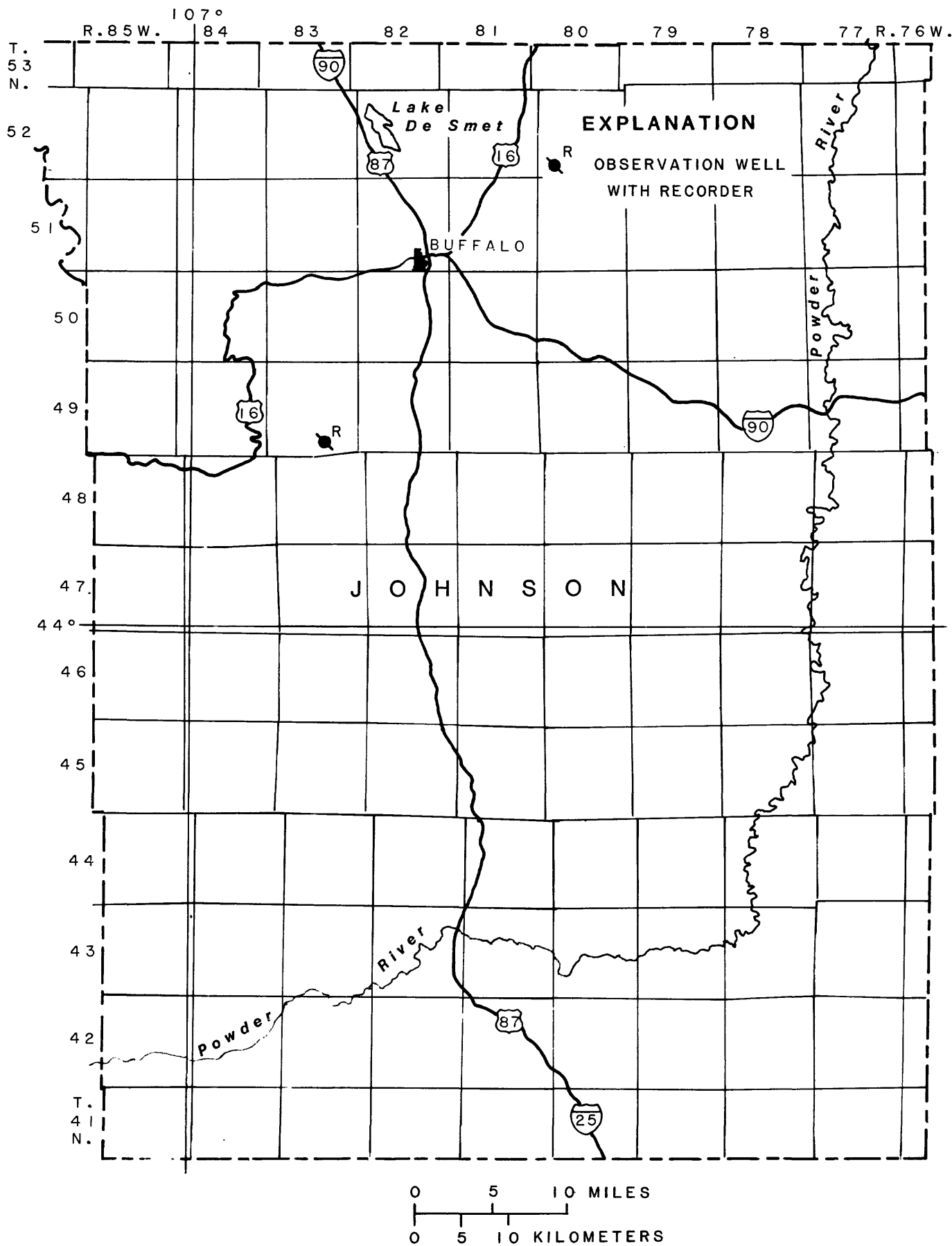
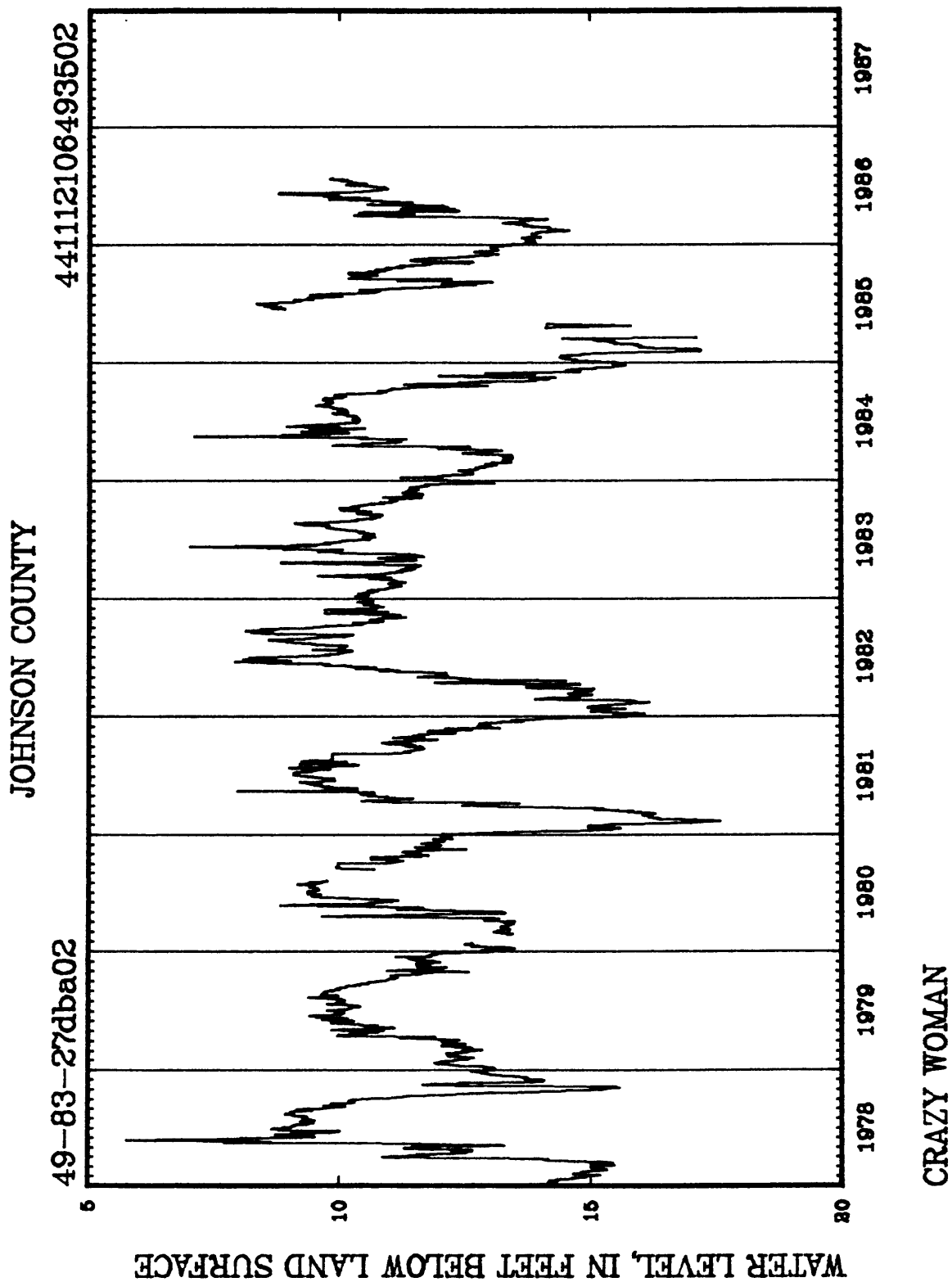


Figure 10.--Location of observation wells in Johnson County, Wyoming.

Records of observation wells in Johnson County, Wyoming, and highest and lowest recorded water levels, in feet below land surface.

Well number	Well depth (ft)	Use of water	Geologic source	Record available (yr)	Water levels		
					Highest Level (ft)	Month-year	Lowest Level (ft)
49-83-27dba02	1,507	U	331MDSN	1974-86 ²	5.76	05-78	19.23
						01-77	

2 Discontinued



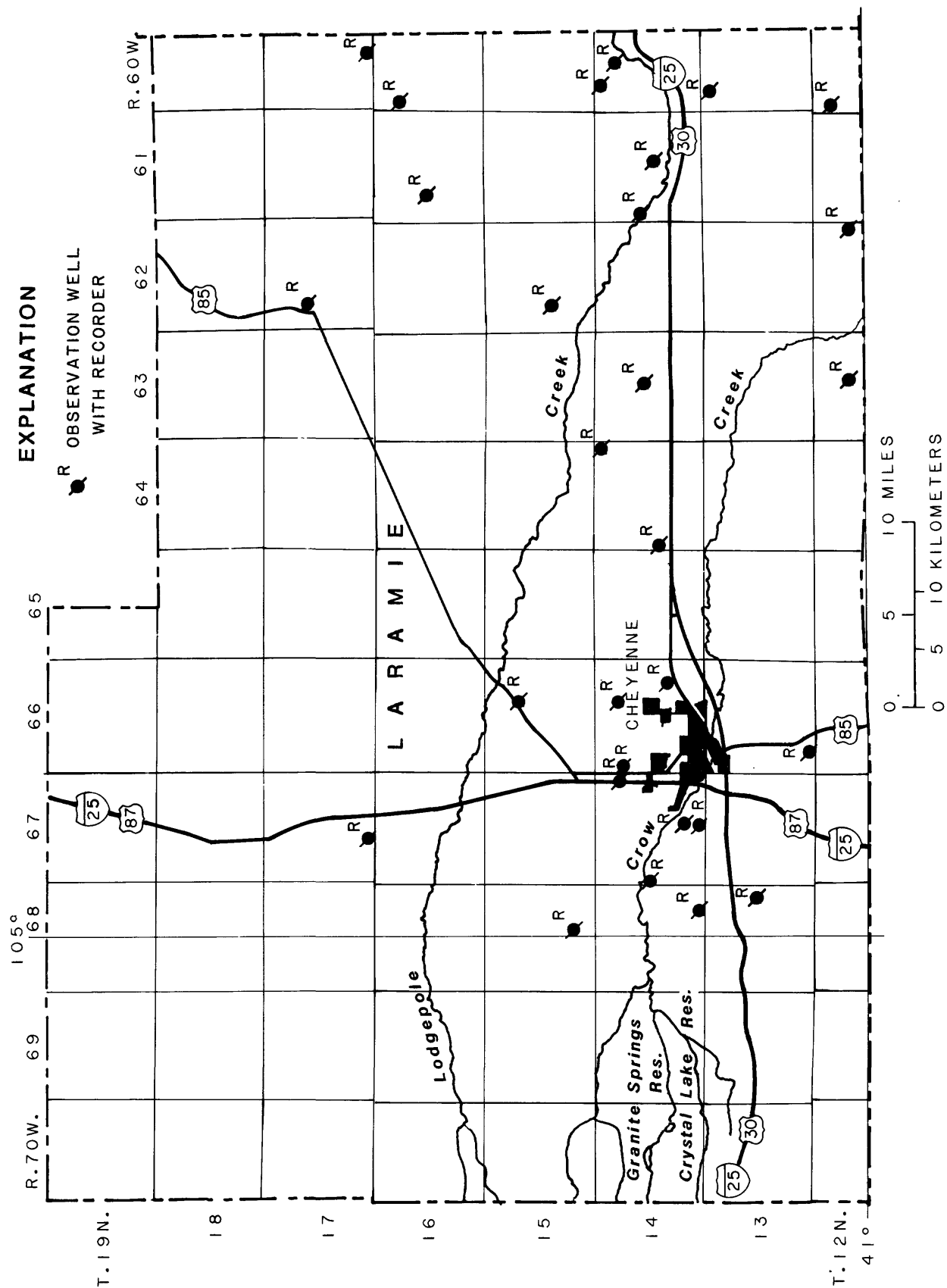


Figure 11.--Location of observation wells in Laramie County, Wyoming.

Records of observation wells in Laramie County, Wyoming, and highest and lowest recorded water levels, in feet below land surface.

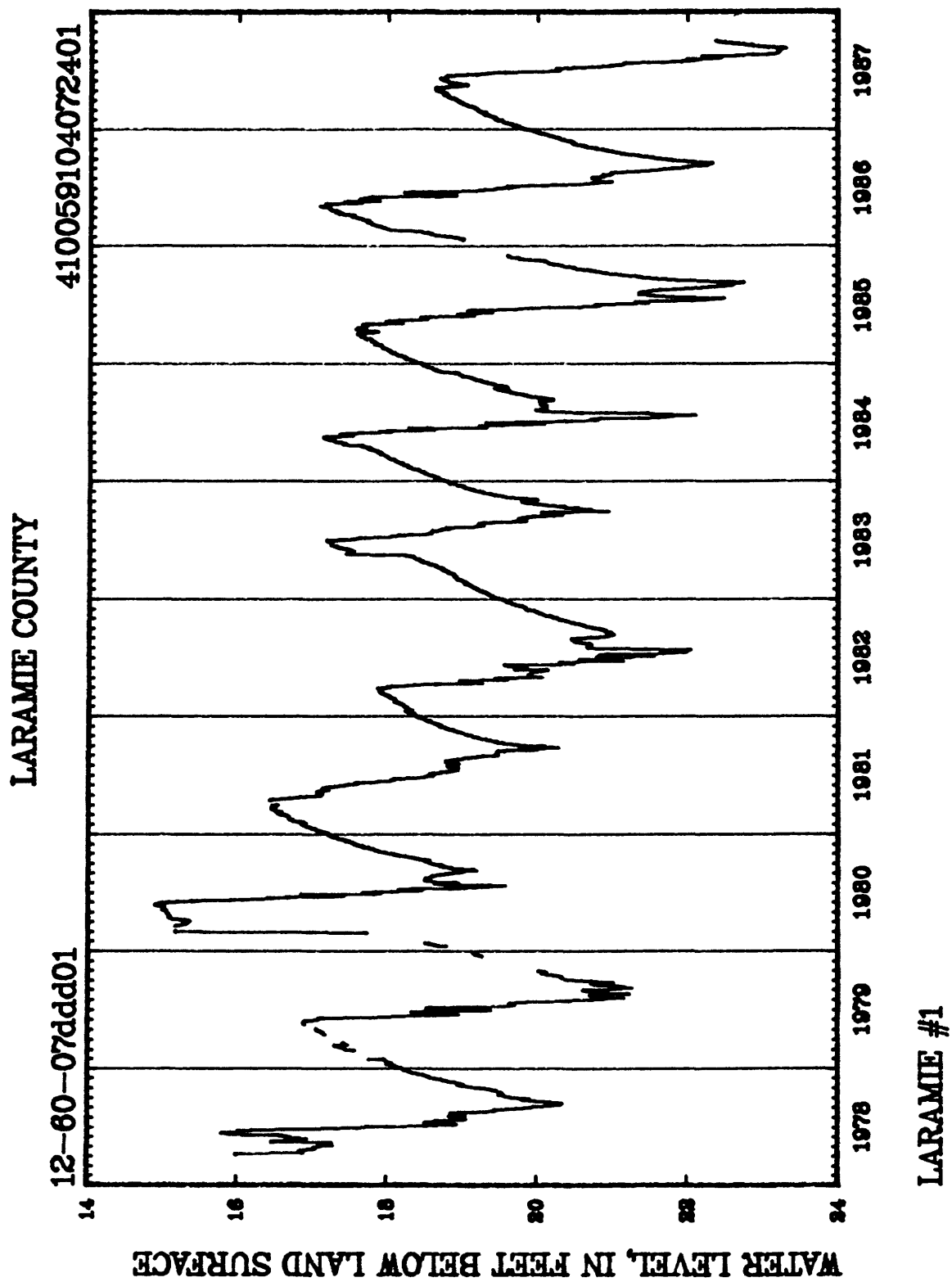
Well number	Well depth (ft)	Use of water	Geologic source	Record available (yr)	Water levels			
					Highest		Lowest	
					Level (ft)	Month-year	Level (ft)	Month-year
12-60-07ddd01	105	U	123WRVR	1978-87	14.90	05-80	23.19	08-87
12-62-13baa01	198	U	111TRRC	1975-87	38.53	05-75	65.41	07-86
12-63-15aaa02	110	U	123BRUL	1971-87	14.11	04-74	46.86	09-78
13-60-05ccb01	100	U	123BRUL	1969-87	34.18	05-84	63.52	10-79
13-66-32bbd01	160	U	121OGLL	1986-87	45.05	11-86	46.99	07-87
13-68-13ccc01	---	U	121OGLL	1942-50, 1969-87	1 36.78	03-45	87.89	07-83
14-60-05bcb01	98	U	123BRUL	1957-87	28.96	04-85	56.62	07-77
14-60-10dbb01	80	U	123BRUL	1973-87 ²	15.56	06-84	31.16	08-79
14-61-18ddd01	90	-	123WRVR	1977-87	9.08	06-84	22.79	10-79
14-61-22dcc01	---	U	123BRUL	1975-87 ²	16.10	06-83	28.60	10-79
14-63-15aaa01	165	U	122ARKR	1977-87	45.48	06-80	48.35	09-86
14-64-01dcb01	200	-	121OGLL	1977-87	1 102.12	05-77	112.15	08-87
14-64-19bcc01	180	-	121OGLL	1977-87	157.54	09-86	158.99	10-81
14-66-07add01	350	U	121OGLL	1984-87	82.86	04-87	98.49	07-85
14-66-10aba01	190	-	121OGLL	1977-87	125.82	02-79	130.39	08-86, 08-87
14-66-23ddd01	216	U	121OGLL	1986-87	140.70	08-87	141.40	04-86
14-67-12abb01	220	U	121OGLL	1985-87	94.02	02-86	108.94	07-85
14-67-18ddc01	229	U	121OGLL	1956-87	12.48	09-57	48.07	08-78
14-67-27bac01	140	U	121OGLL	1986-87	20.71	04-86	22.83	09-87
14-67-34bbc01	162	U	121OGLL	1986-87	7.72	04-86	12.28	07-87
14-68-35ddc02	230	U	121OGLL	1969-87	98.82	04-70	113.26	09-81
15-62-20aaa01	165	-	121OGLL	1977-87	94.56	06-77	99.66	11-85
15-66-10bab01	210	-	121OGLL	1977-87	58.73	04-85	86.70	09-78

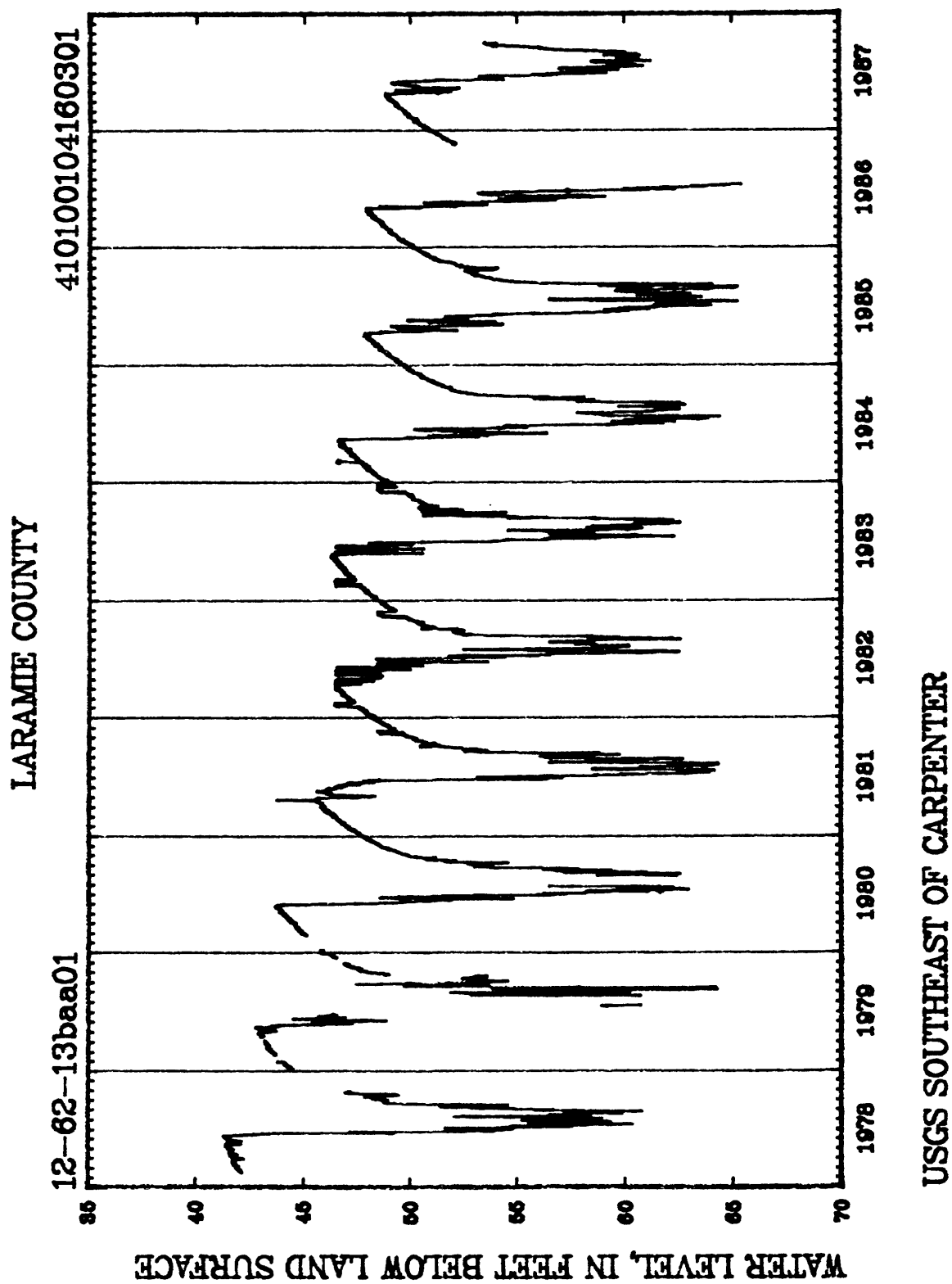
Records of observation wells in Laramie County, Wyoming, and highest and lowest recorded water levels, in feet below land surface--continued.

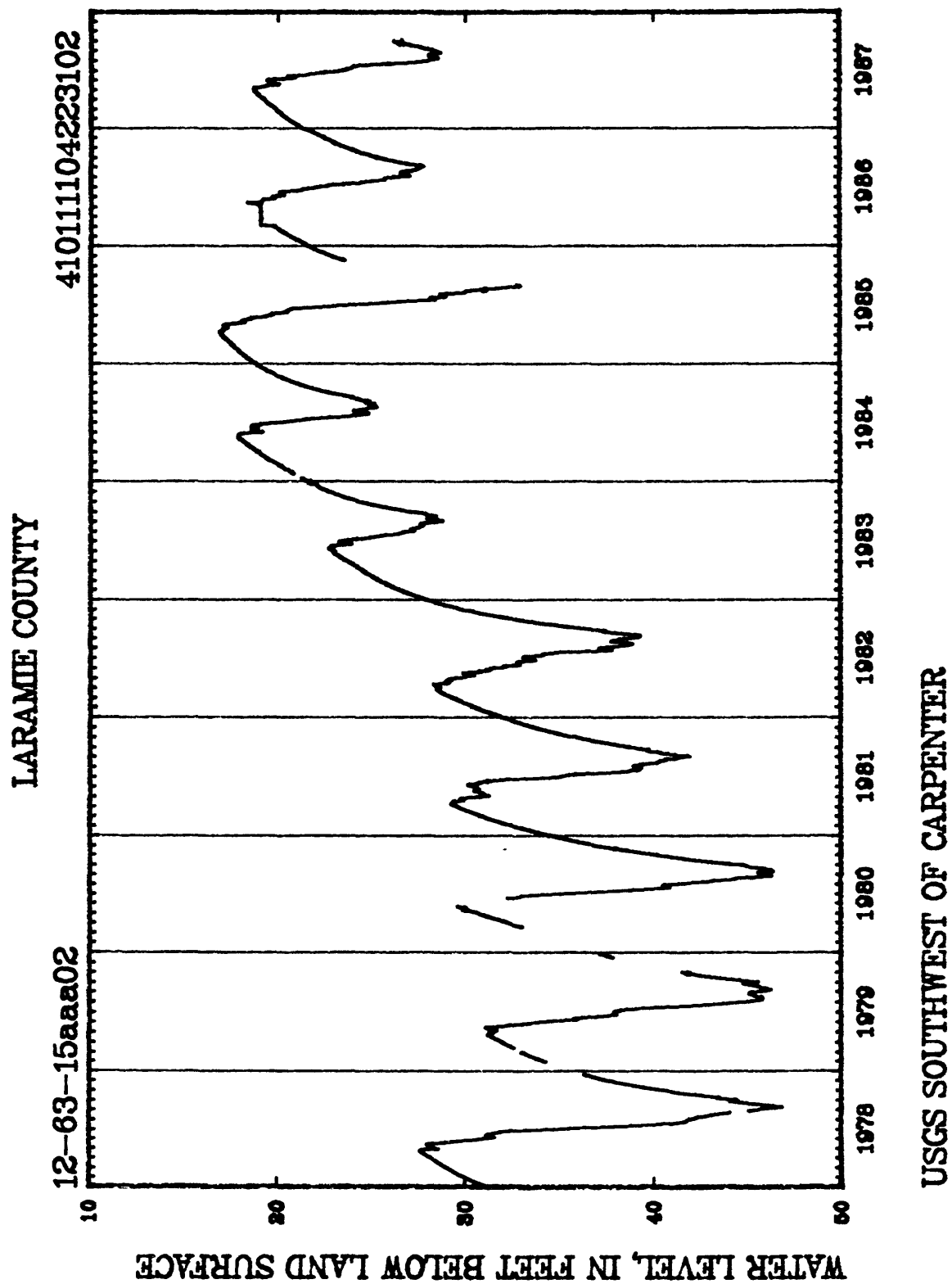
Well number	Well depth (ft)	Use of water	Geologic source	Record available (yr)	Water levels			
					Highest		Lowest	
					Level (ft)	Month-year	Level (ft)	Month-year
15-68-27ccc01	300	U	1210GLL	1984-87	165.84	09-86	174.30	01-85
16-60-07bbb02	215	U	1210GLL	1983-87	147.74	04-85	149.55	09-83
16-61-17aaa01	285	-	1210GLL	1977-87	196.47	05-87	1 201.32	12-77
17-60-33cbb01	275	U	123BRUL	1975-87	177.52	05-75	214.18	11-86
17-62-17ccc01	360	U	1210GLL	1982-87	226.04	04-87, 05-87, 06-87	227.03	12-85
17-67-33baa01	200	U	1210GLL	1984-87	132.26	01-85	144.91	09-87

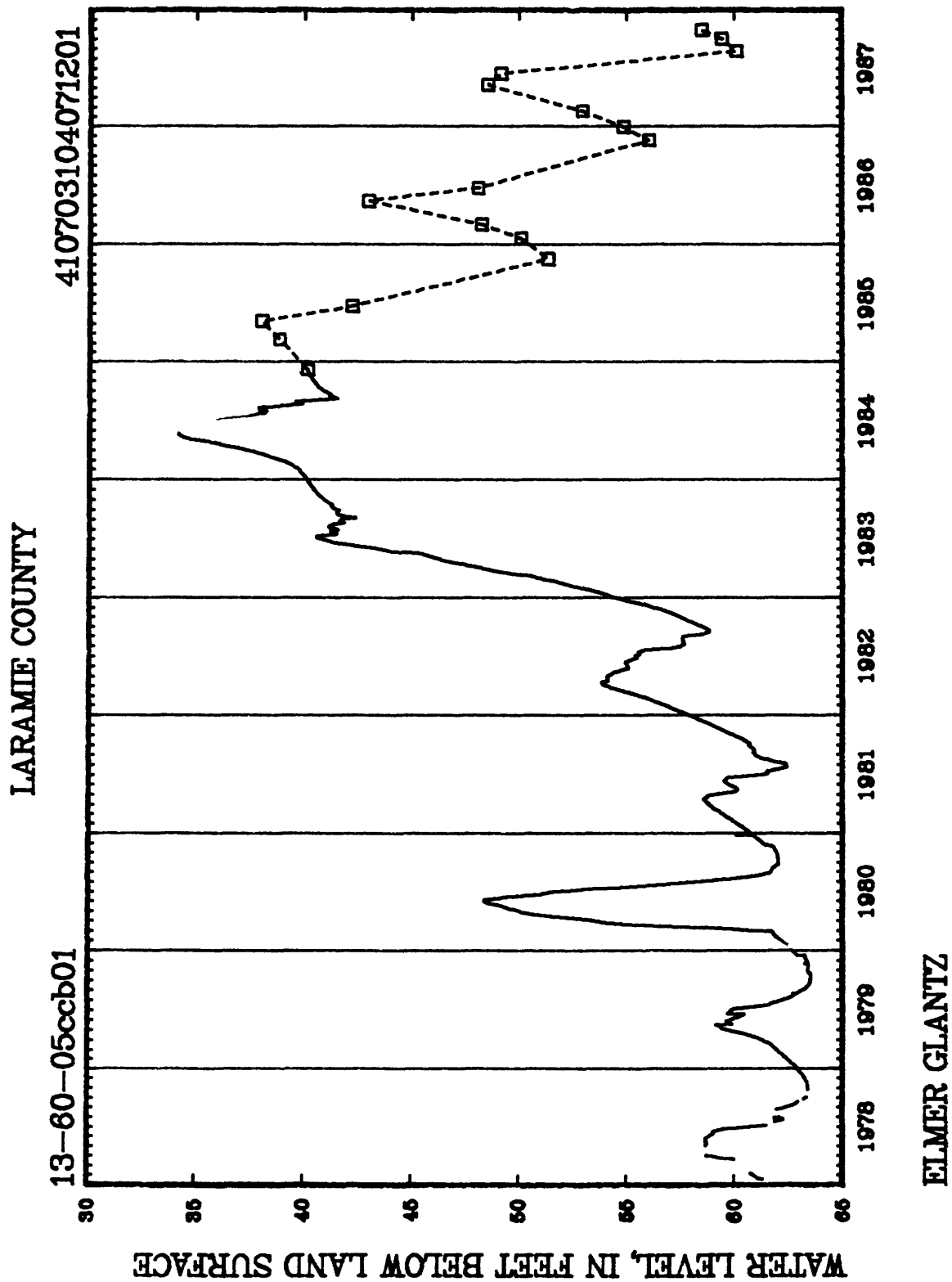
¹ From hand-measured data

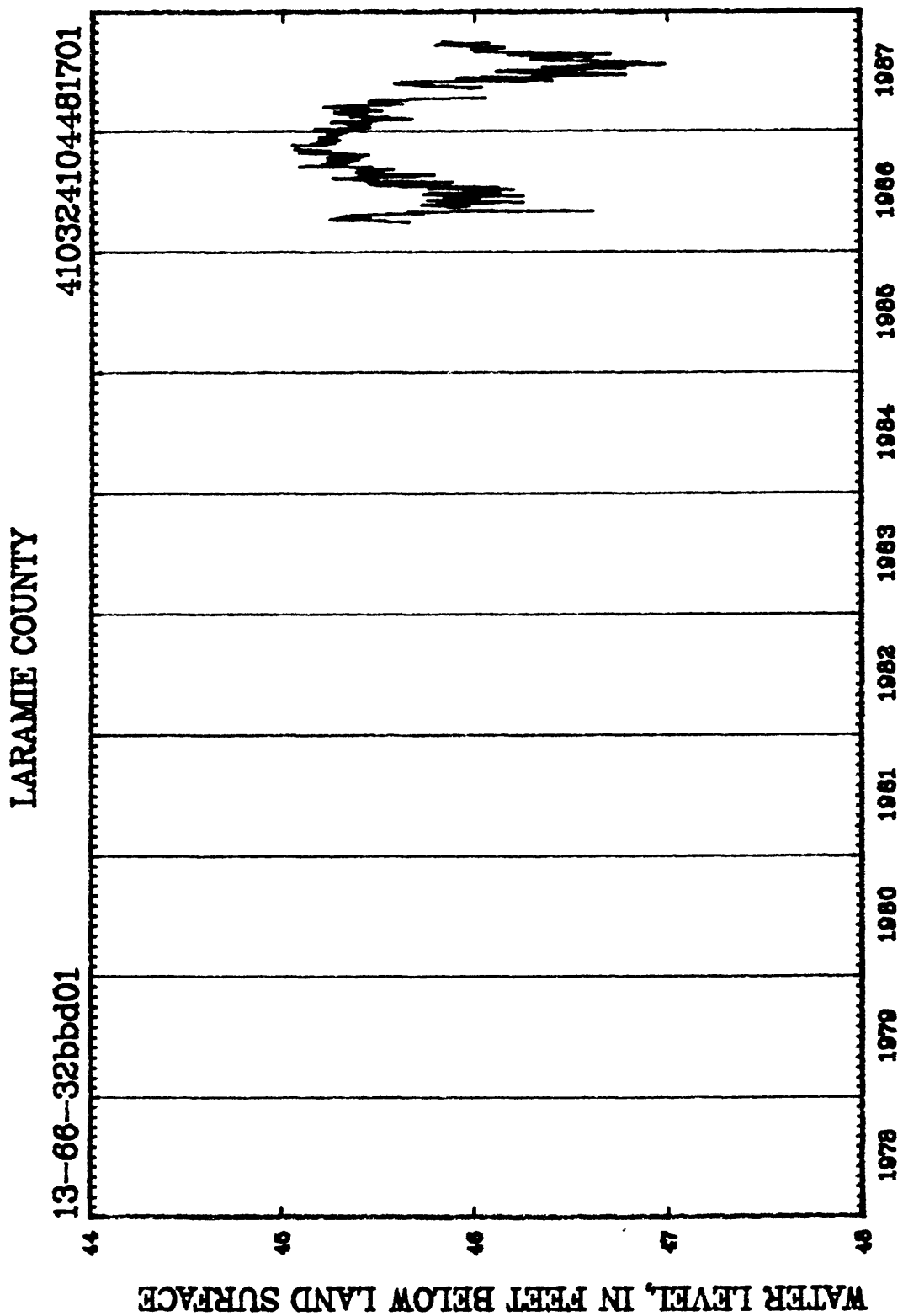
² Discontinued



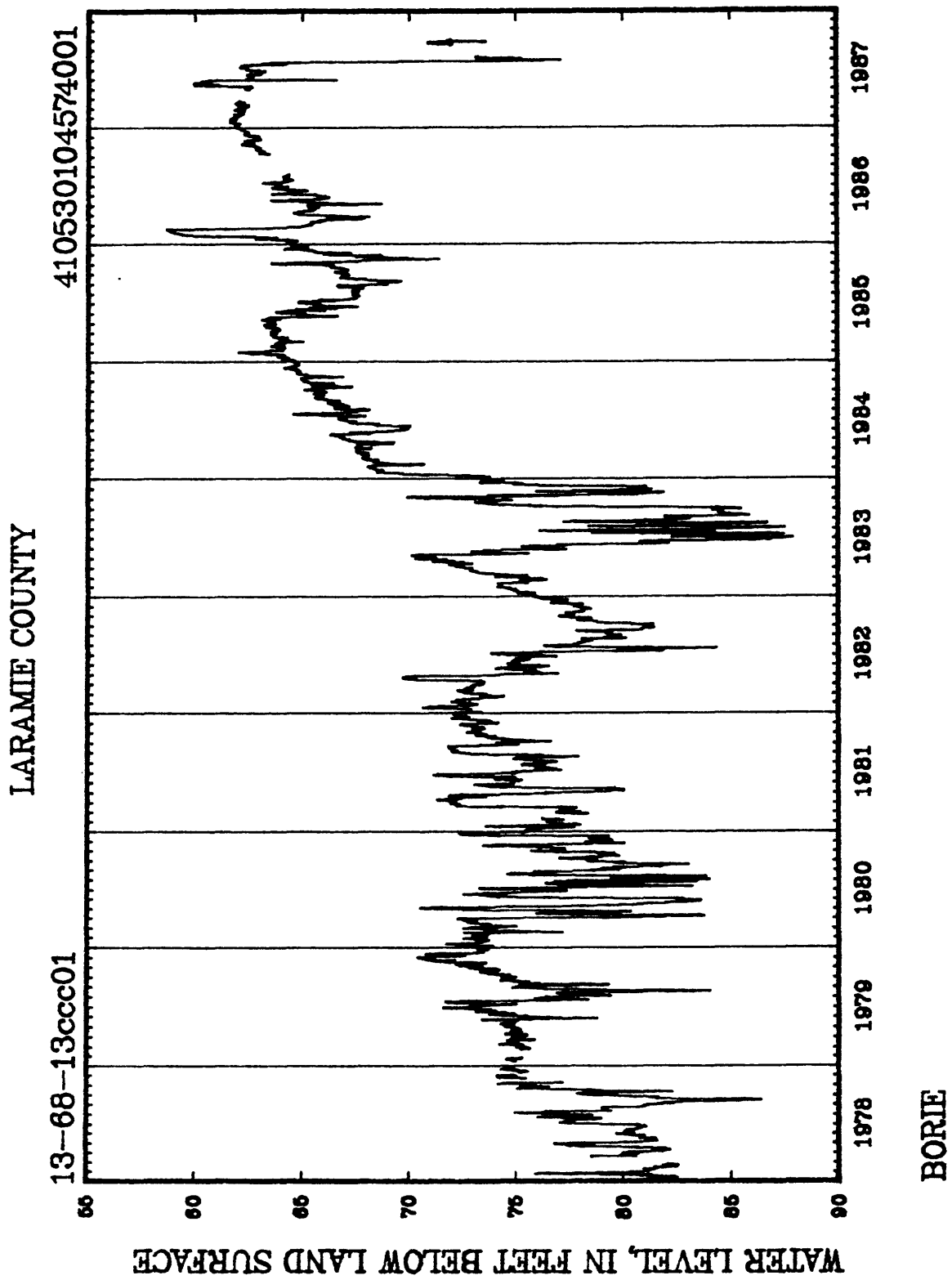


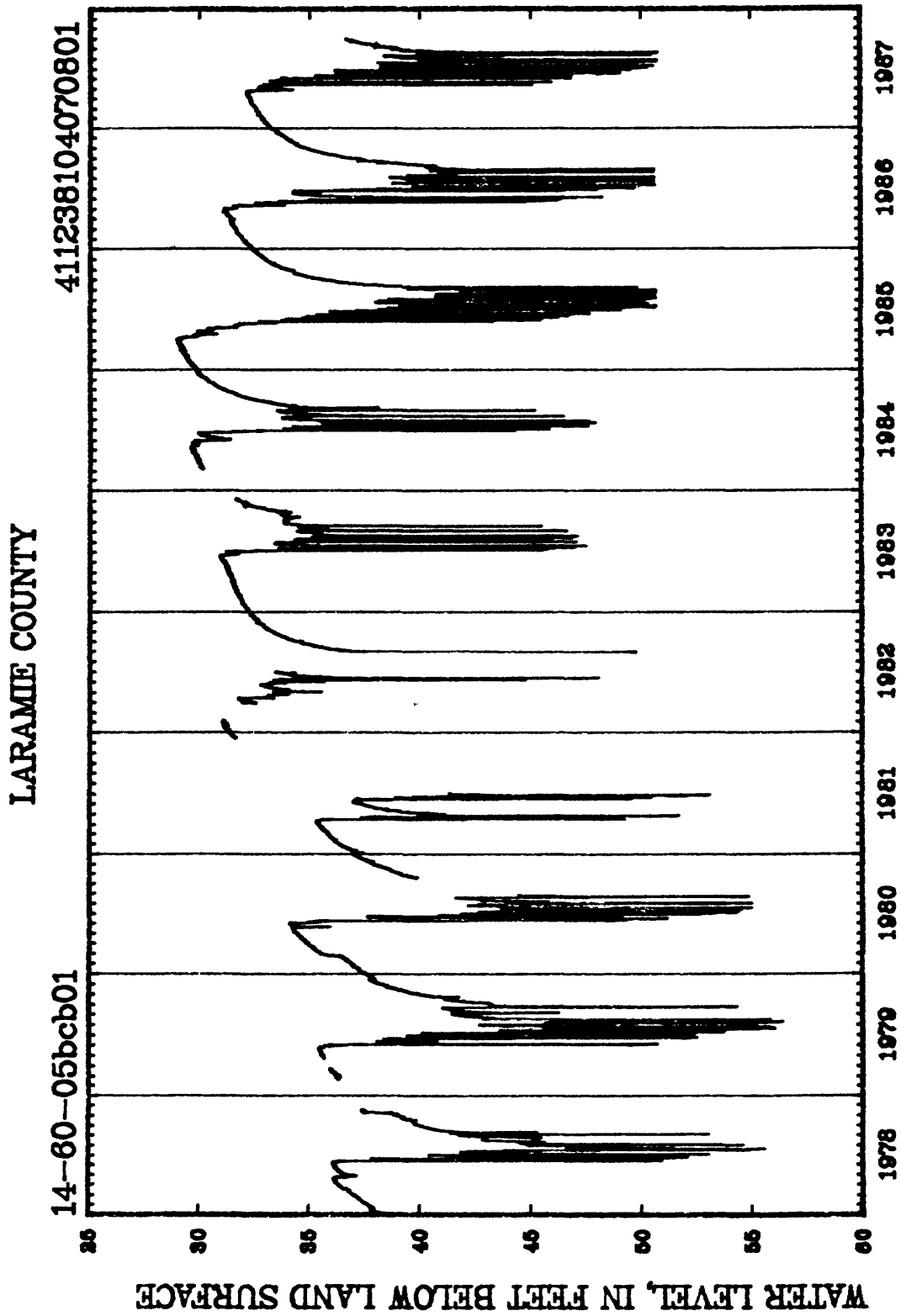




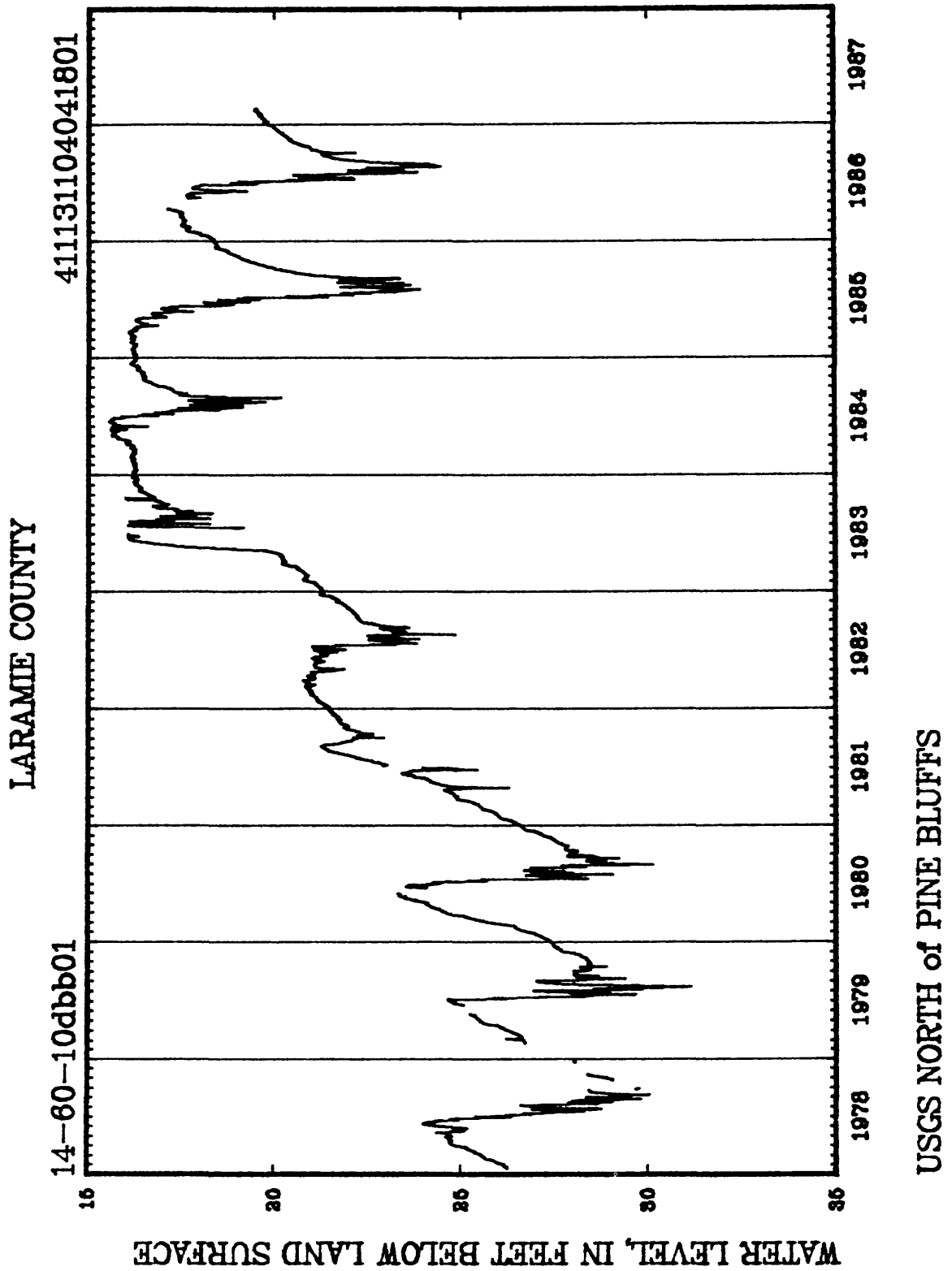


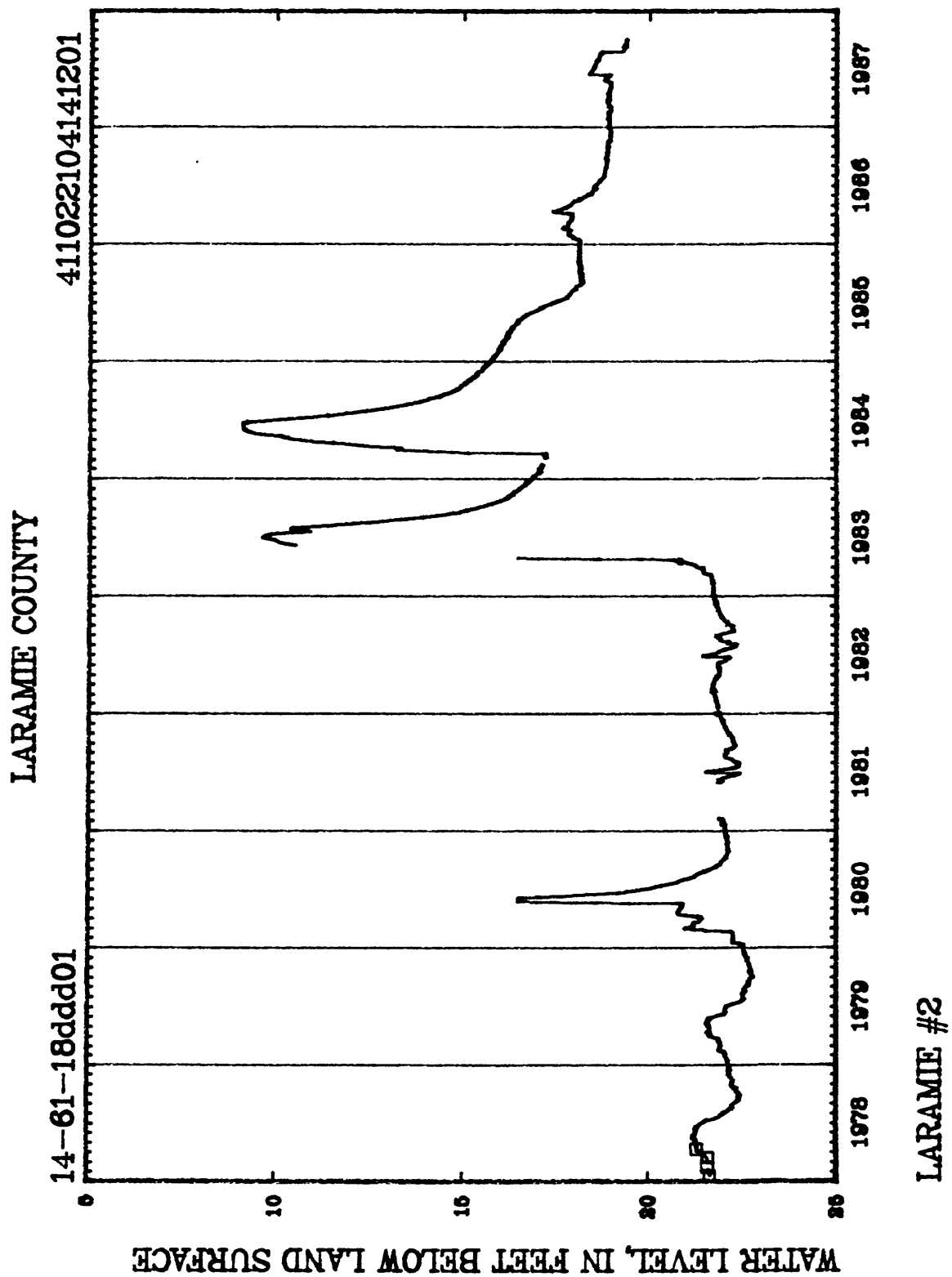
LARAMIE COUNTY #14 WINCHESTER HILLS

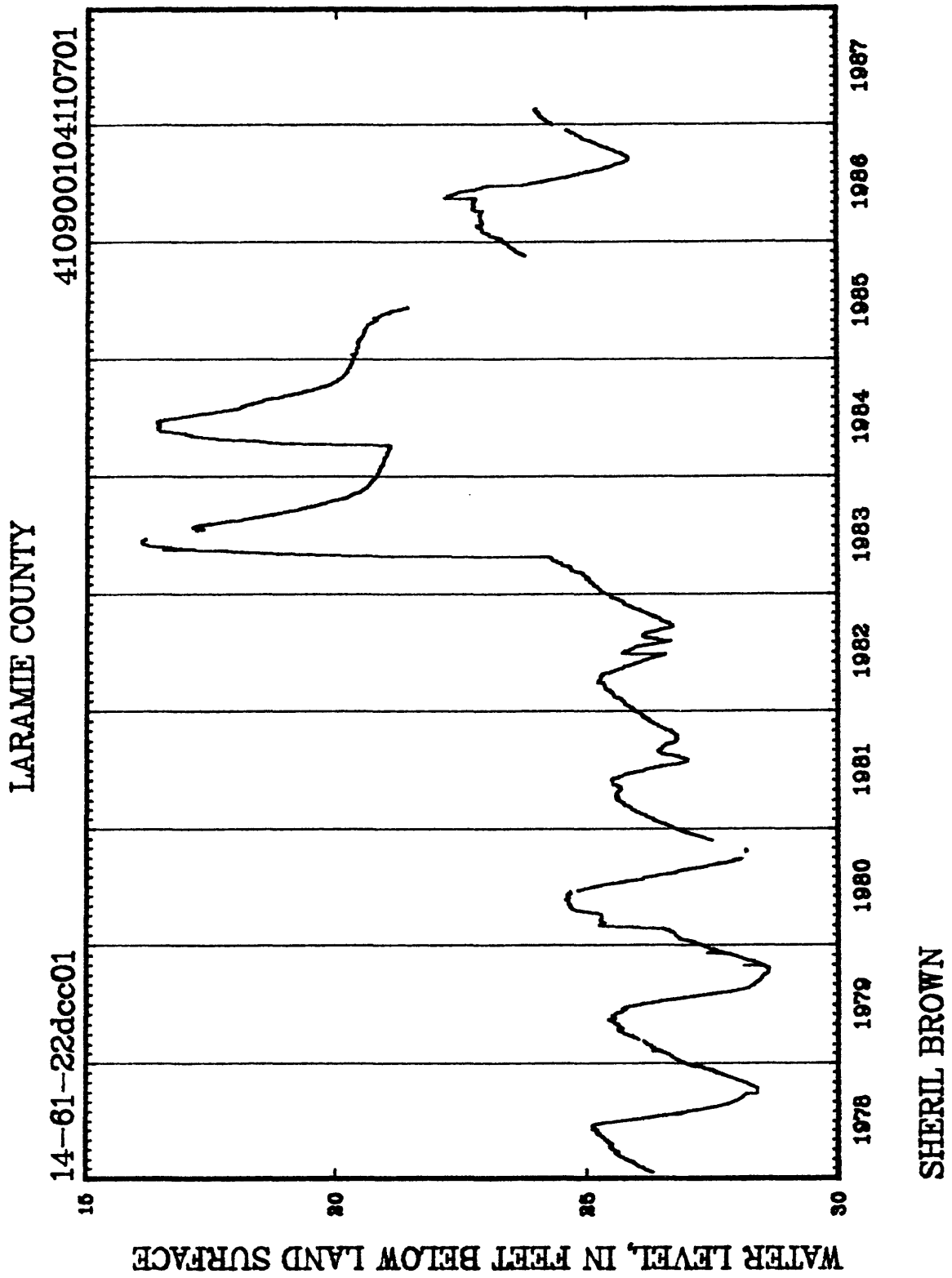


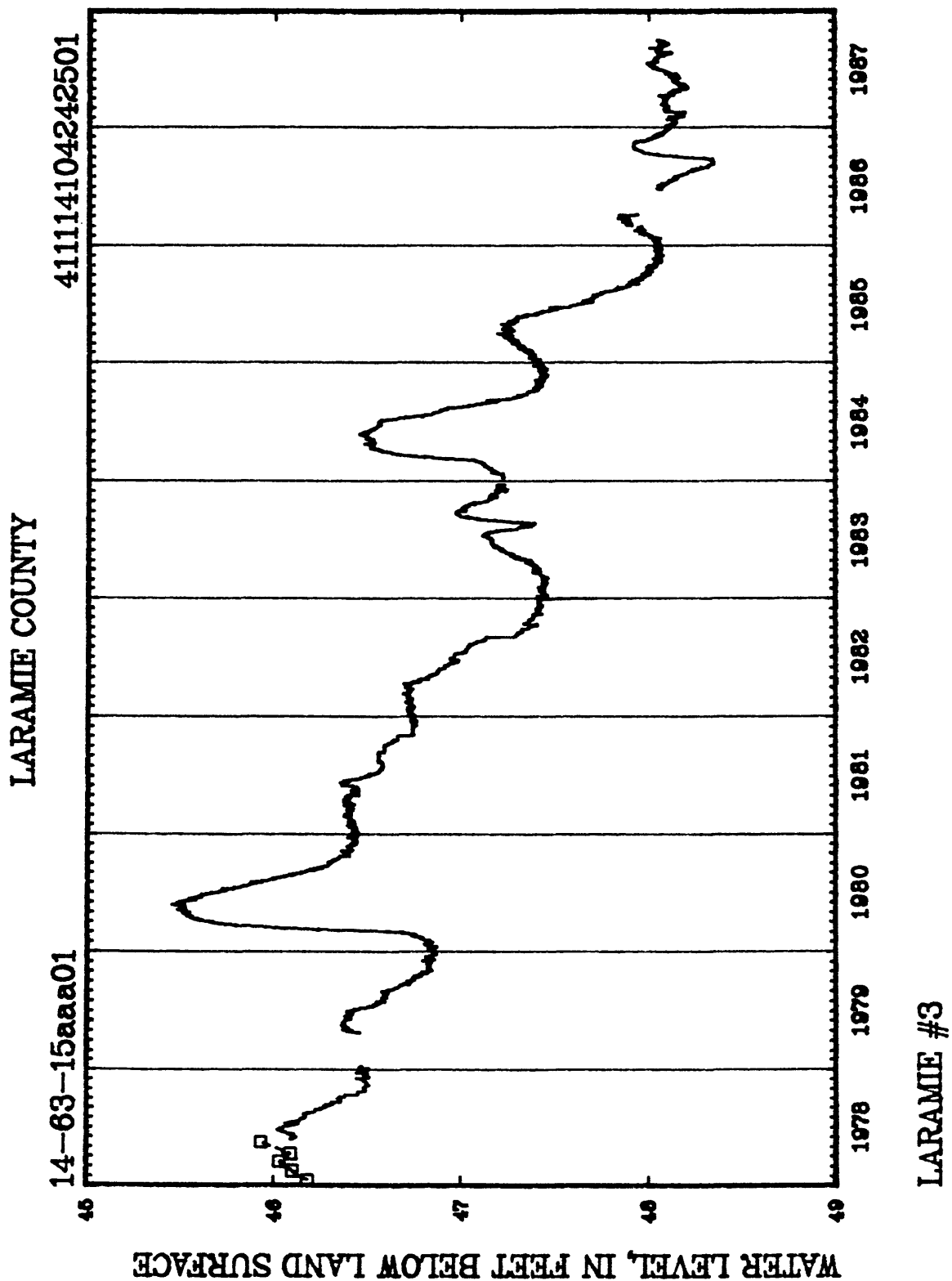


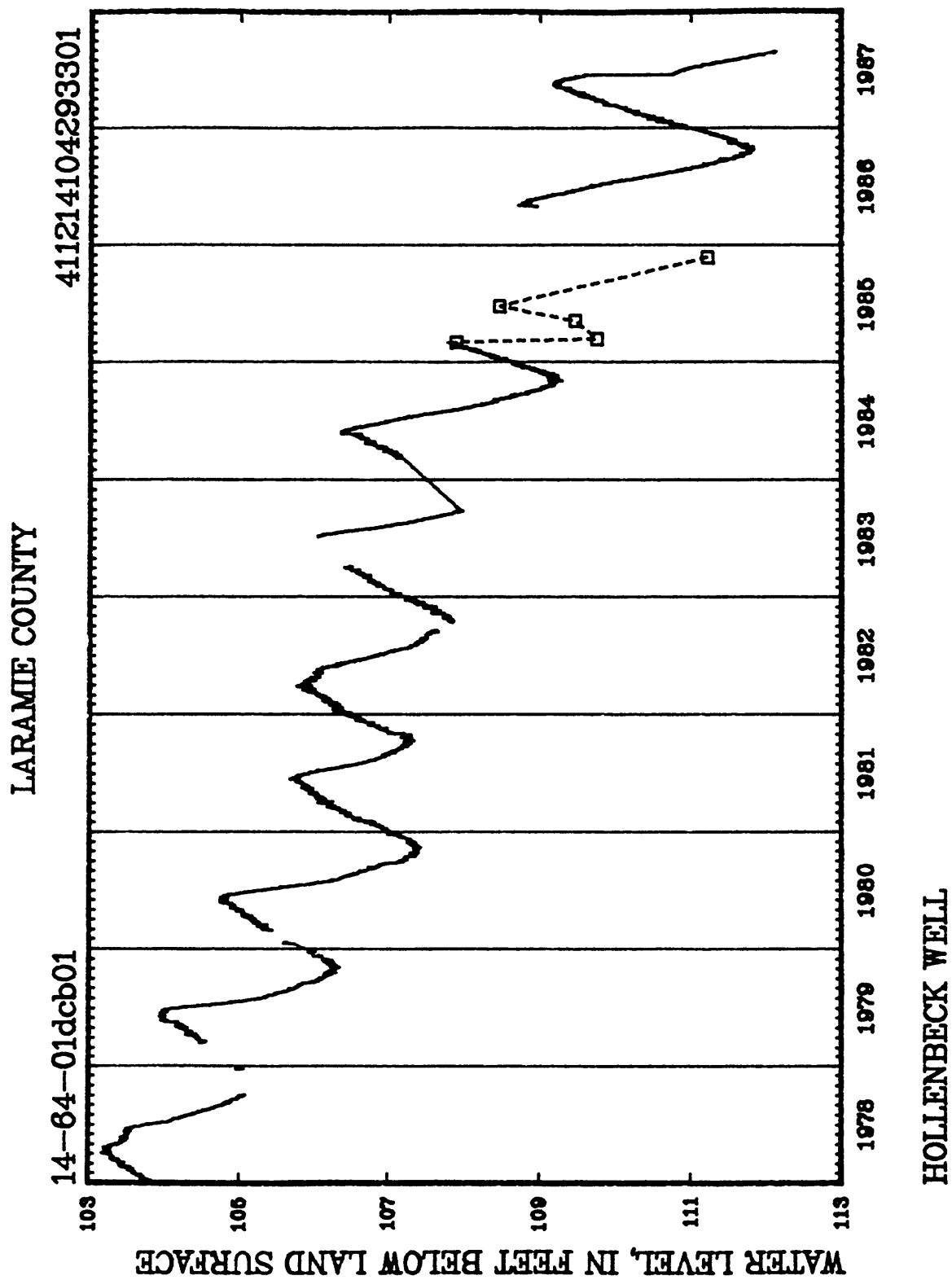
C. C. GROSS

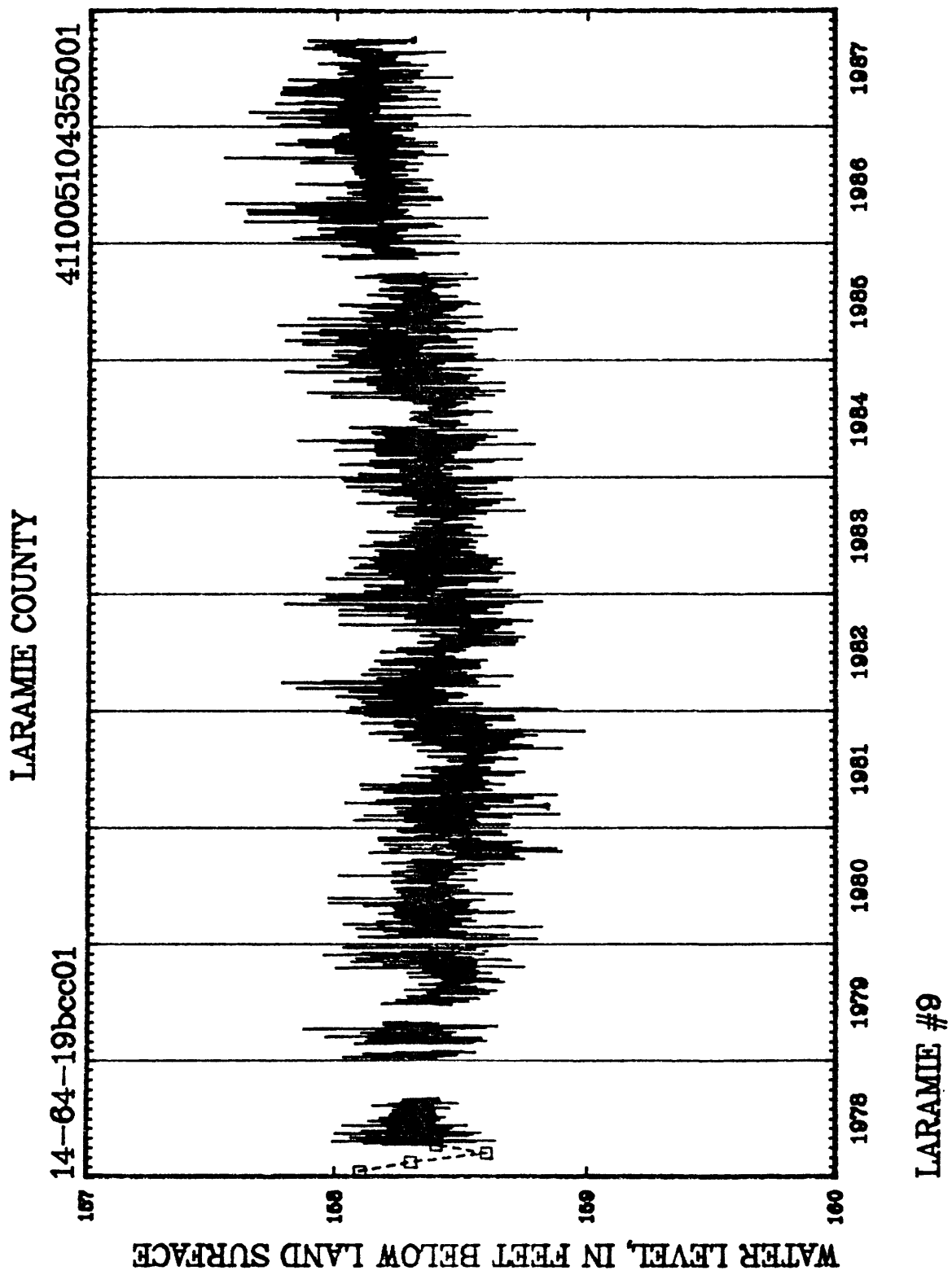


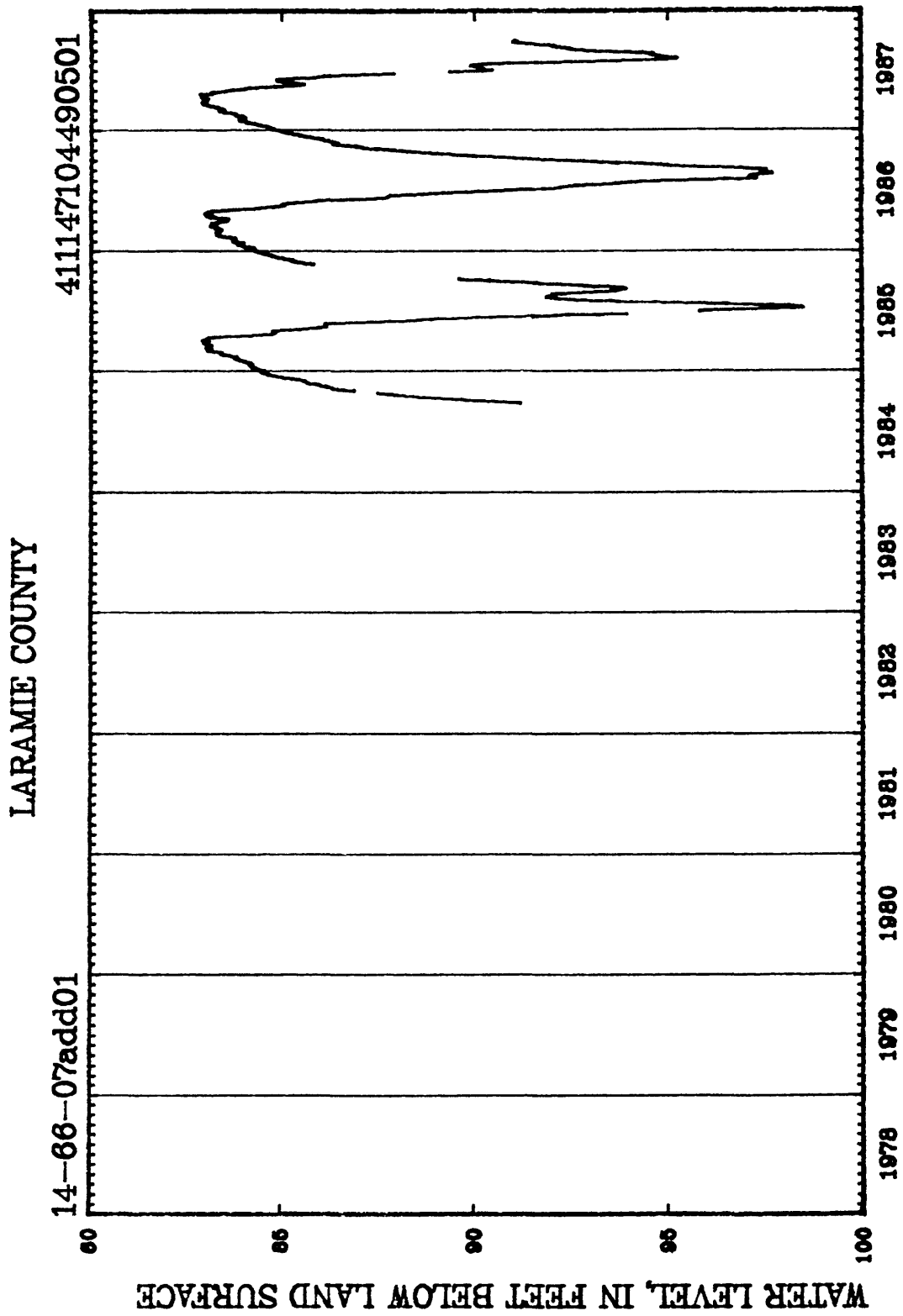




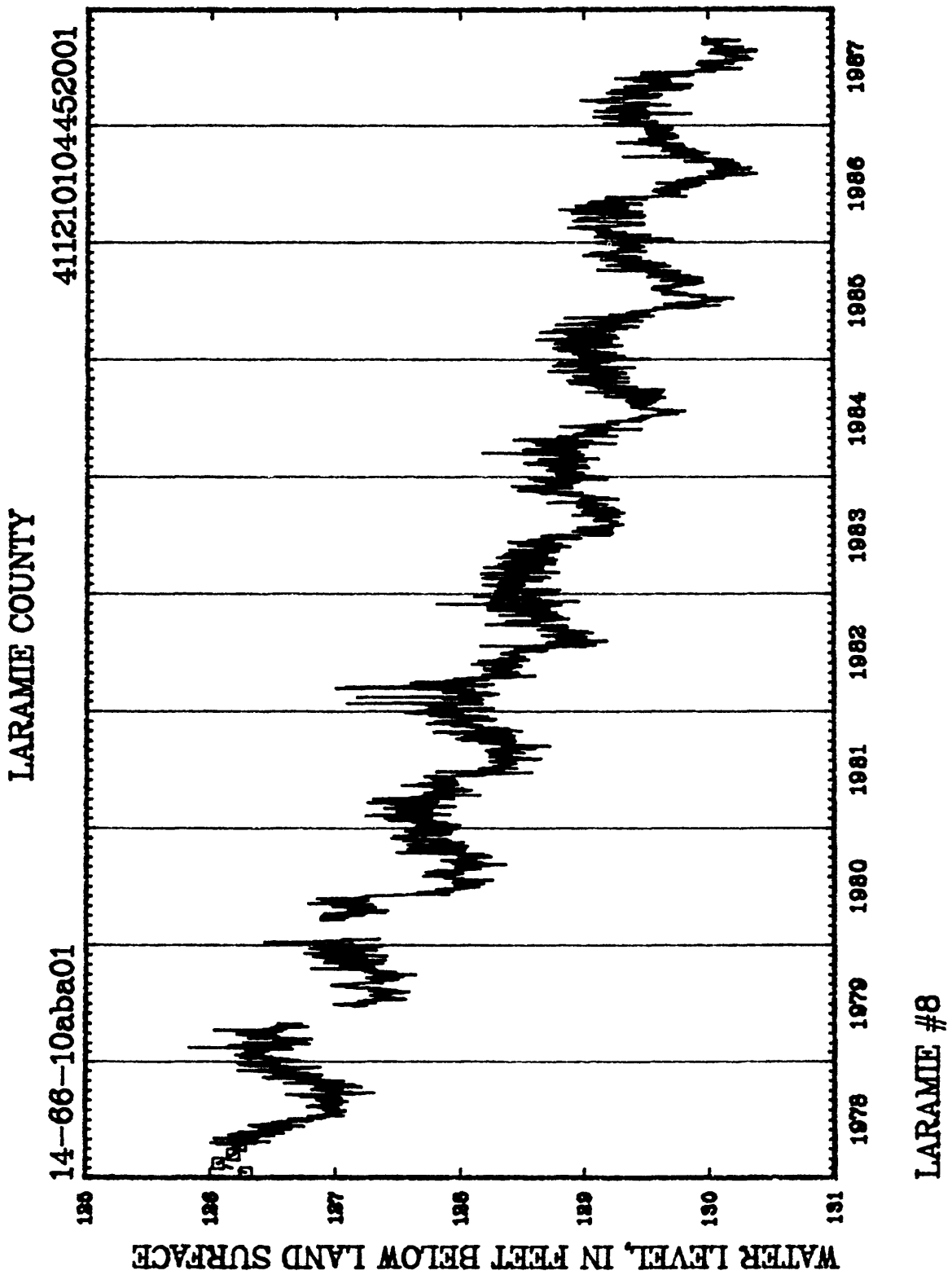


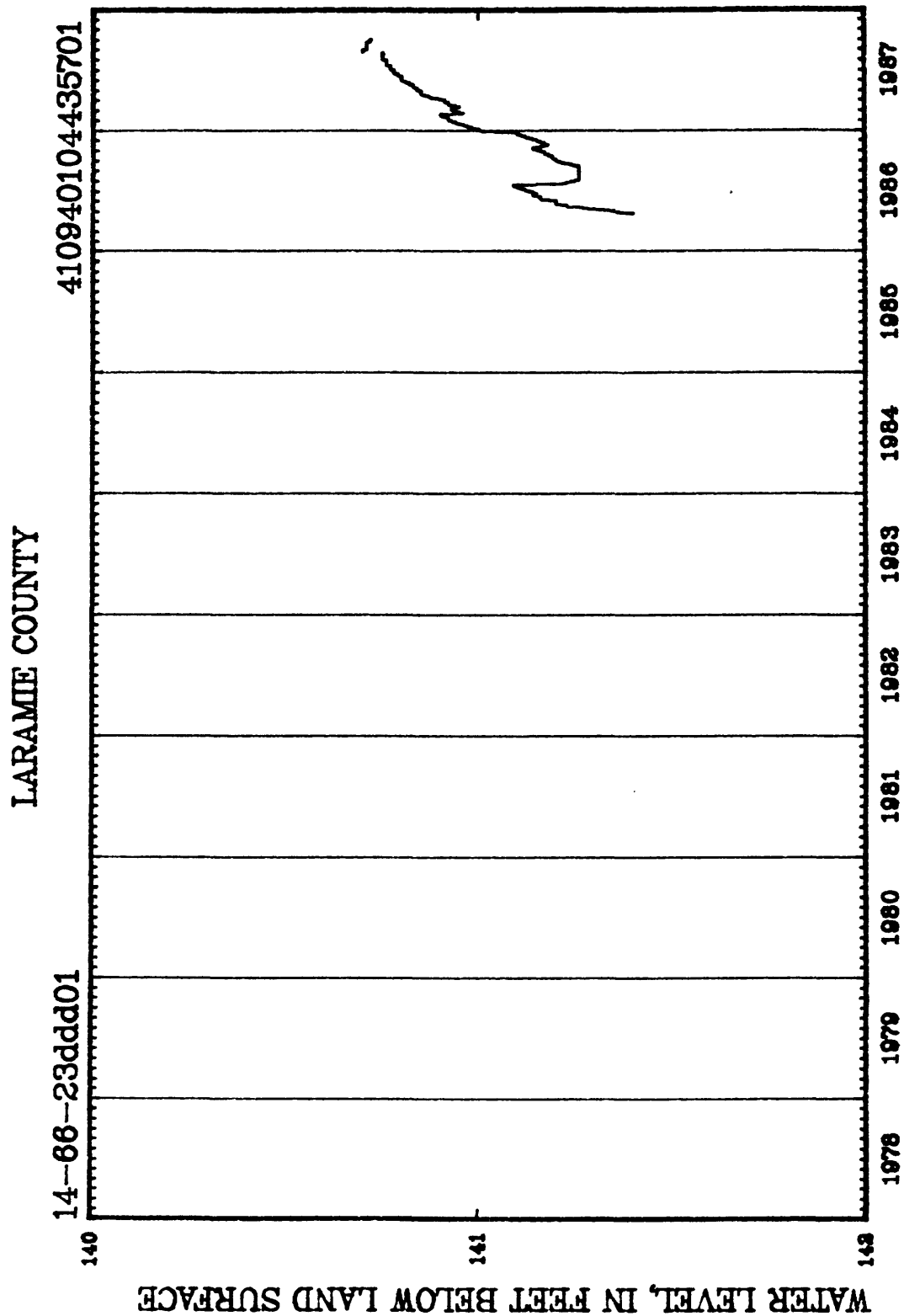




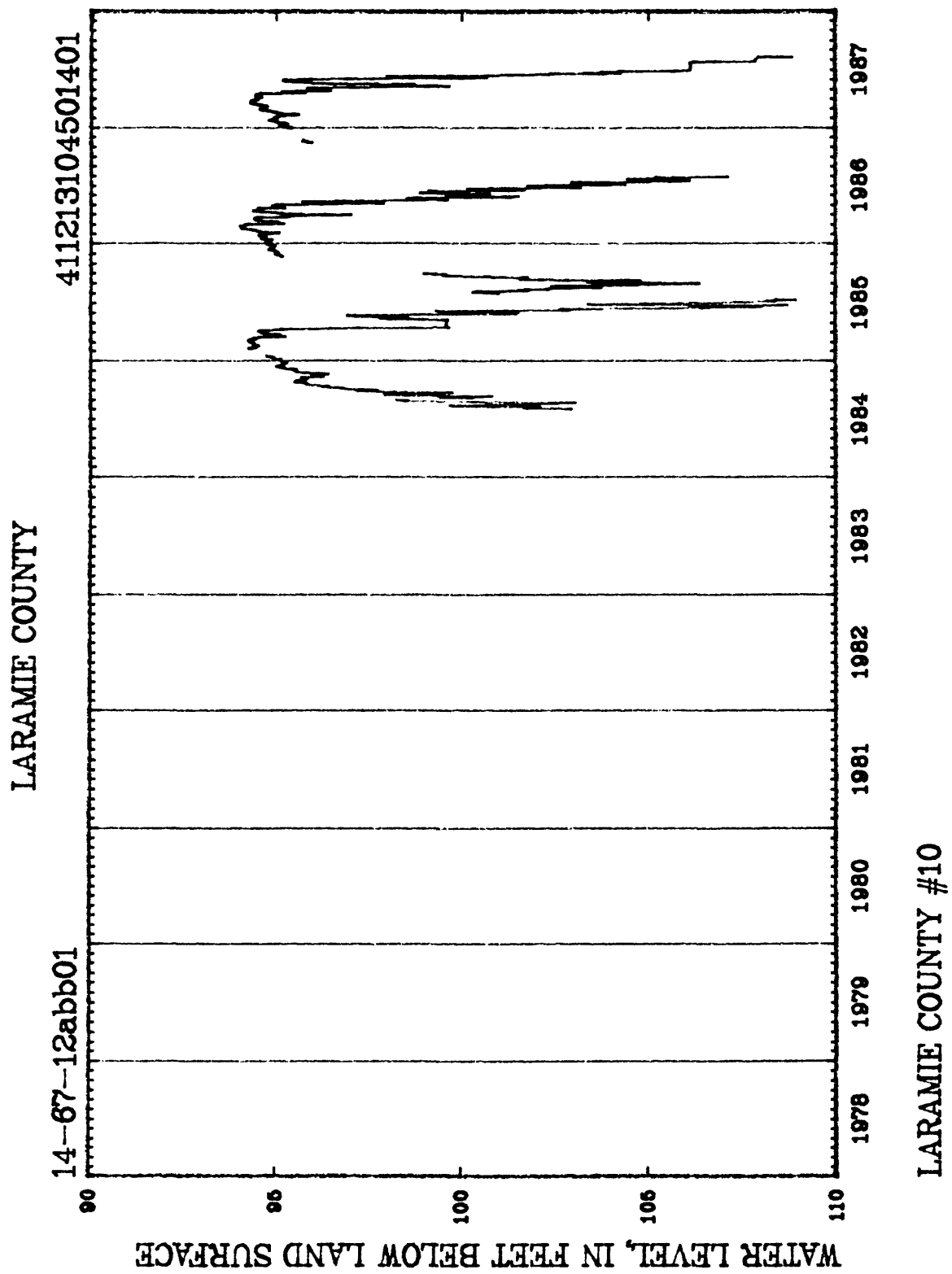


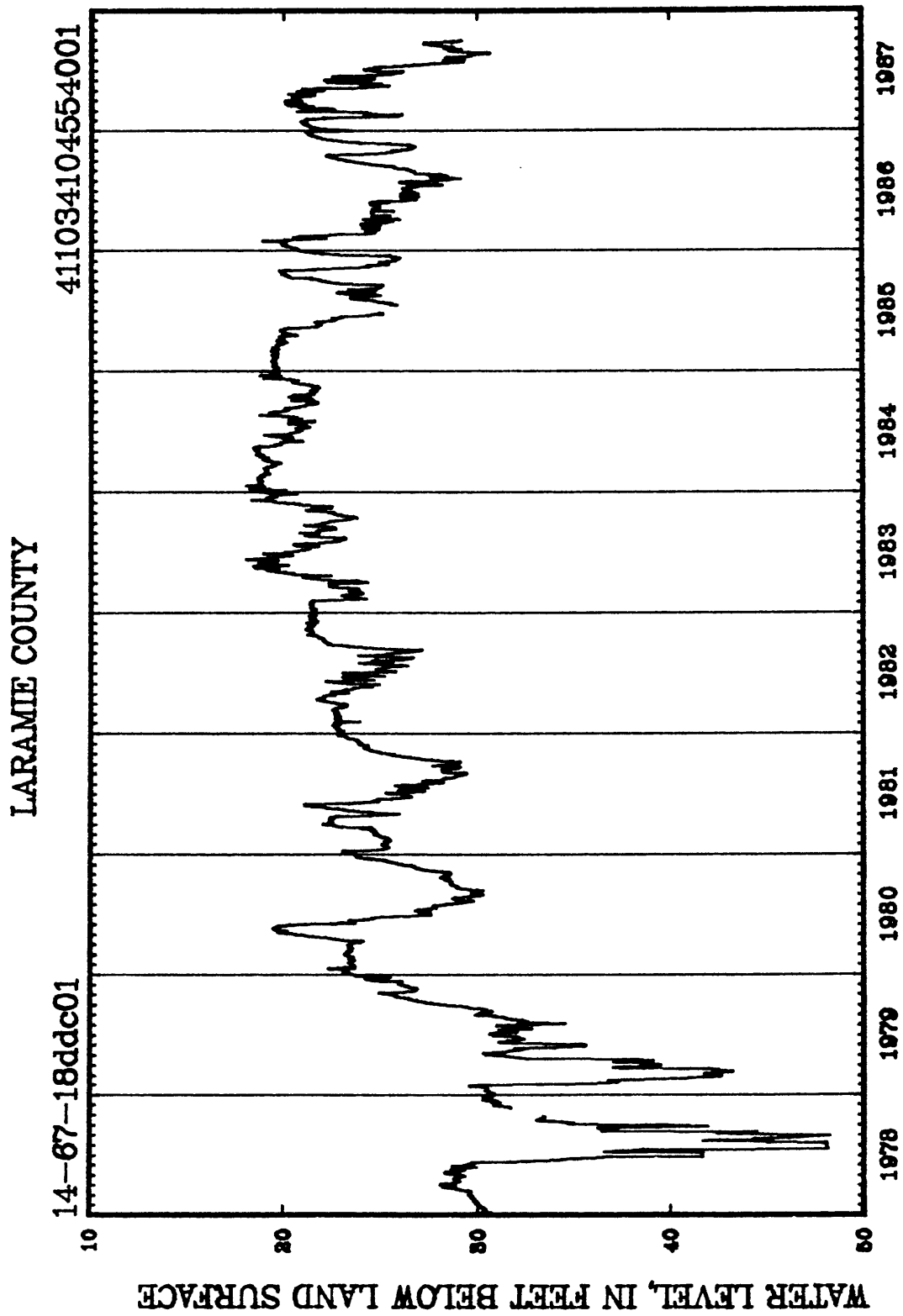
NATIONAL LAND COMPANY #1



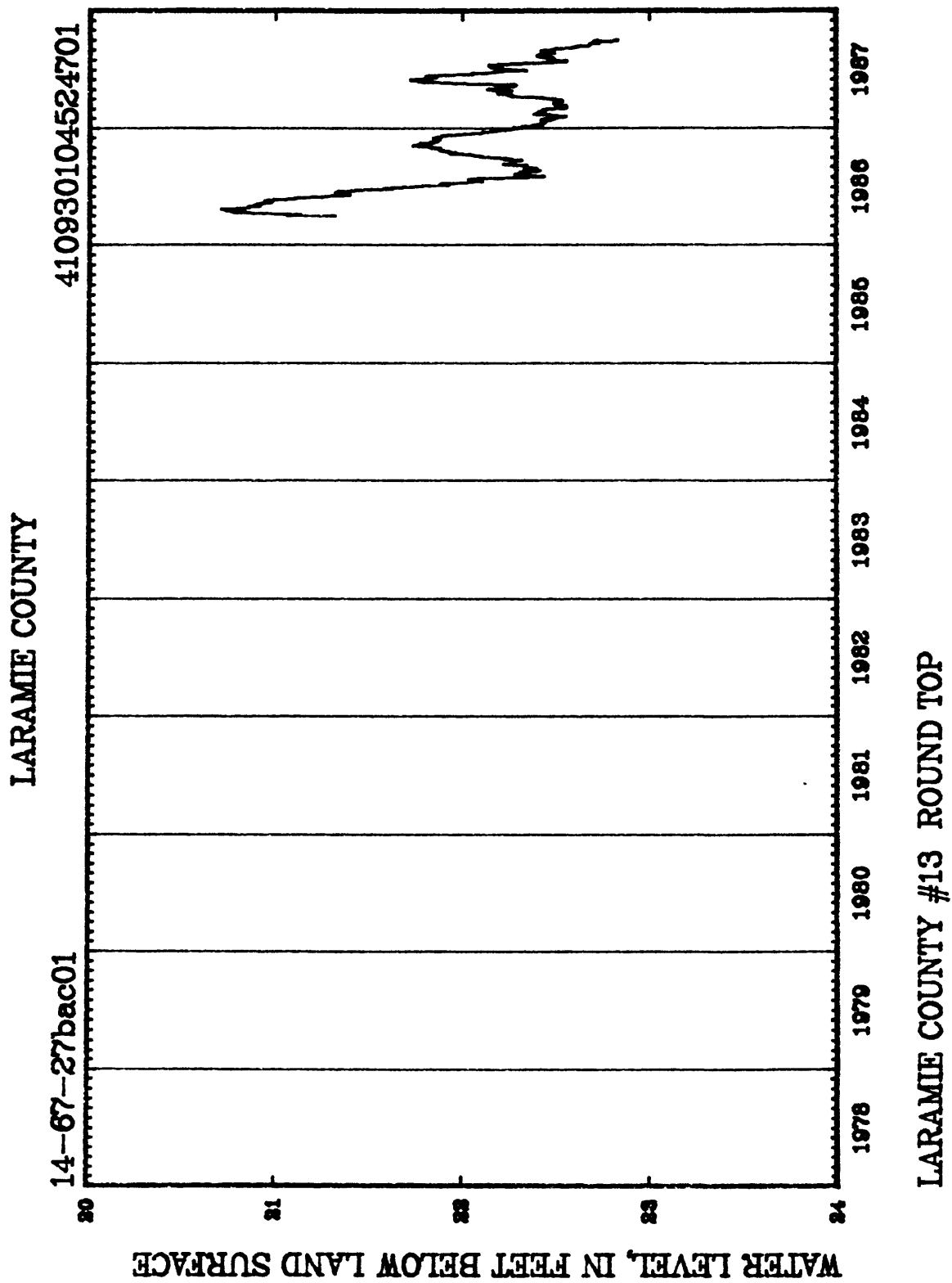


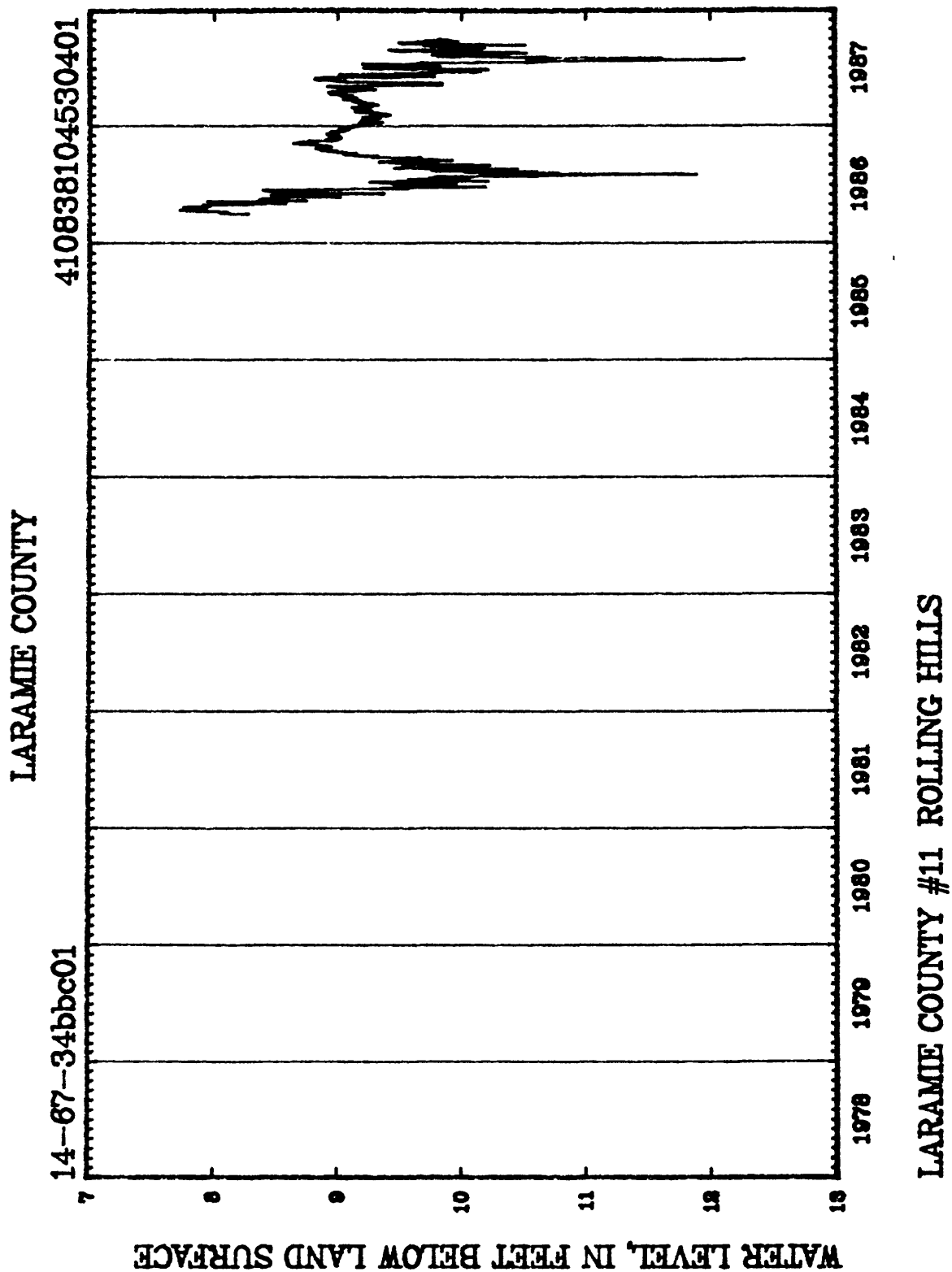
LARAMIE COUNTY #15 WHITNEY ROAD

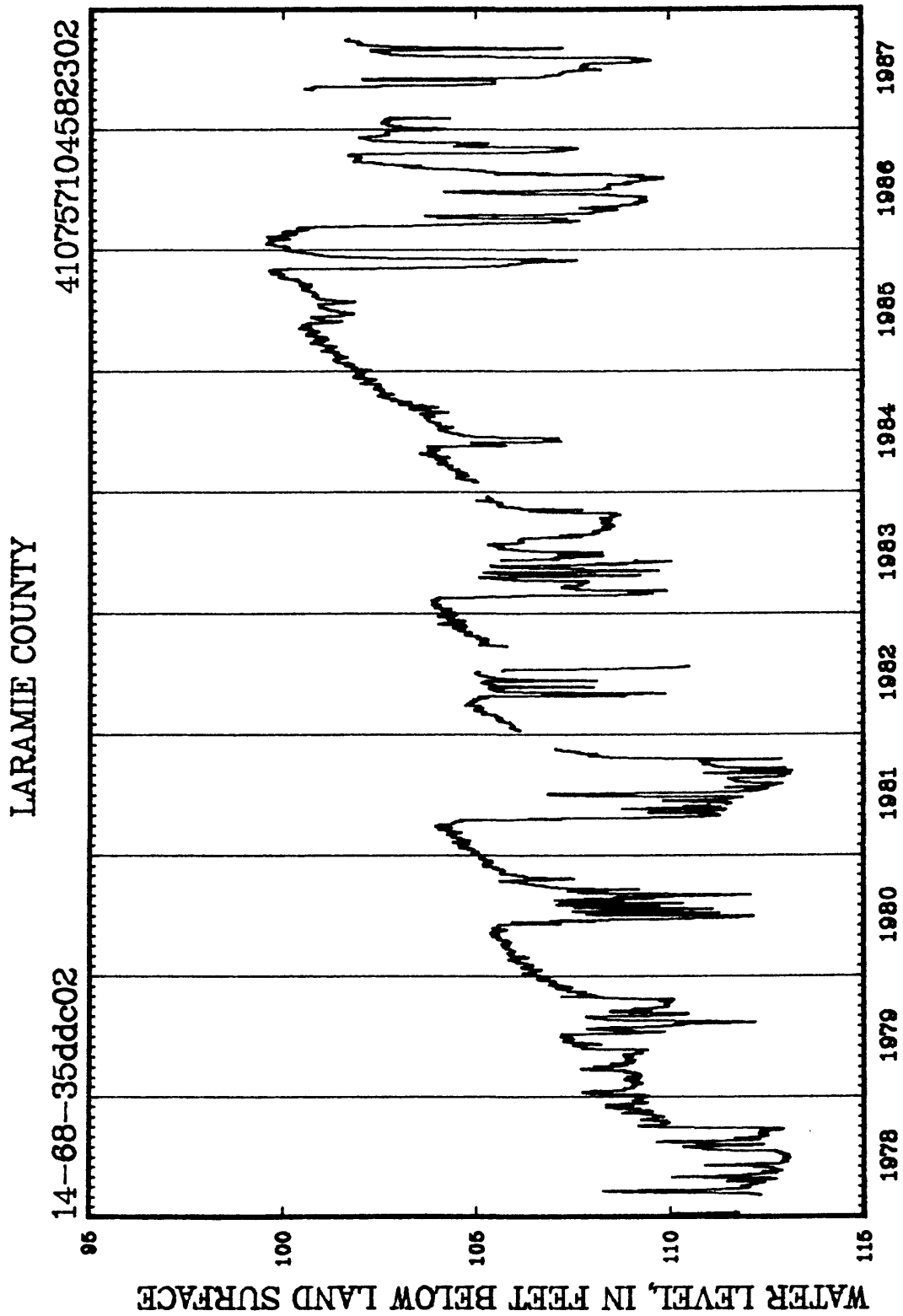




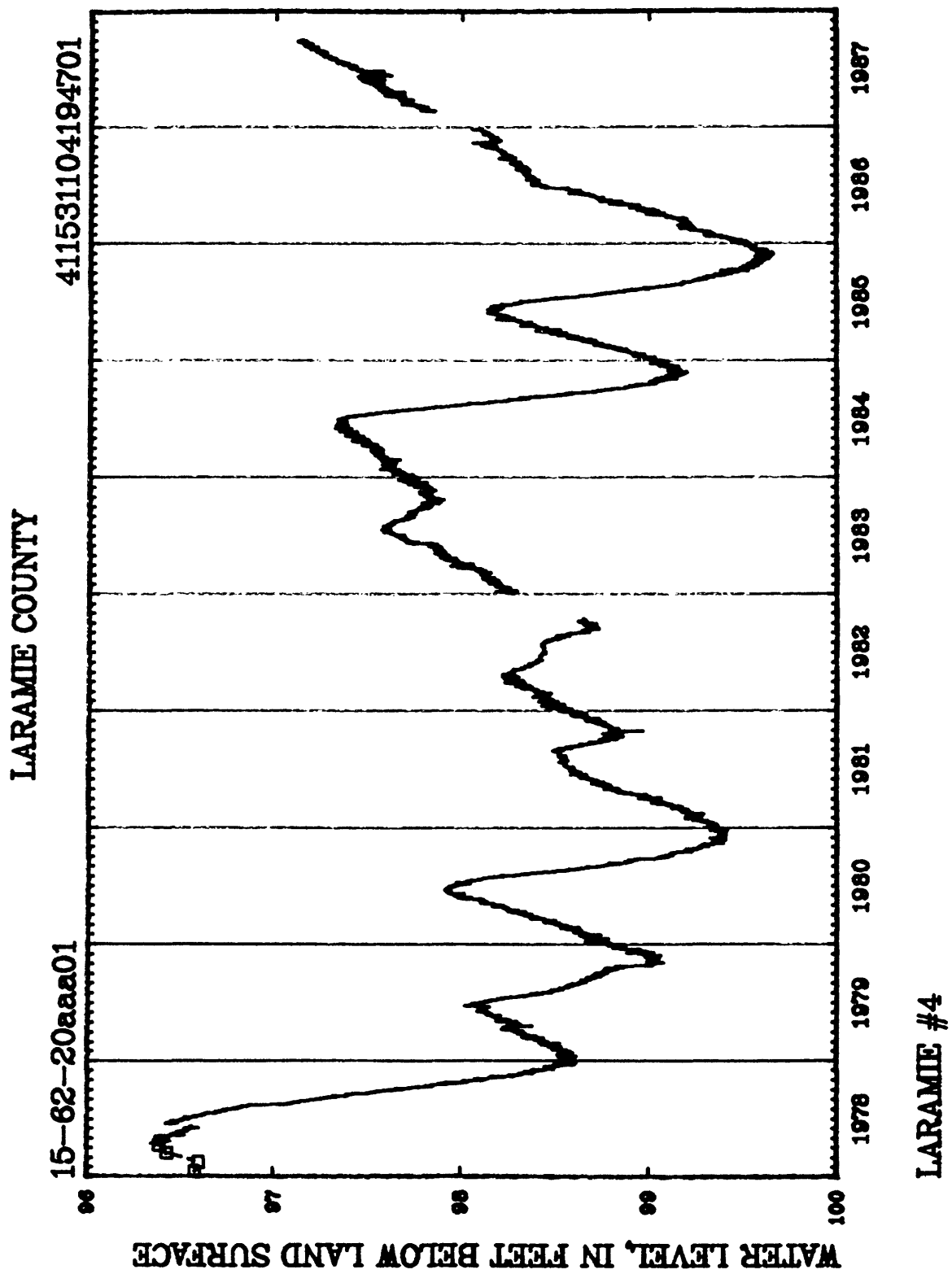
BELL #14 POLO RANCH

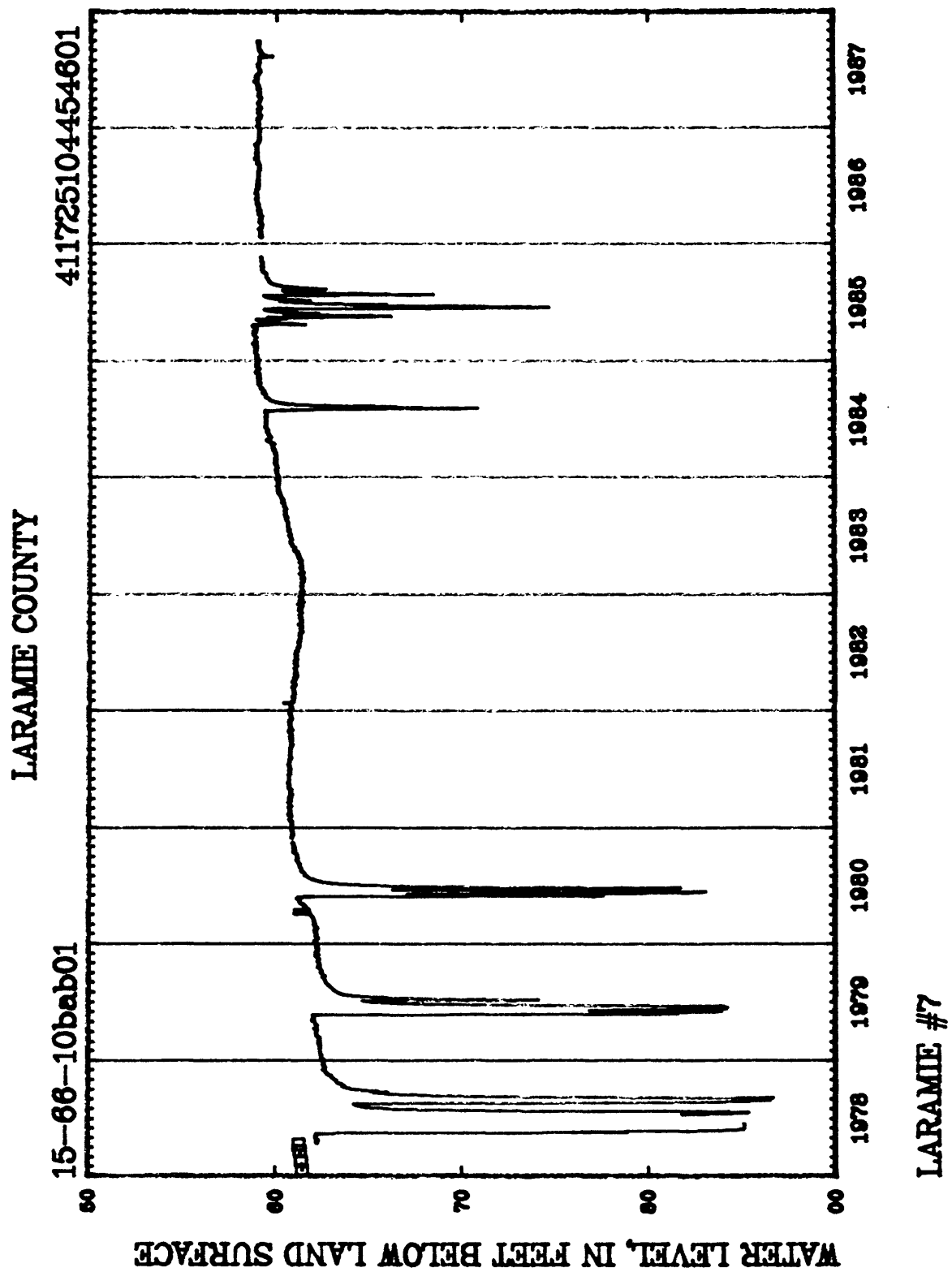


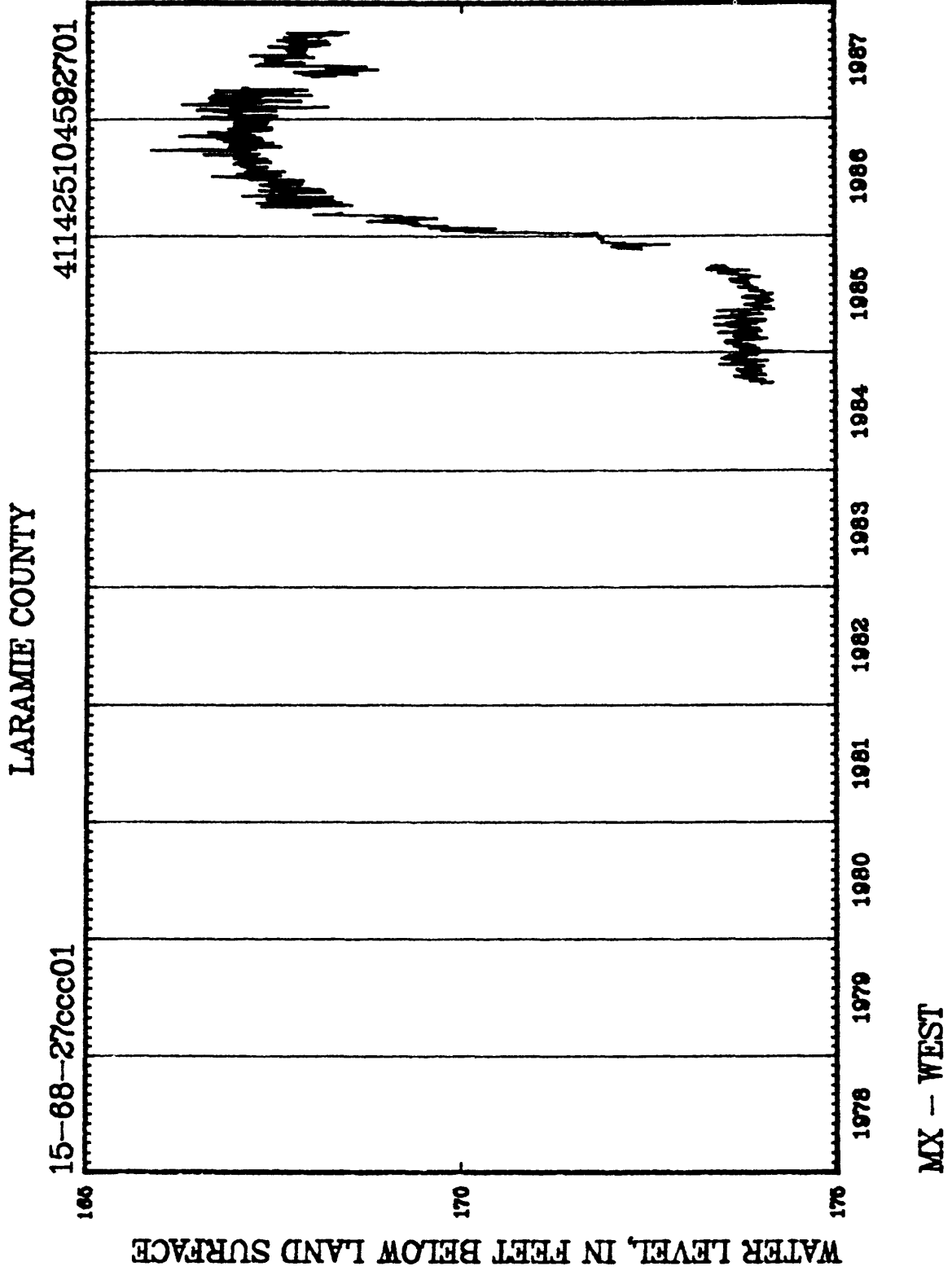


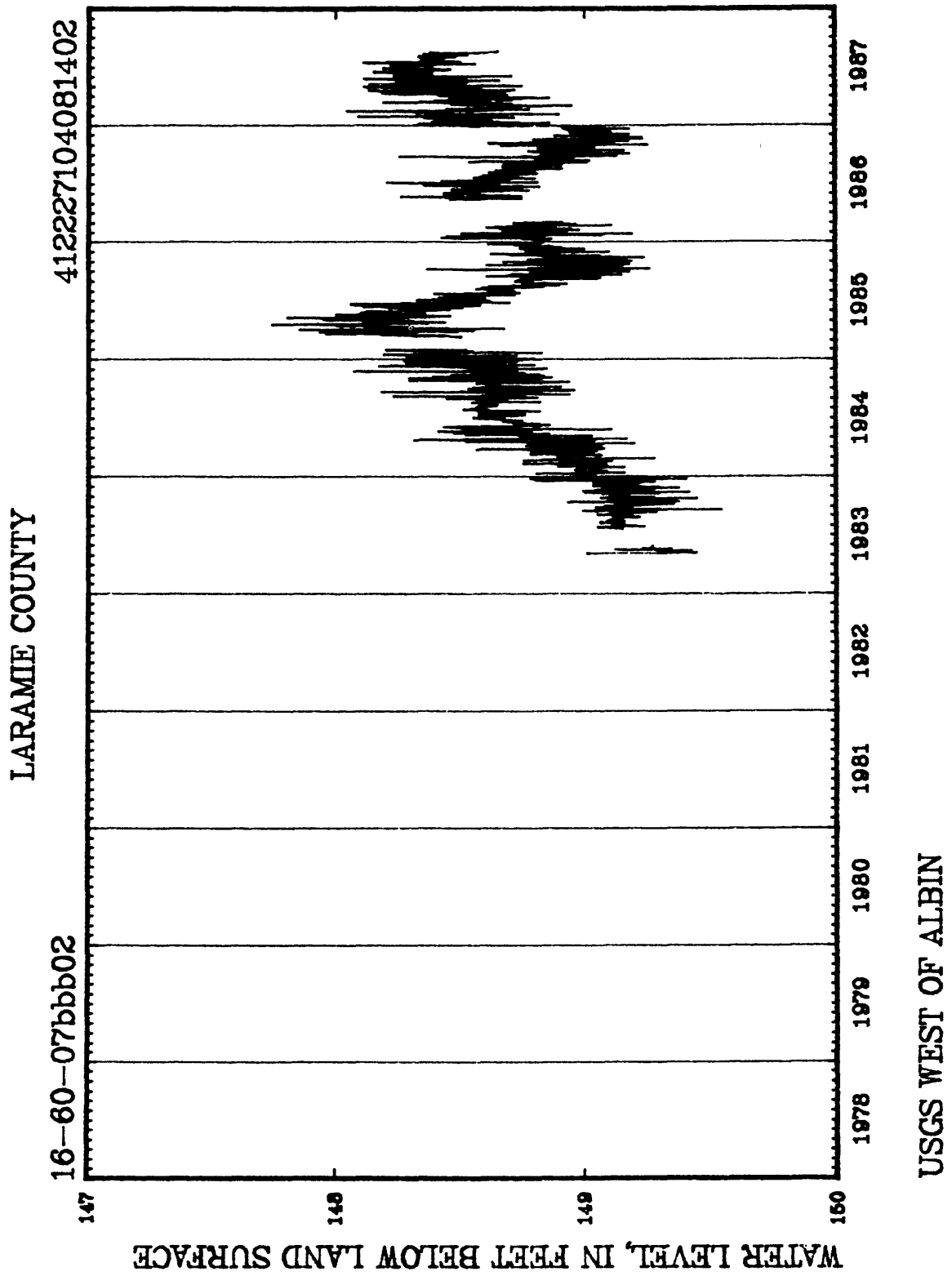


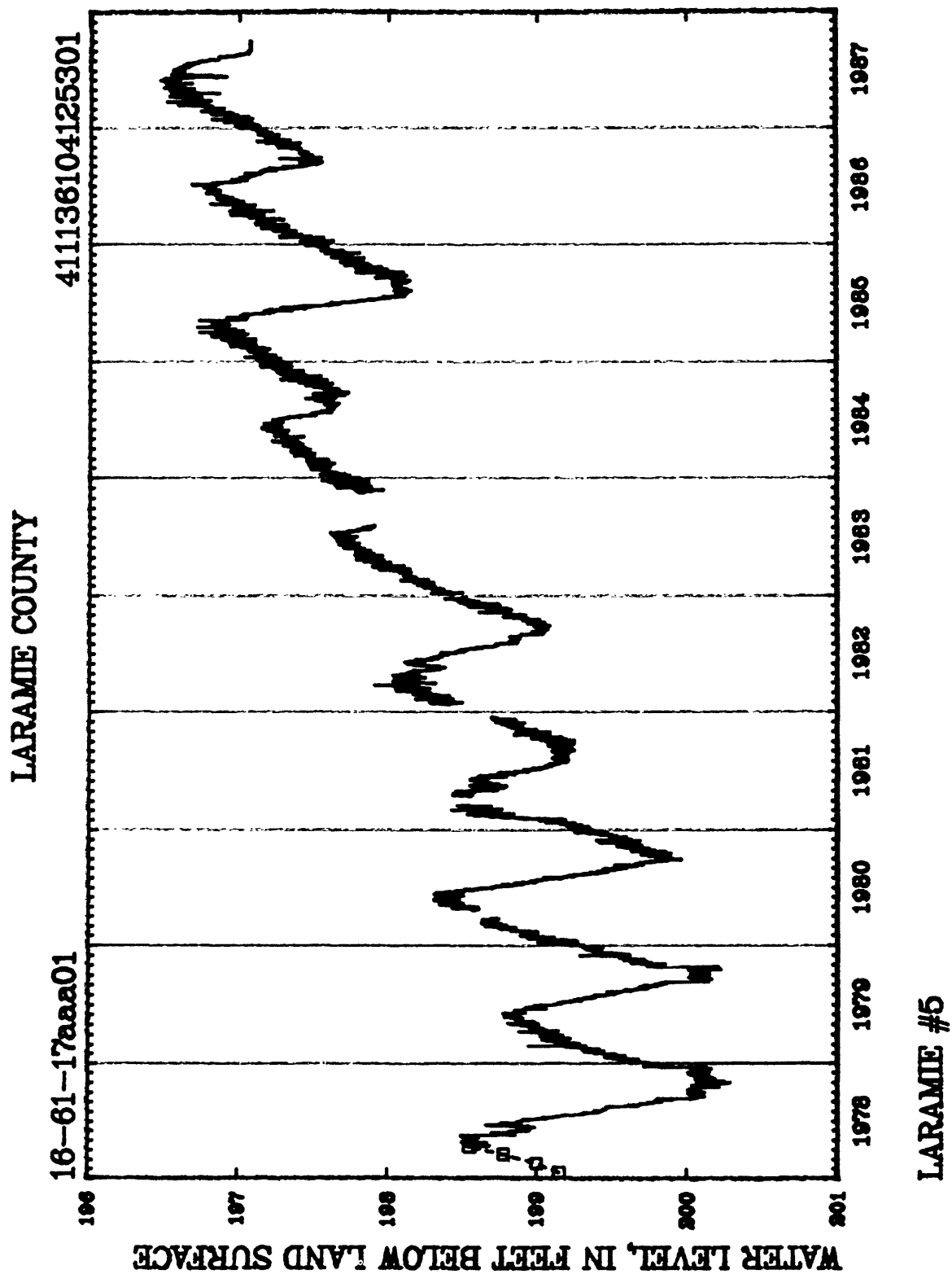
KING #3

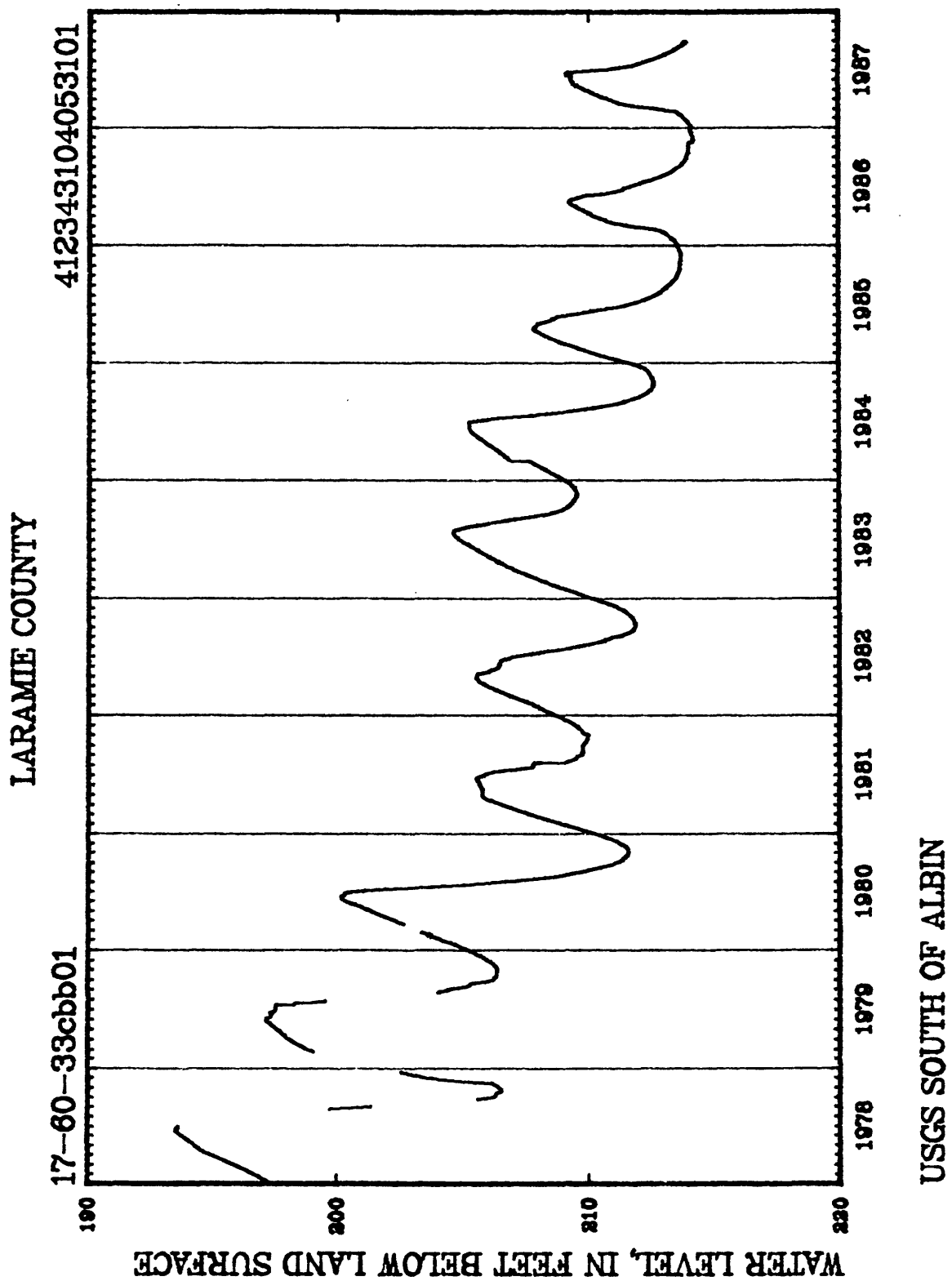


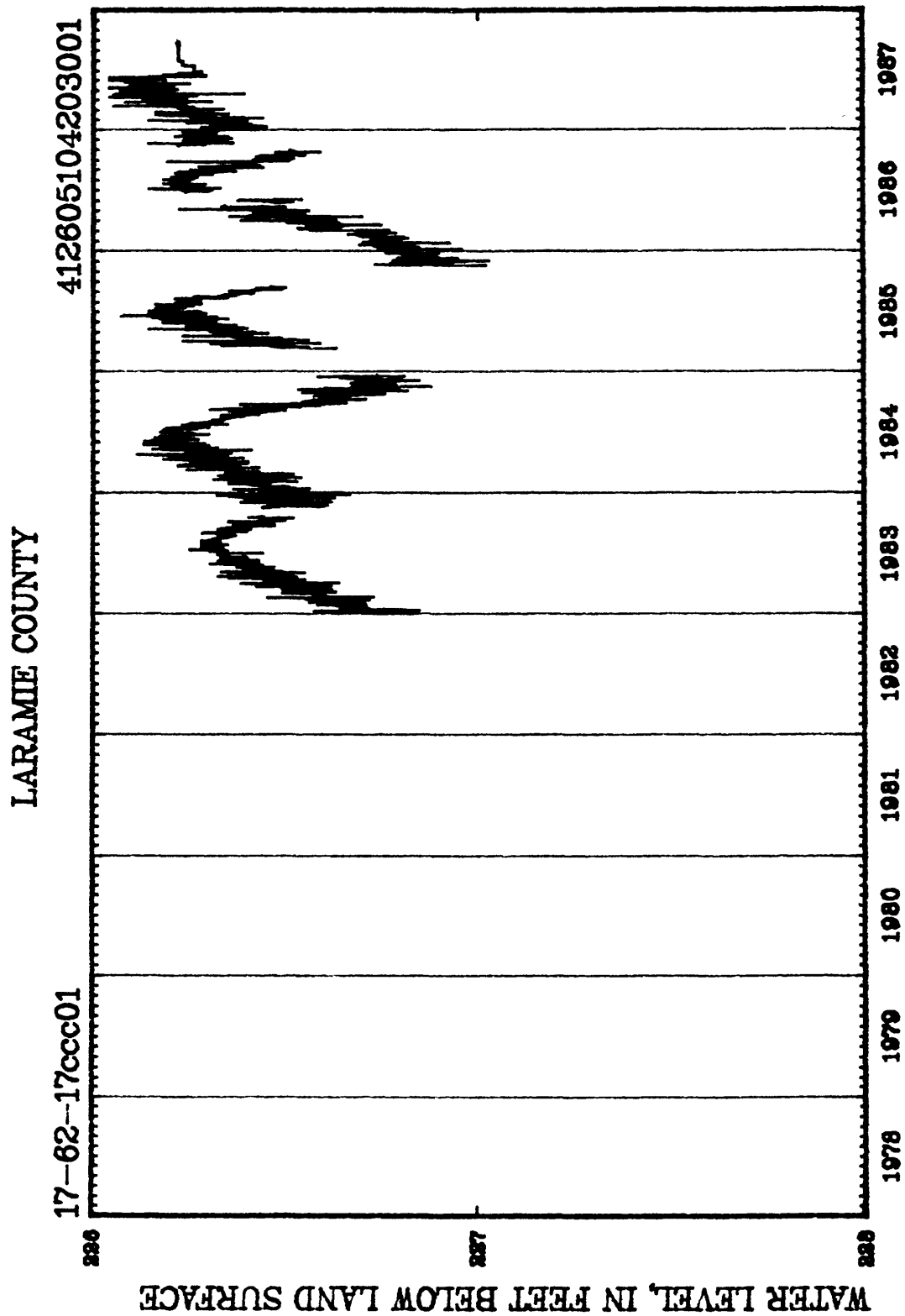




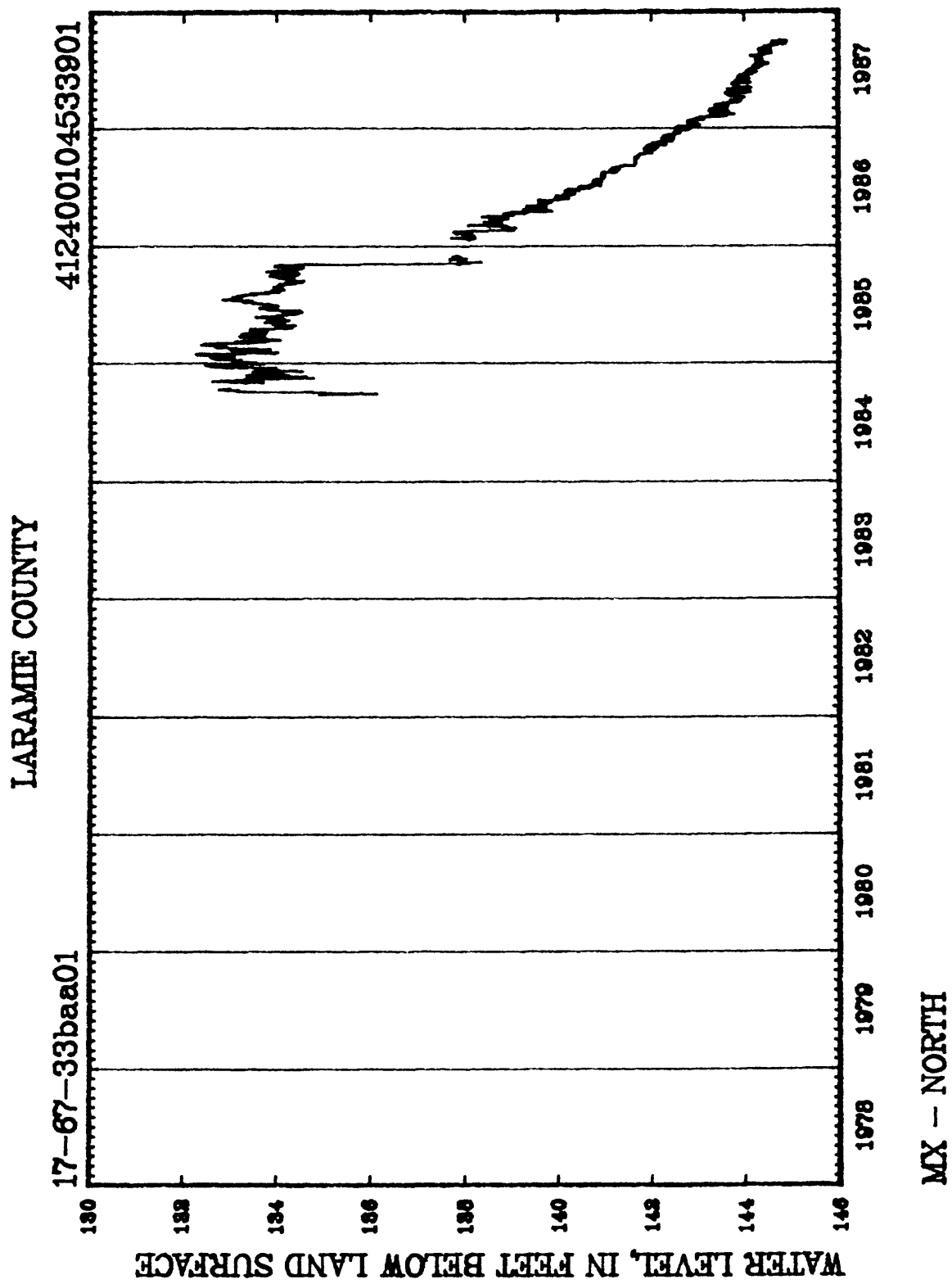








LARAMIE #6A



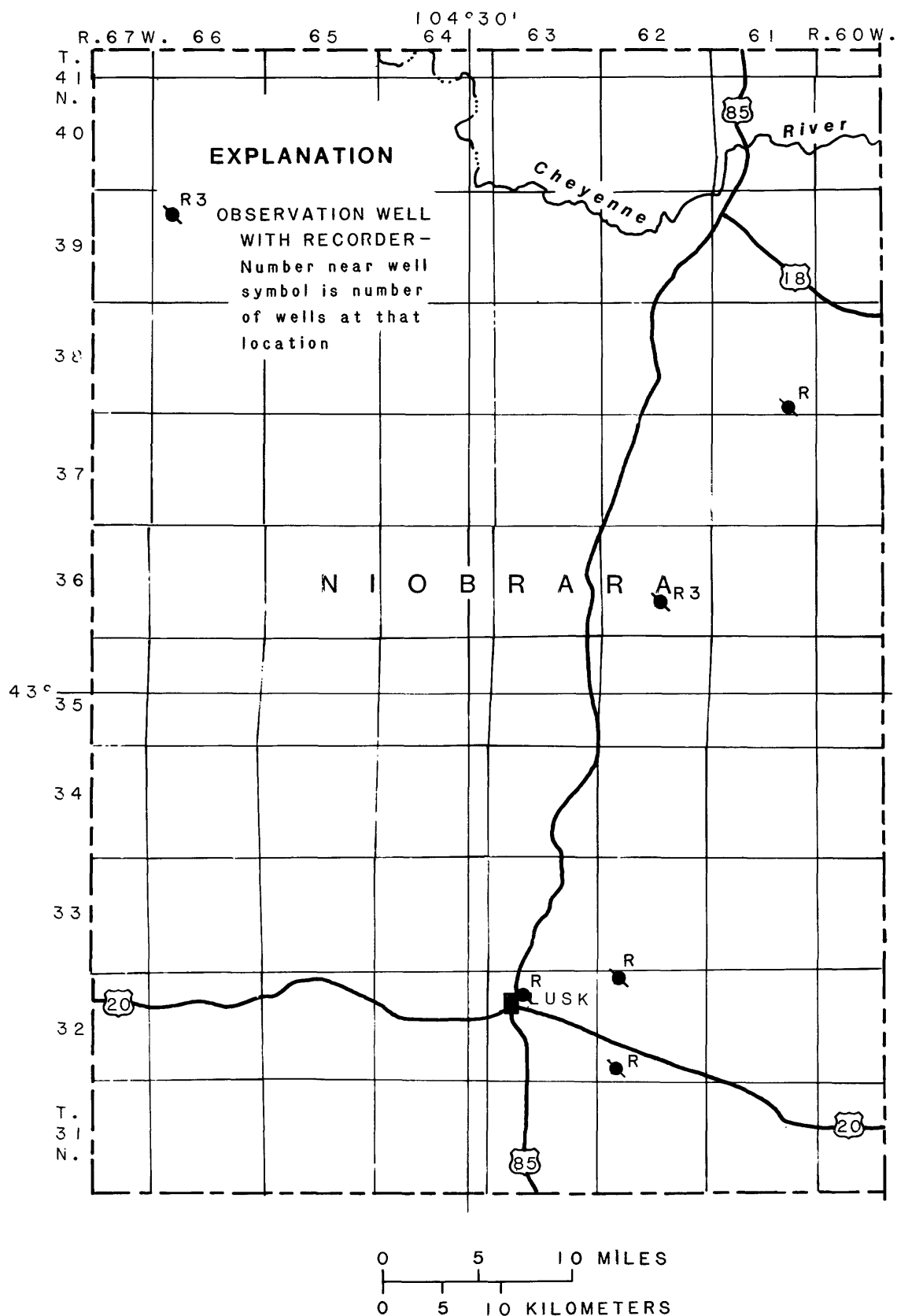
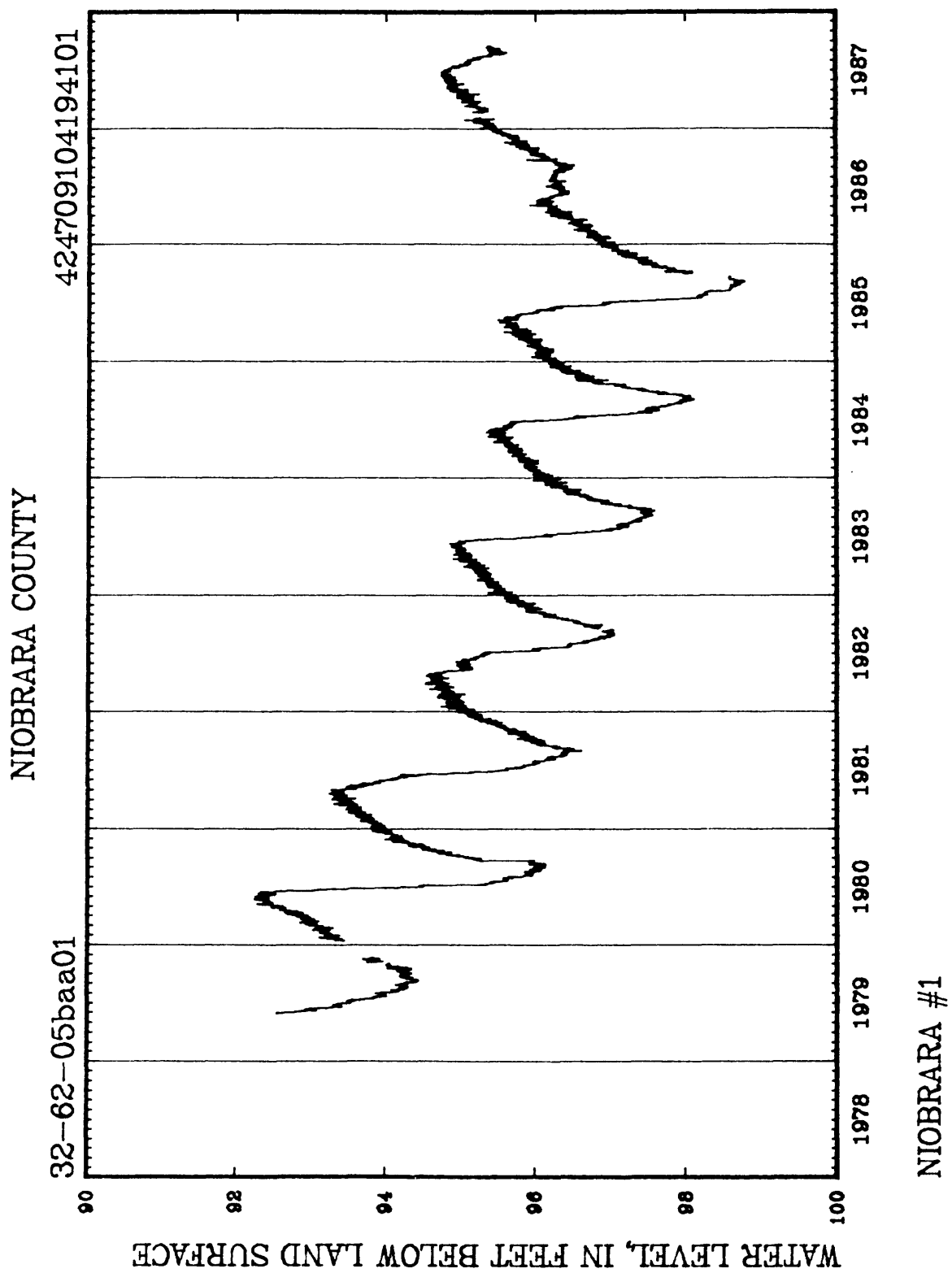


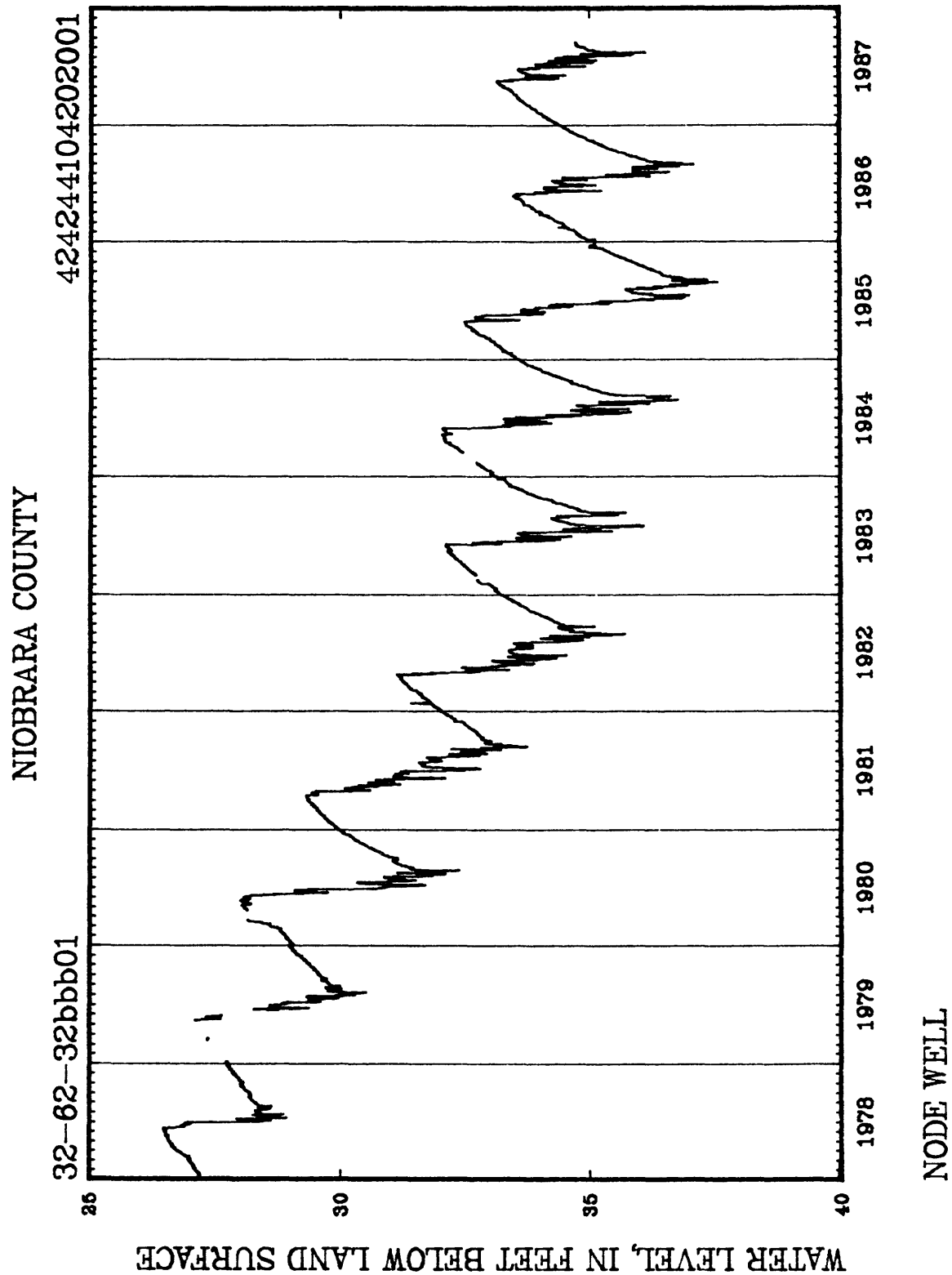
Figure 12.--Location of observation wells in Niobrara County, Wyoming.

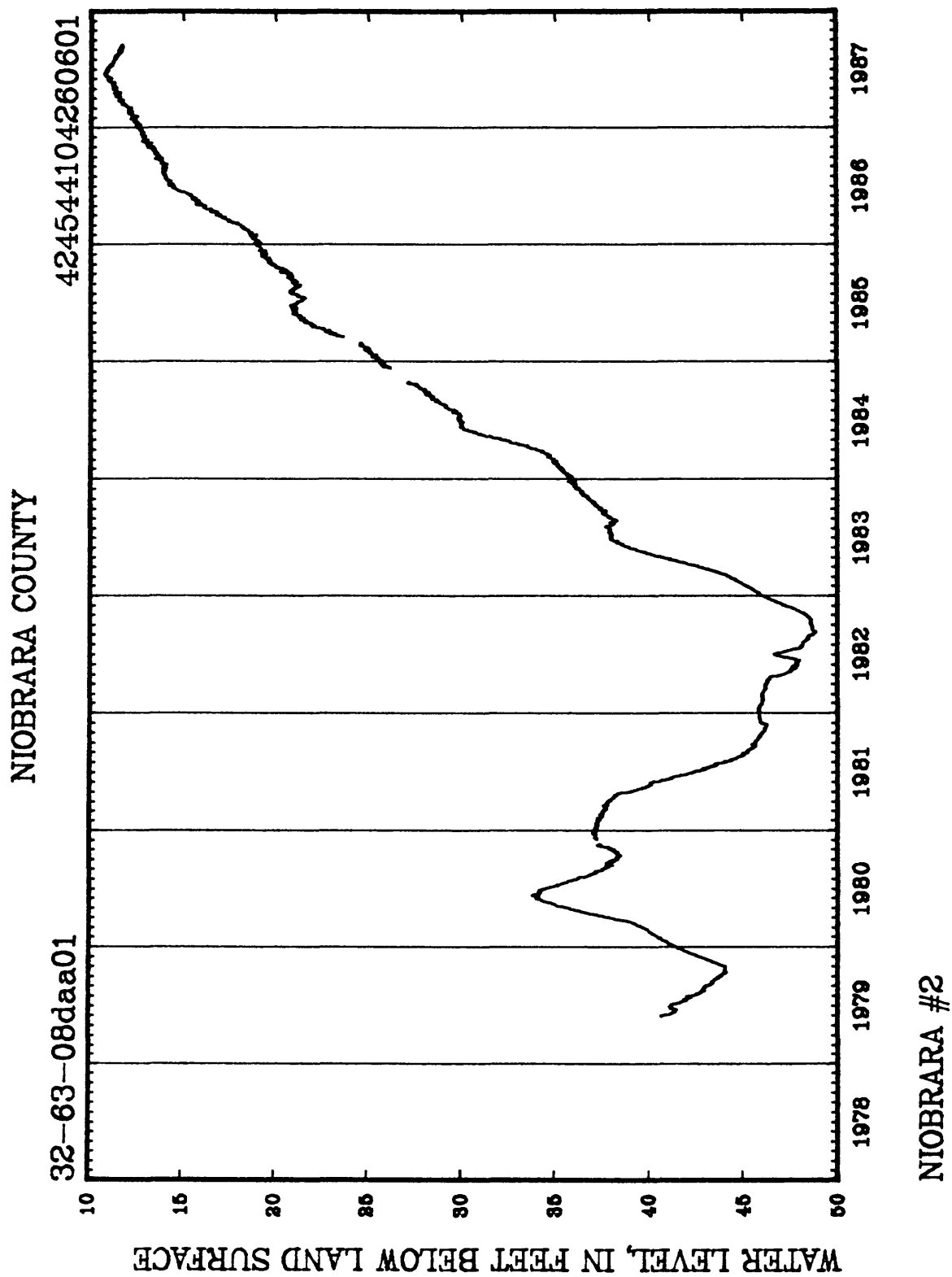
Records of observation wells in Niobrara County, Wyoming, and highest and lowest recorded water levels, in feet below land surface.

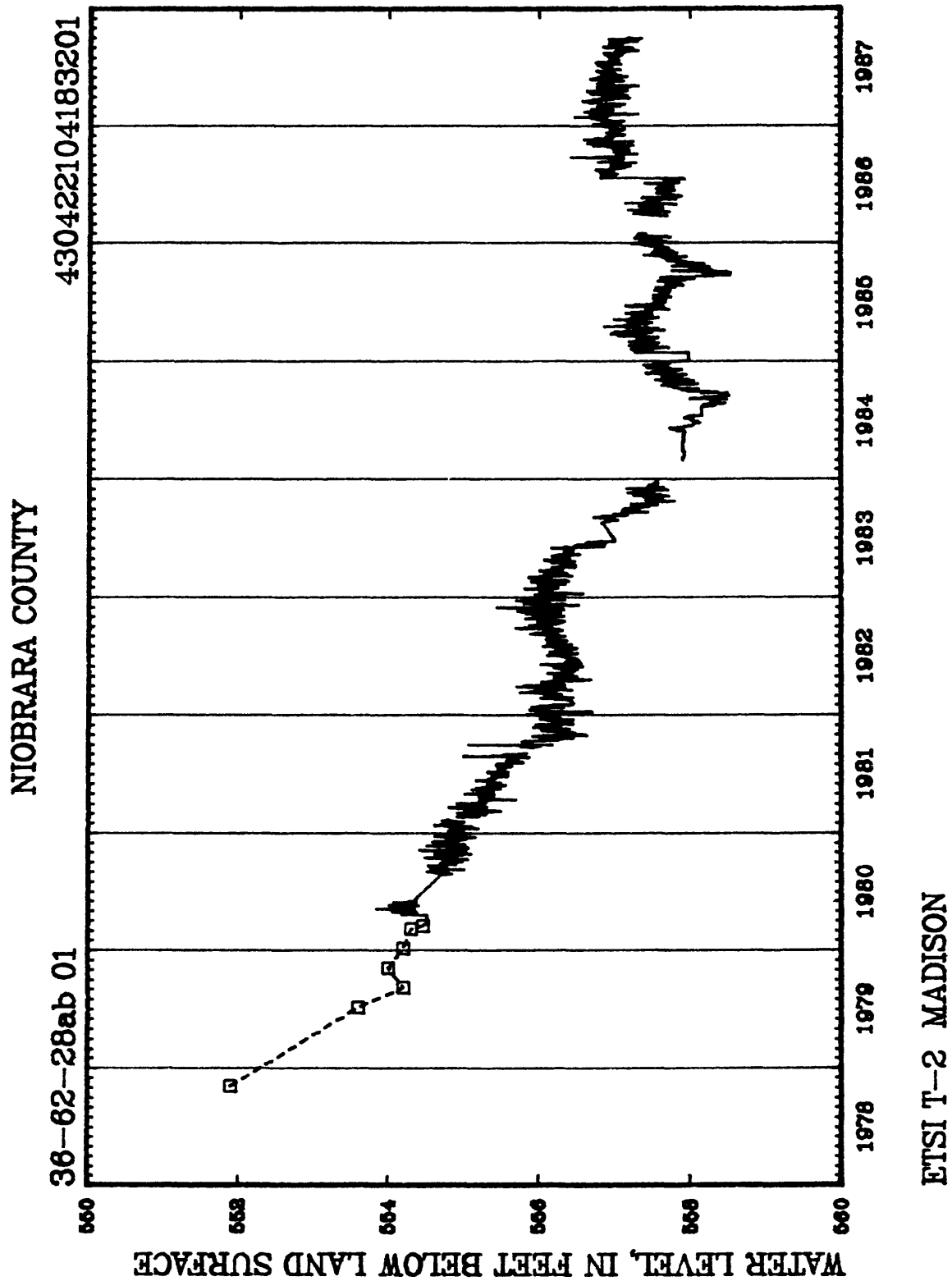
Well number	Well depth (ft)	Use of water	Geologic source	Record available (yr)	Water levels			
					Highest		Lowest	
					Level (ft)	Month-year	Level (ft)	Month-year
32-62-05baa01	177	U	122ARKR	1979-87	92.26	06-80	98.78	09-85
32-62-32bbb01	485	U	122ARKR	1970-87	20.93	06-70	37.56	08-85
32-63-08daa01	178	U	122ARKR	1979-87	10.68	06-87	48.96	09-82
36-62-28ab 01	3,269	U	331MDSN	1974-87	¹ 549.00	05-74	558.54	09-85
36-62-28ab 02	505	U	217LKOT	1974-87	¹ 233.87	08-74	252.35	08-87
36-62-28bbd01	1,513	U	317MNLS	1983-87	552.10	04-86	554.21	06-84
38-61-35dca01	5,155	U	317MNLS	1983-87	707.00	09-87	720.20	10-83

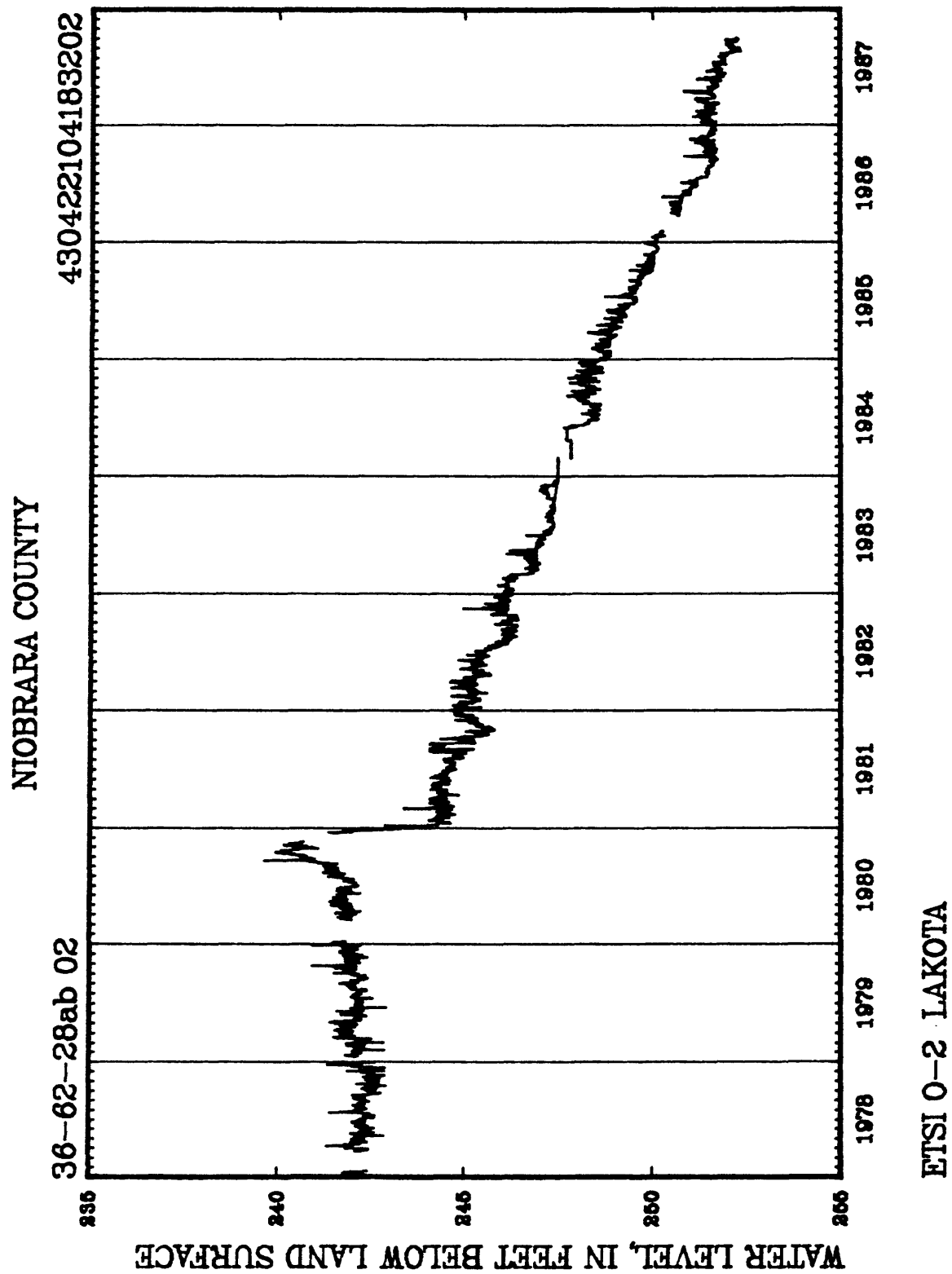
¹ From hand-measured data

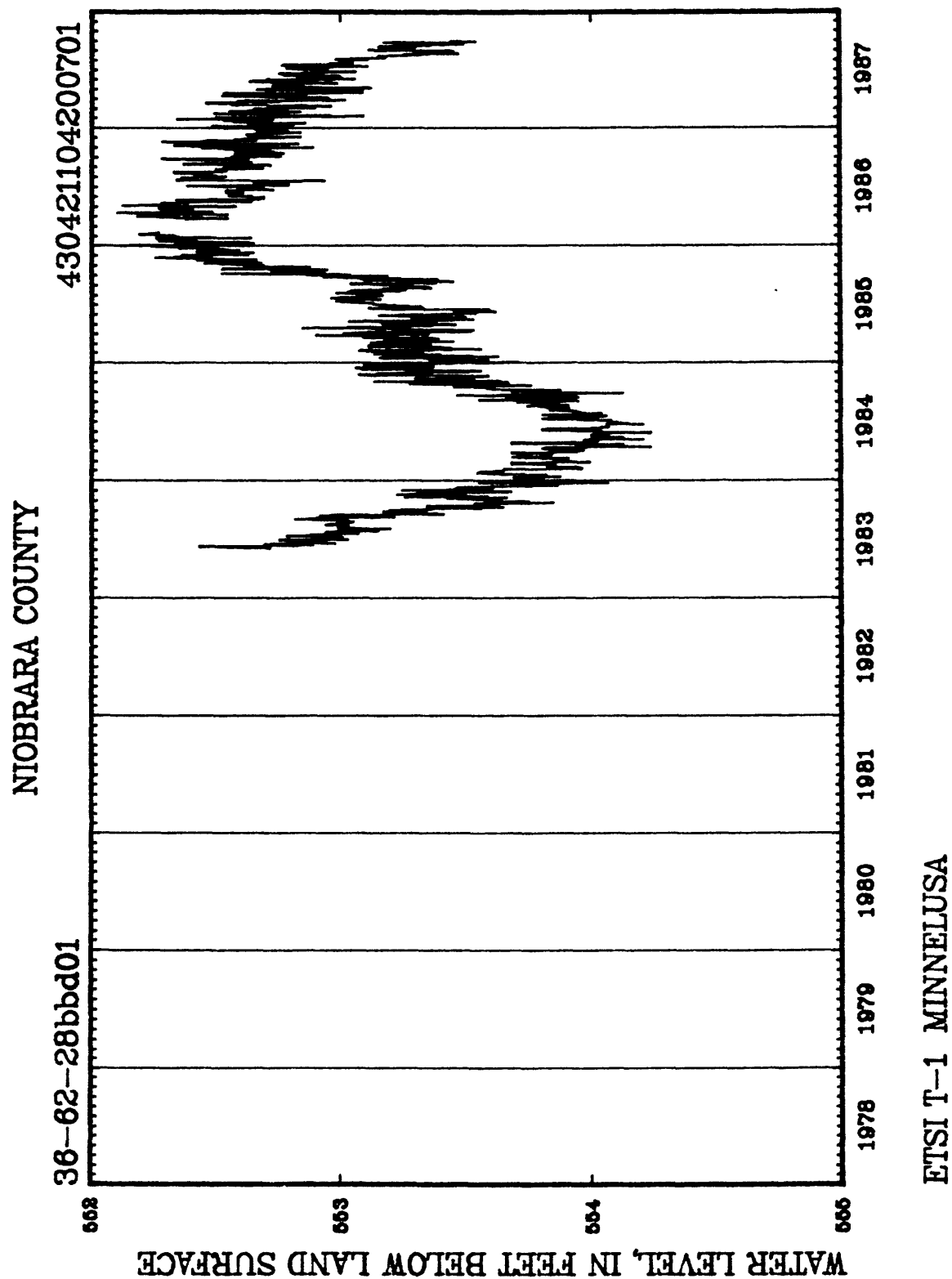


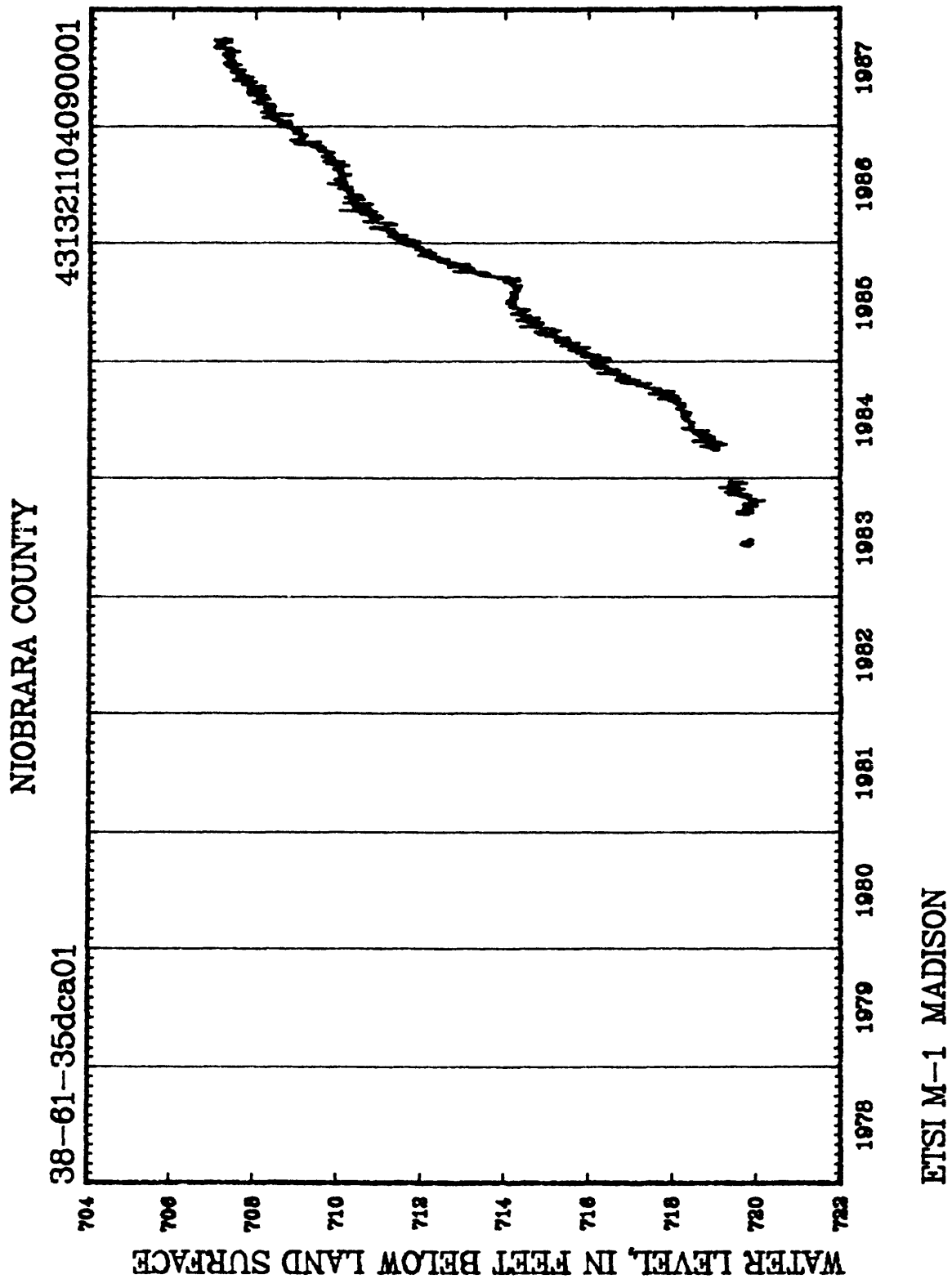












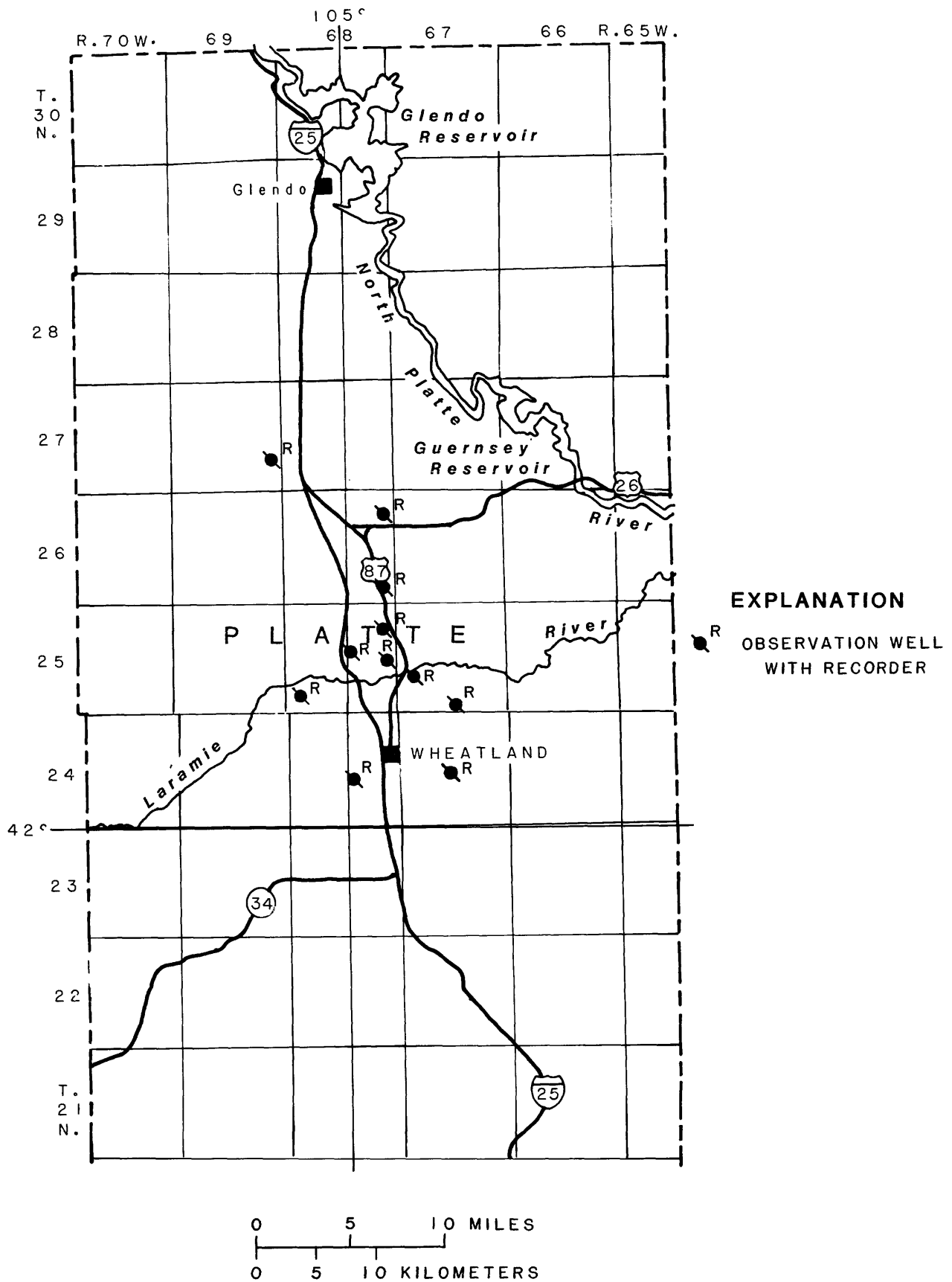
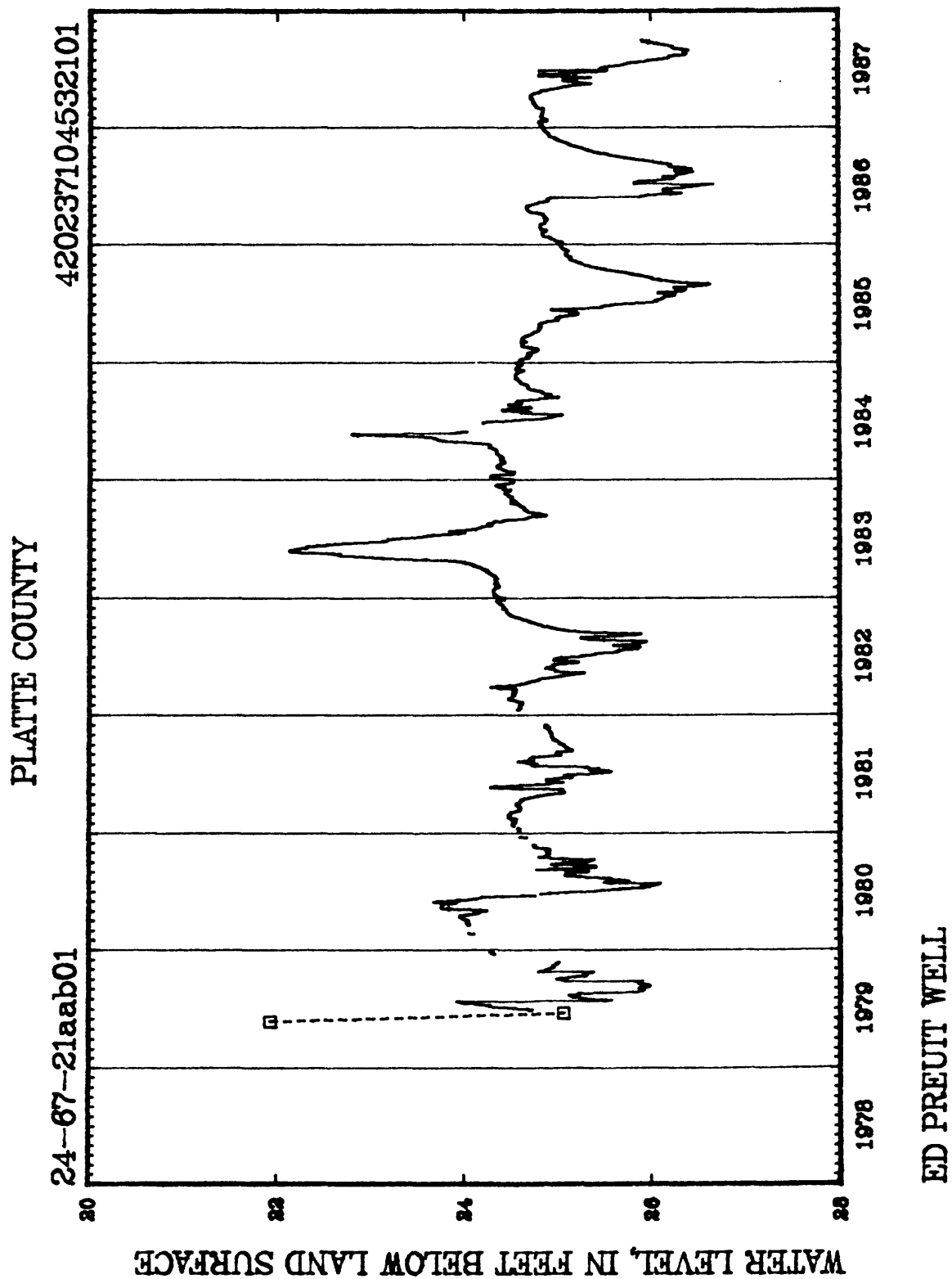


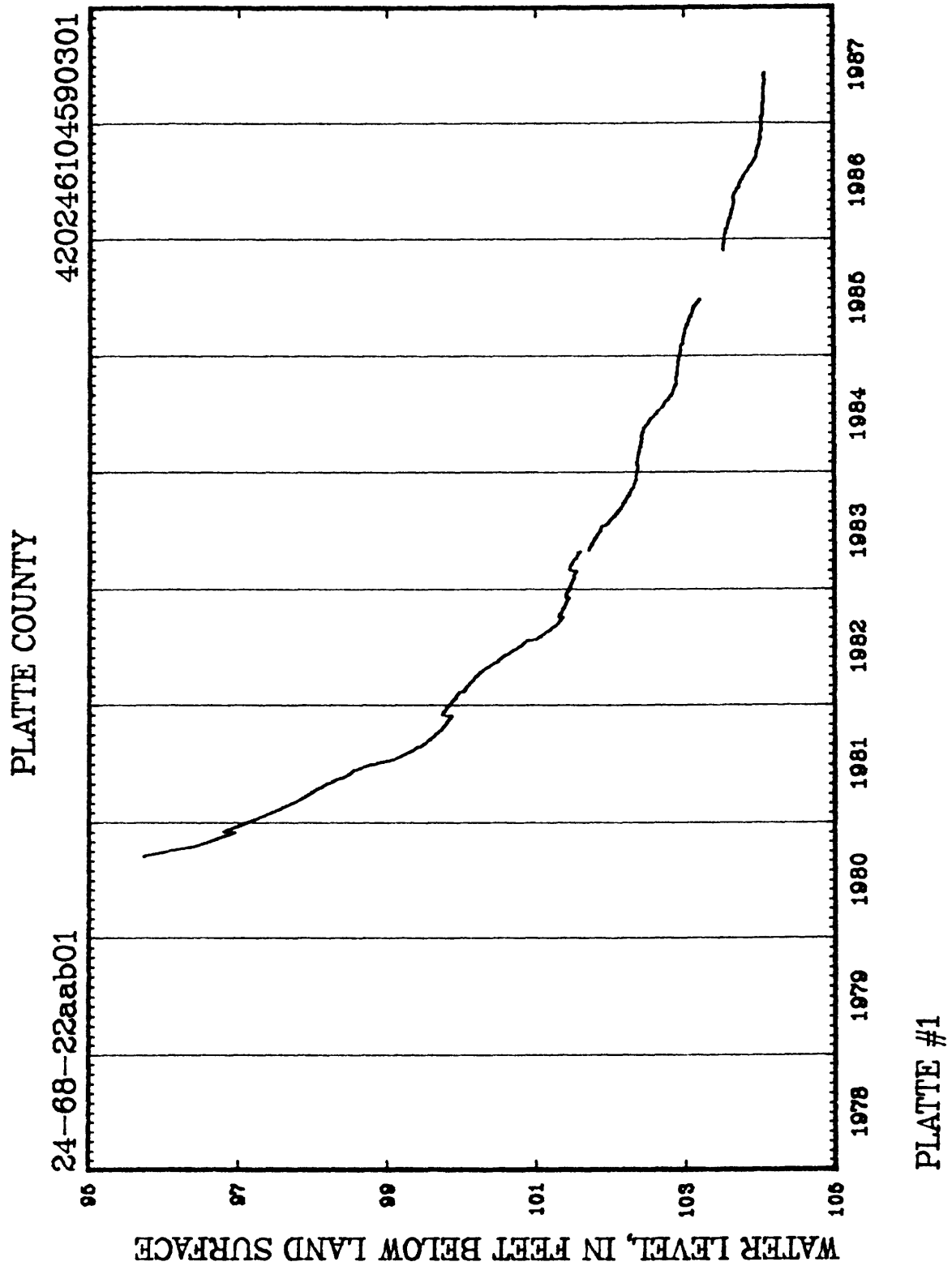
Figure 13.--Location of observation wells in Platte County, Wyoming.

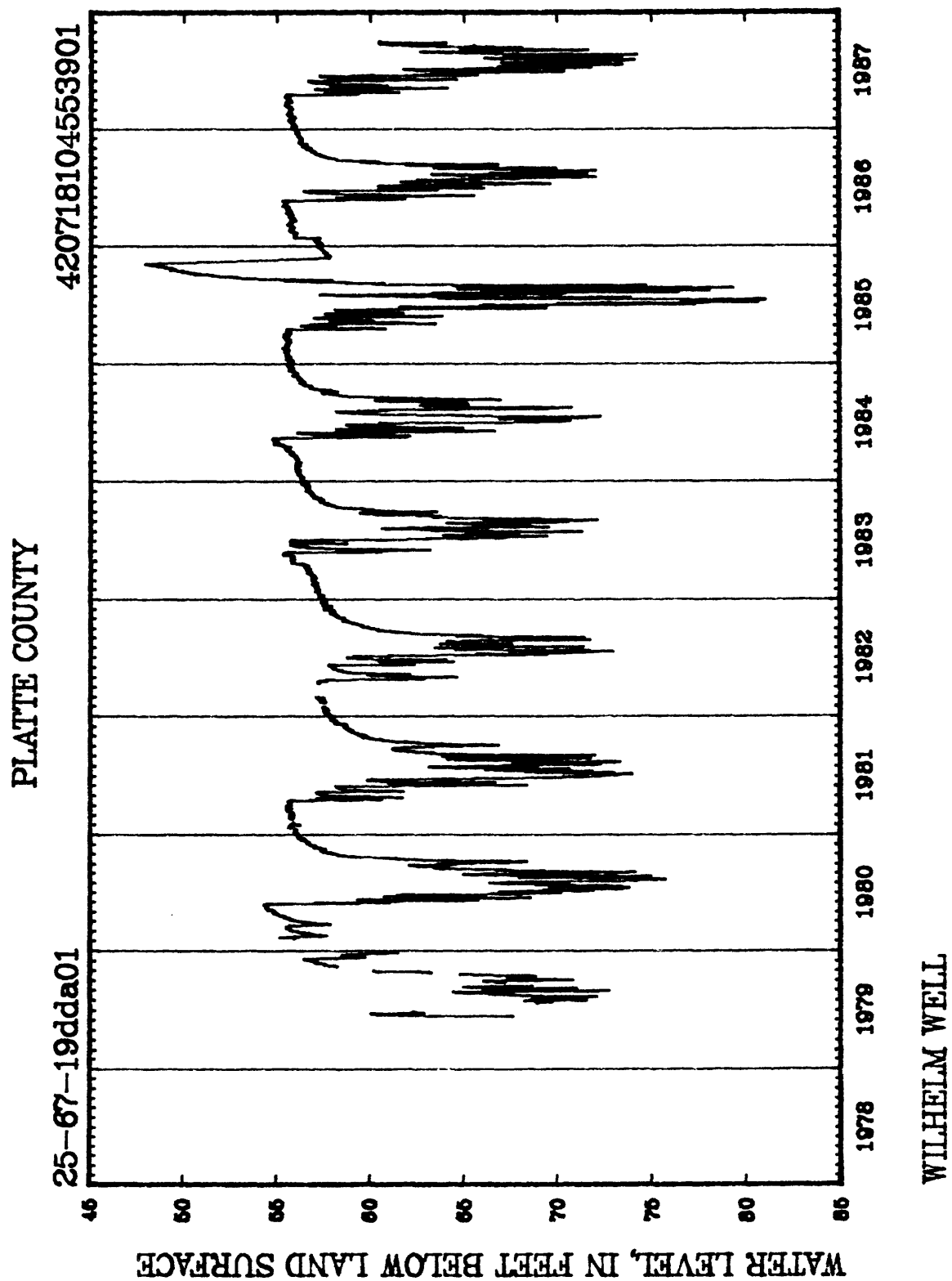
Records of observation wells in Platte County, Wyoming, and highest and lowest recorded water levels, in feet below land surface.

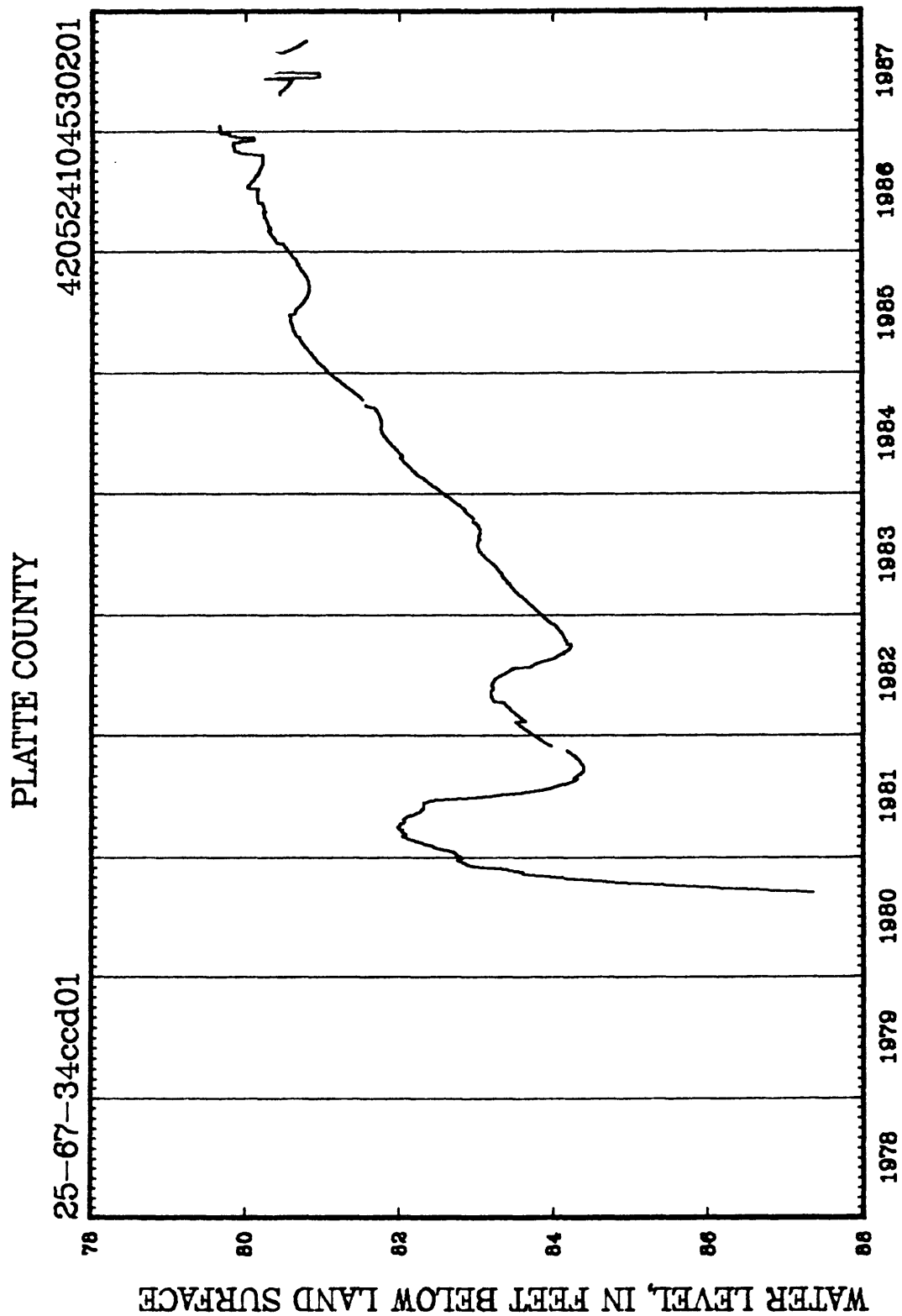
Well number	Well depth (ft)	Use of water	Geologic source	Record available (yr)	Water levels			
					Highest Level (ft)	Highest Month-year	Lowest Level (ft)	Lowest Month-year
24-67-21aab01	41	U	111ALVM	1979-87	1 21.93	05-79	26.67	07-86
24-68-22aab01	380	U	122ARKR	1980-87	95.74	09-80	104.08	05-87, 06-87
25-67-19dda01	760	U	122ARKR	1979-87	47.88	11-85	81.04	07-85
25-67-34ccd01	380	U	122ARKR	1980-87	79.66	01-87	87.35	09-80
25-68-12dda01	100	M	122ARKR	1980-87	13.30	06-84	20.55	10-81
25-68-15bbd01	220	U	122ARKR	1980-87	42.50	02-81	63.32	06-85
25-68-24aad01	240	U	122ARKR	1980-87	69.71	06-87	72.11	04-81
25-68-31aaa01	400	U	122ARKR	1979-87	20.13	11-86	28.93	08-82
26-68-12cbd01	320	U	122ARKR	1980-87	135.65	09-87	153.20	10-80
26-68-36bbb01	200	U	122ARKR	1981-87	145.78	06-87	153.41	08-82
27-69-25abc01	200	U	123WRVR	1981-87	3.44	04-86	27.03	05-82

1 From hand-measured data

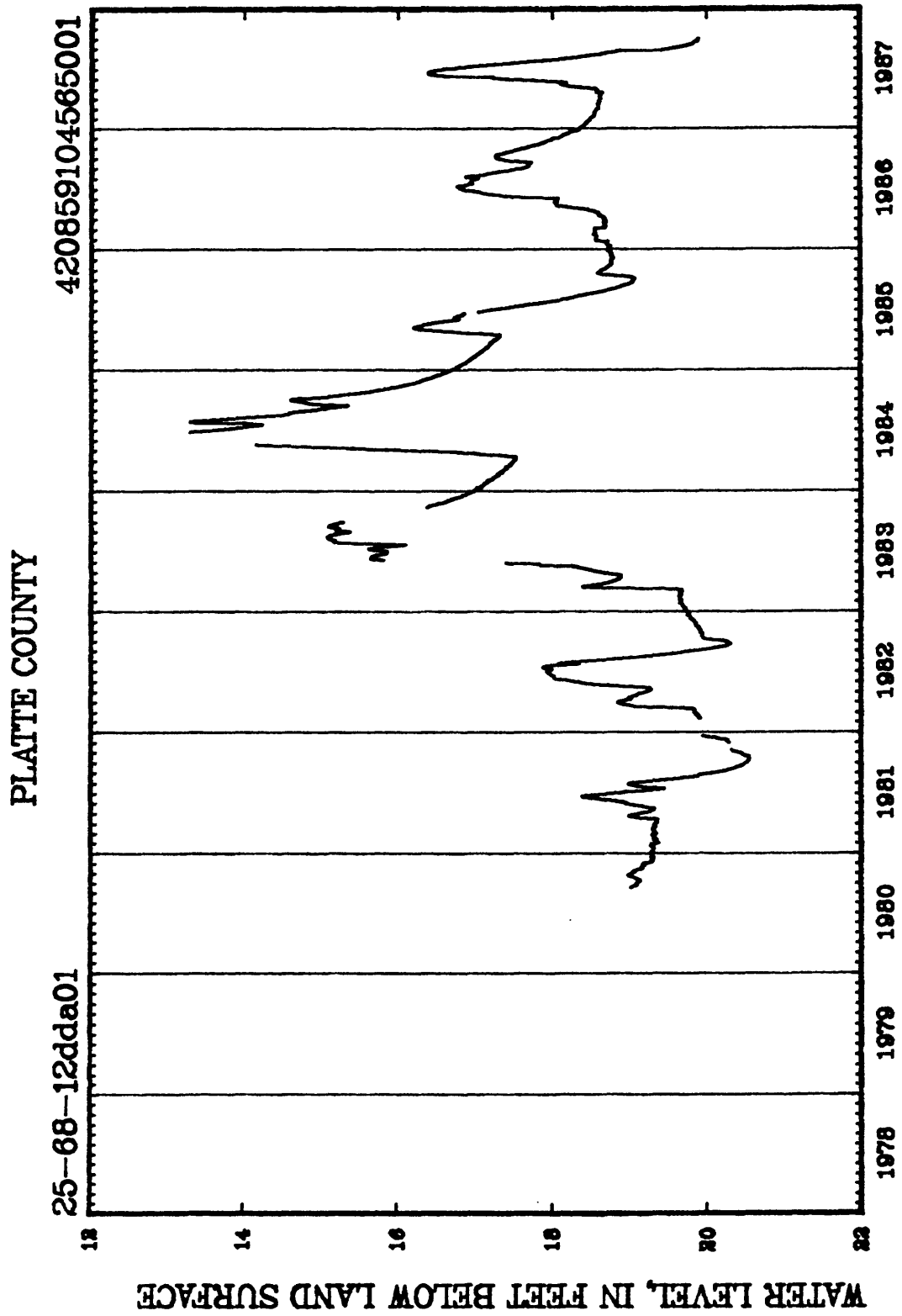




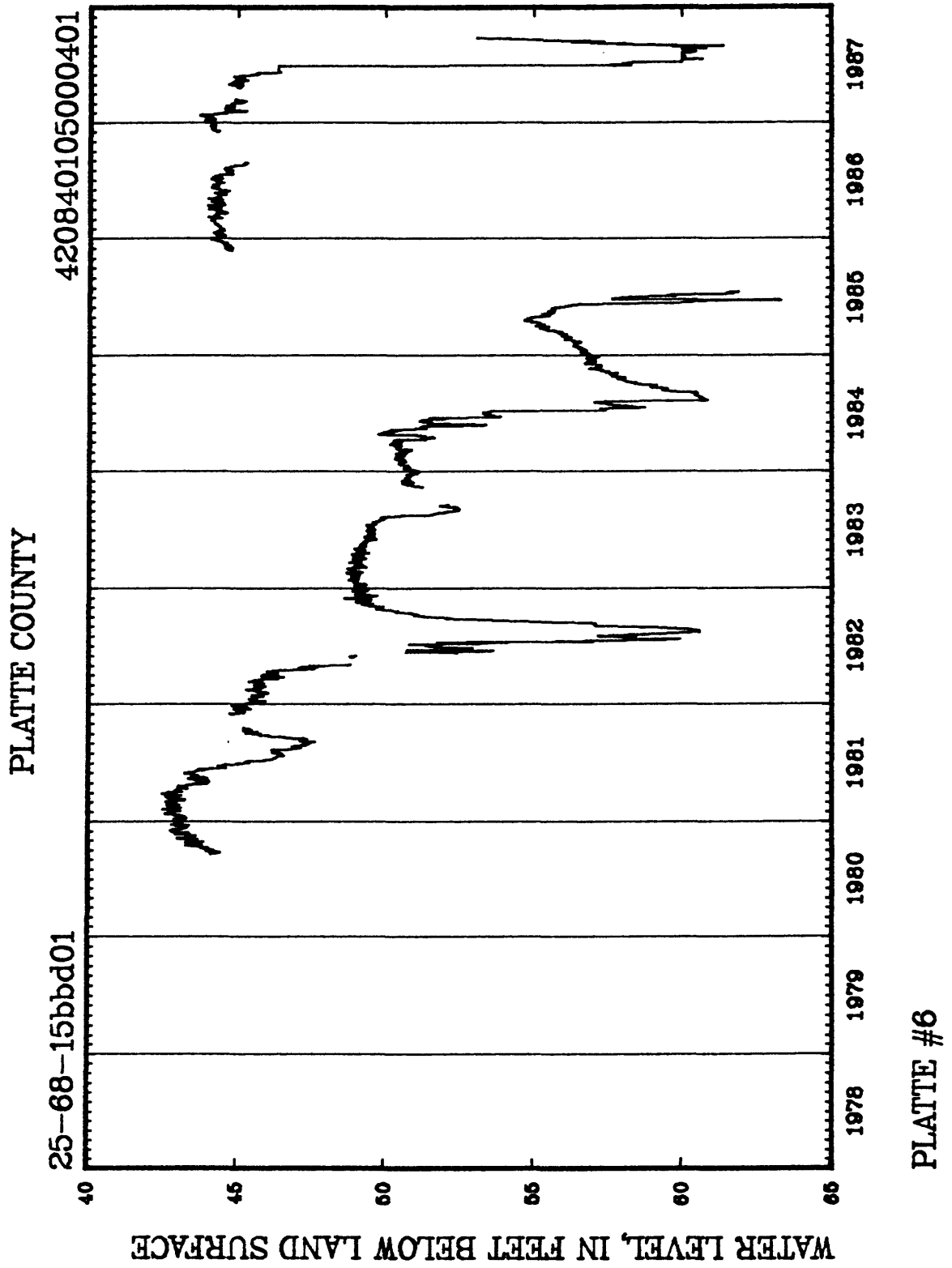


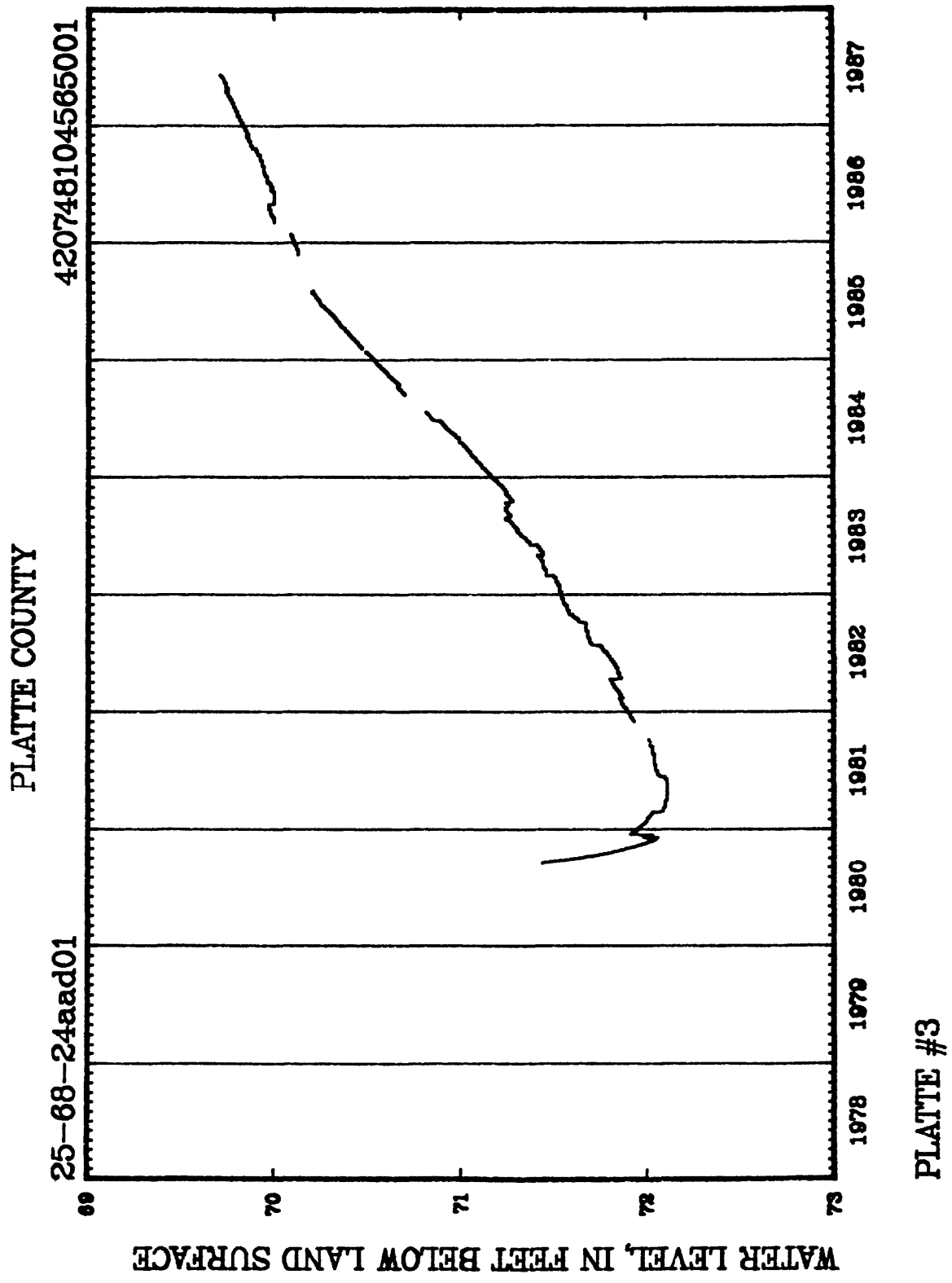


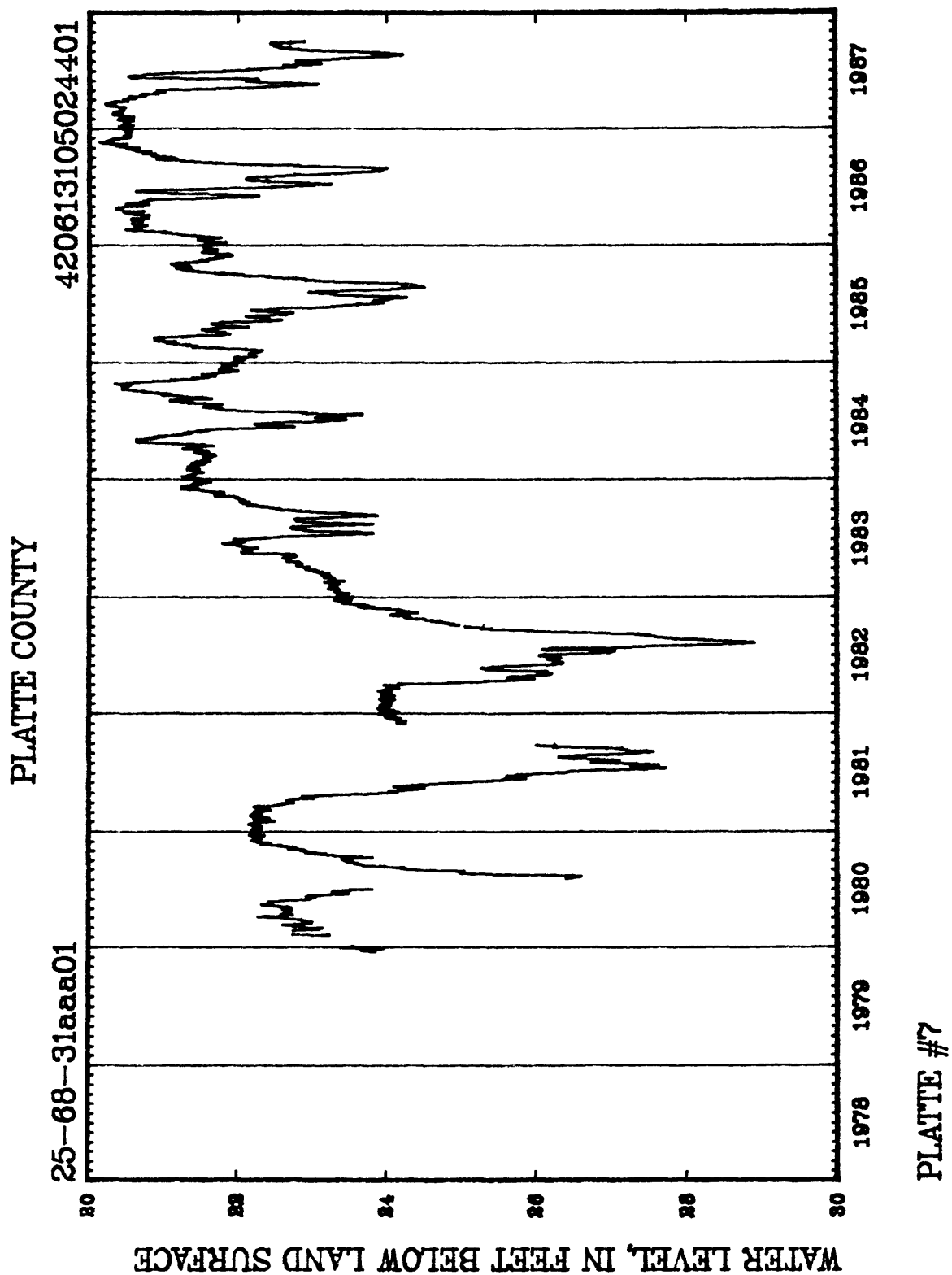
PLATTE #2

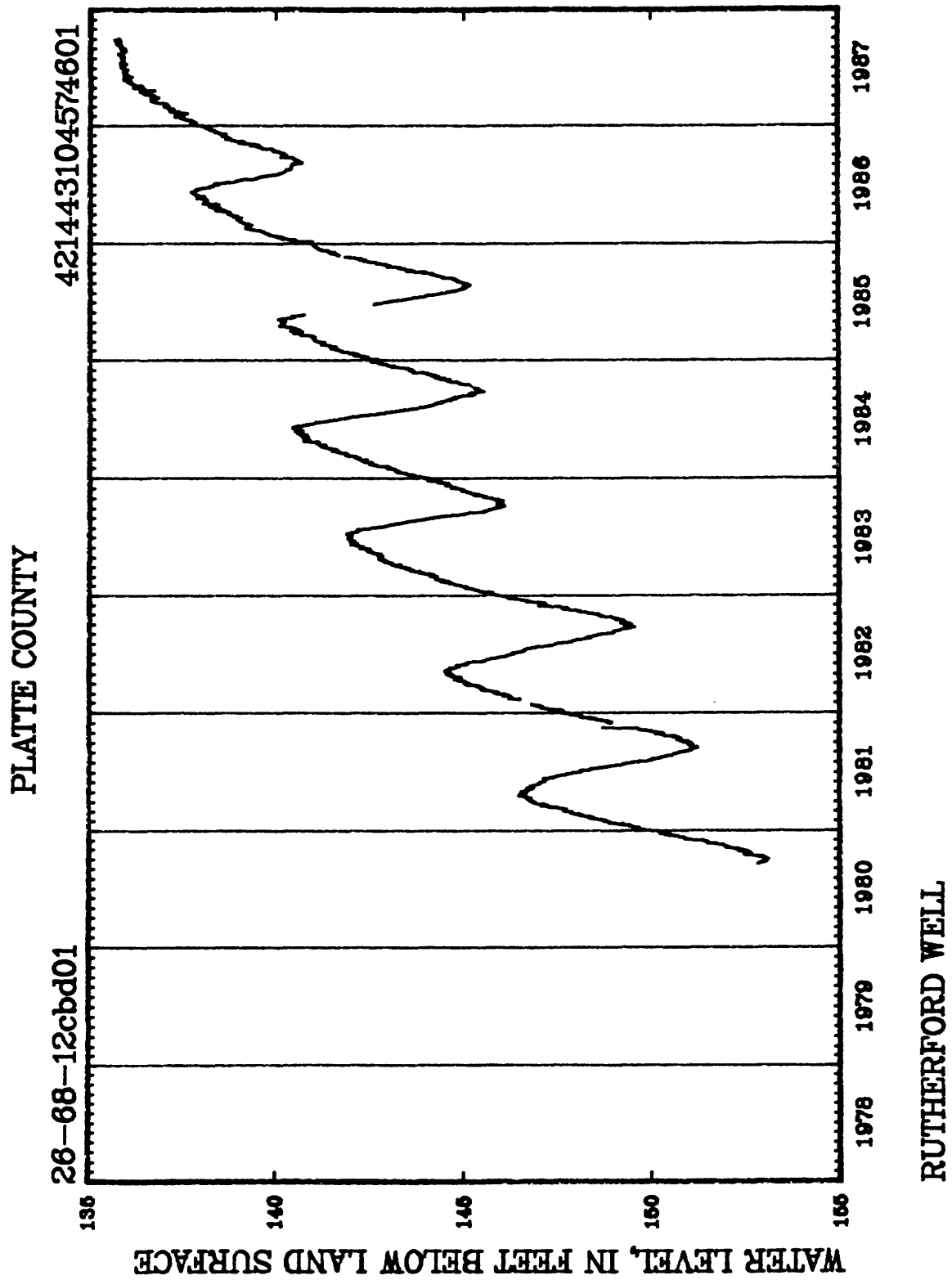


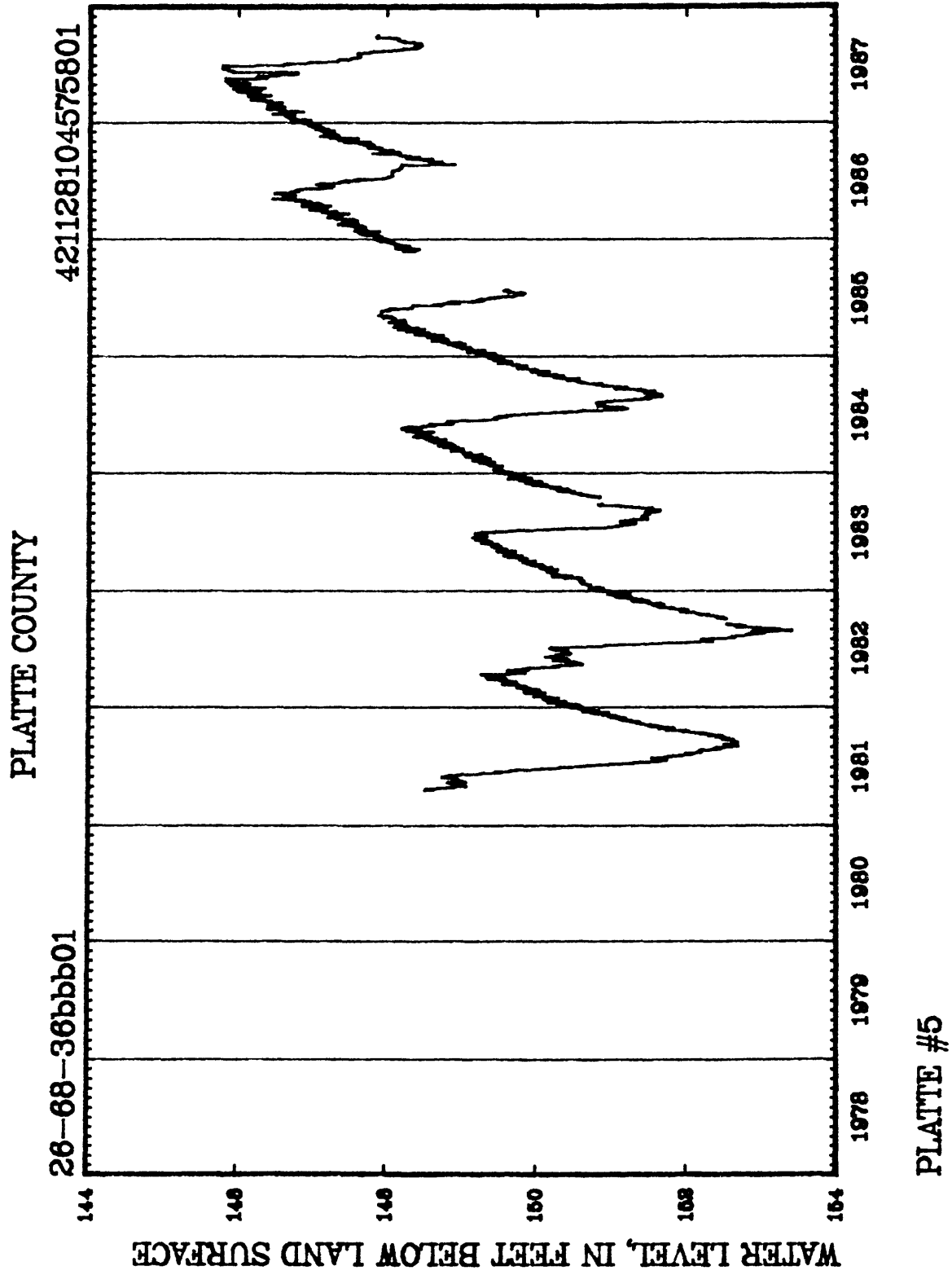
PLATTE #4

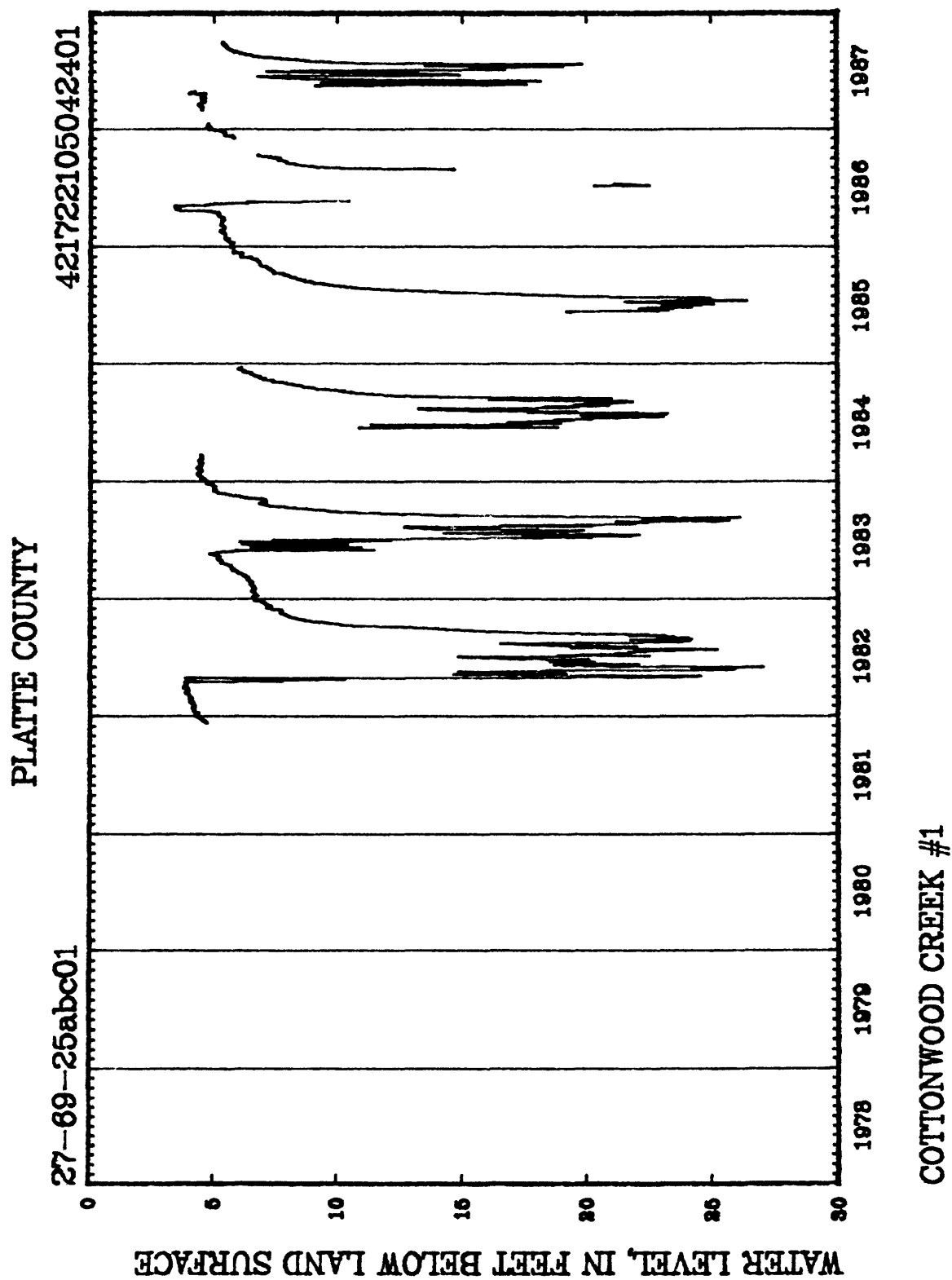












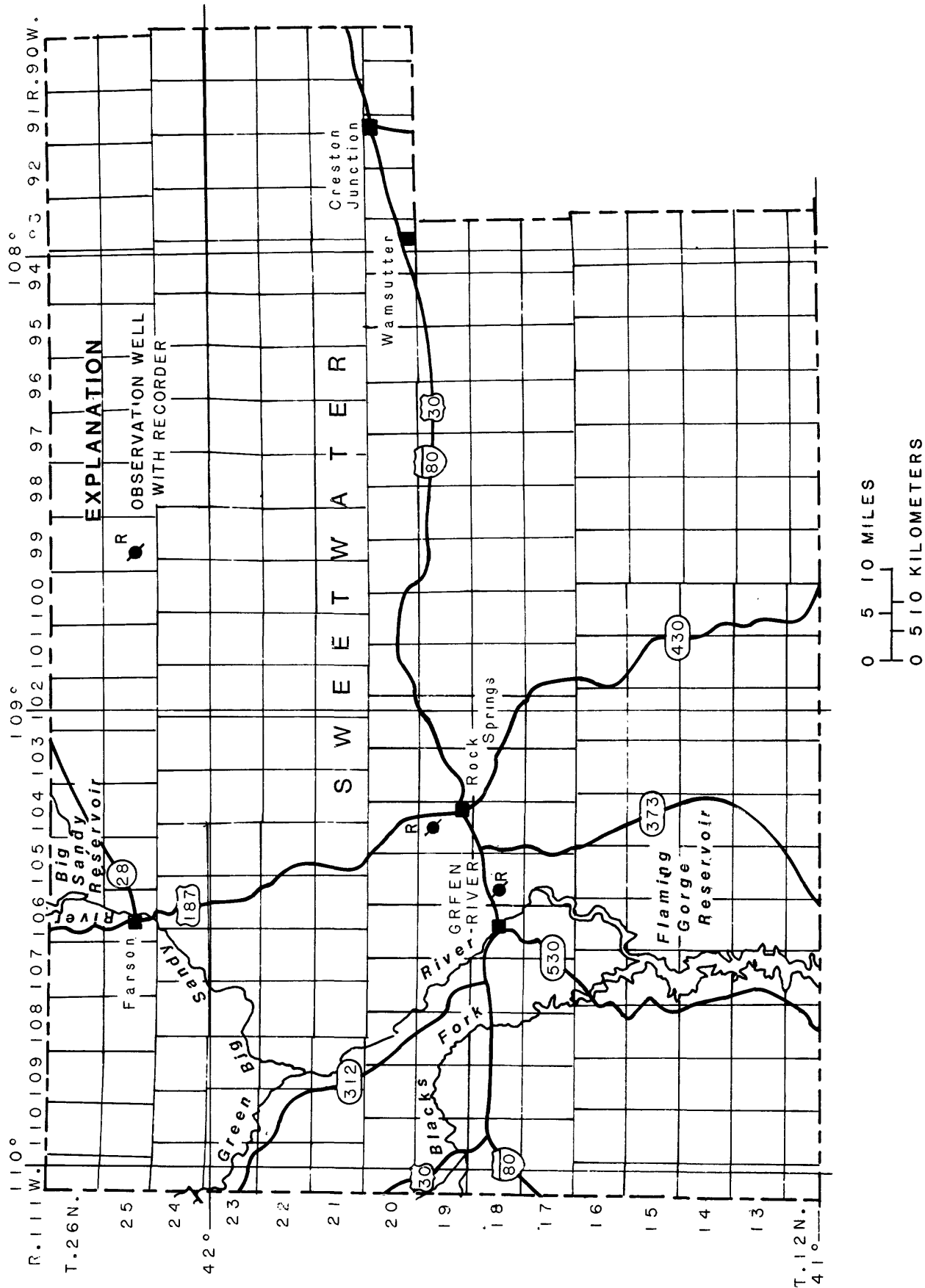
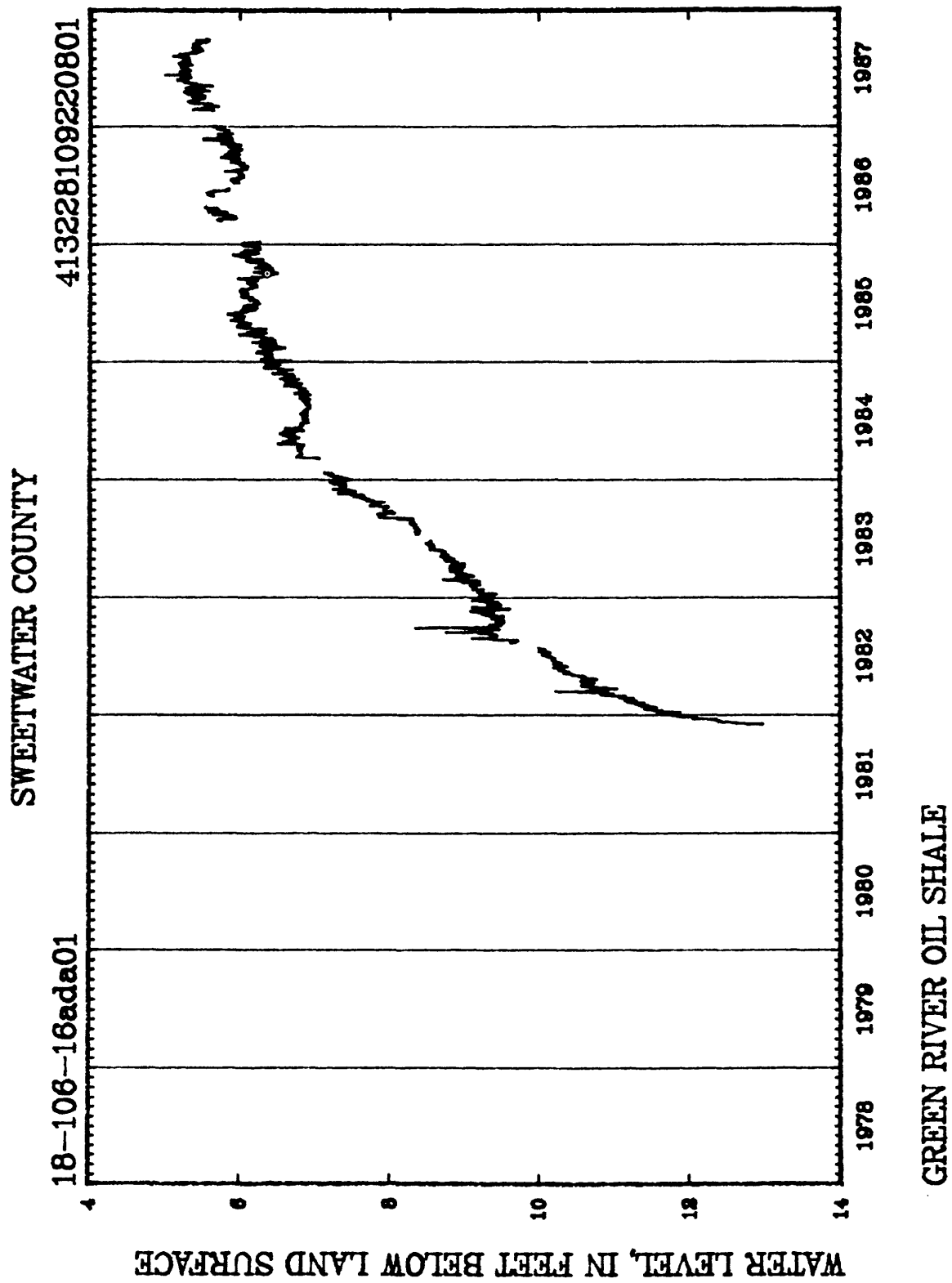
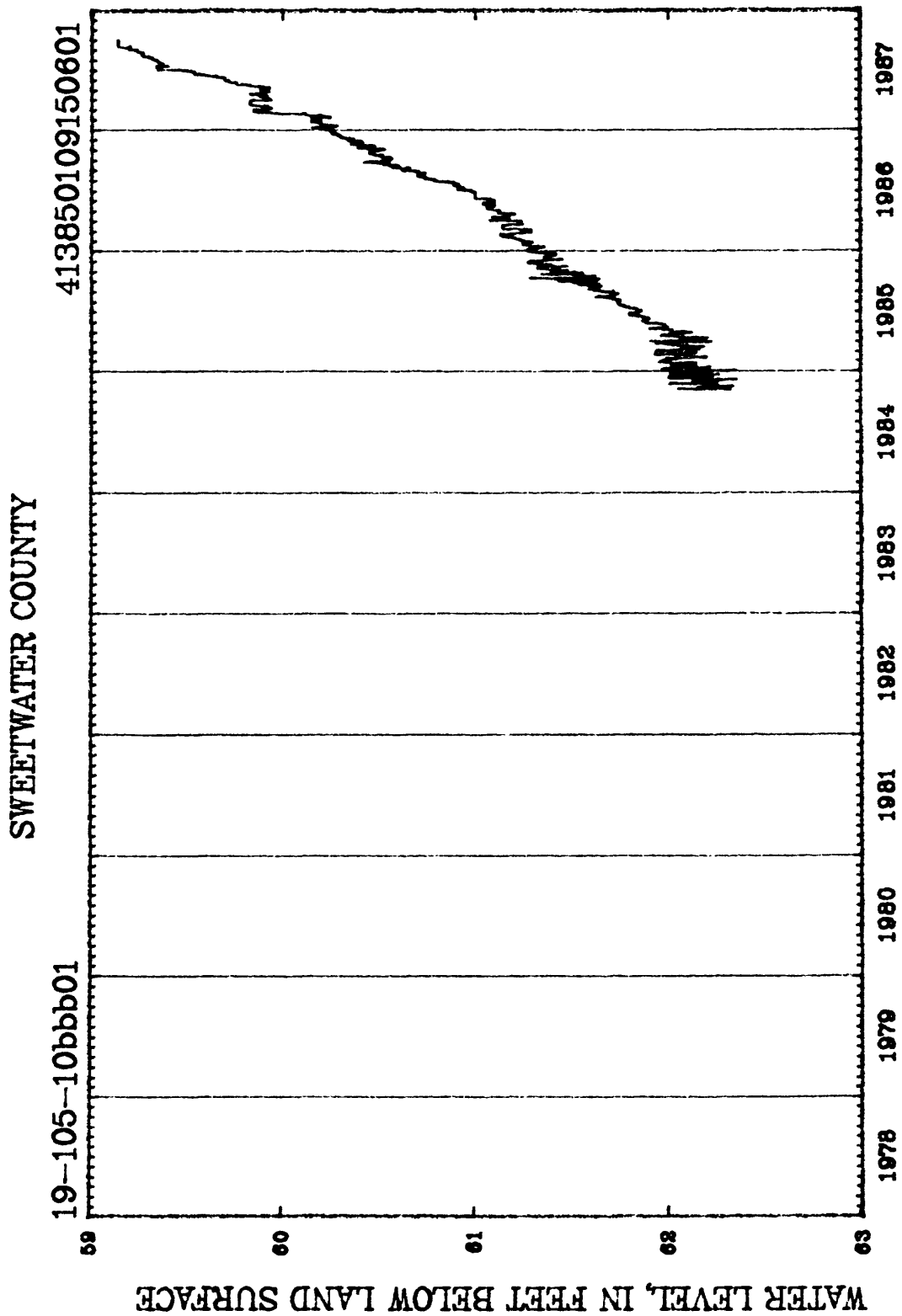


Figure 14.--Location of observation wells in Sweetwater County, Wyoming.

Records of observation wells in Sweetwater County, Wyoming, and highest and lowest recorded water levels, in feet below land surface.

Well number	Well depth (ft)	Use of water	Geologic source	Record available (yr)	Water levels			
					Highest		Lowest	
					Level (ft)	Month-year	Level (ft)	Month-year
18-106-16ada01	1,030	U	124WSTC	1981-87	5.00	06-87	12.97	12-81
19-105-10bbb01	240	U	-----	1984-87	59.14	09-87	62.36	12-84





ROCK SPRINGS GOLF COURSE

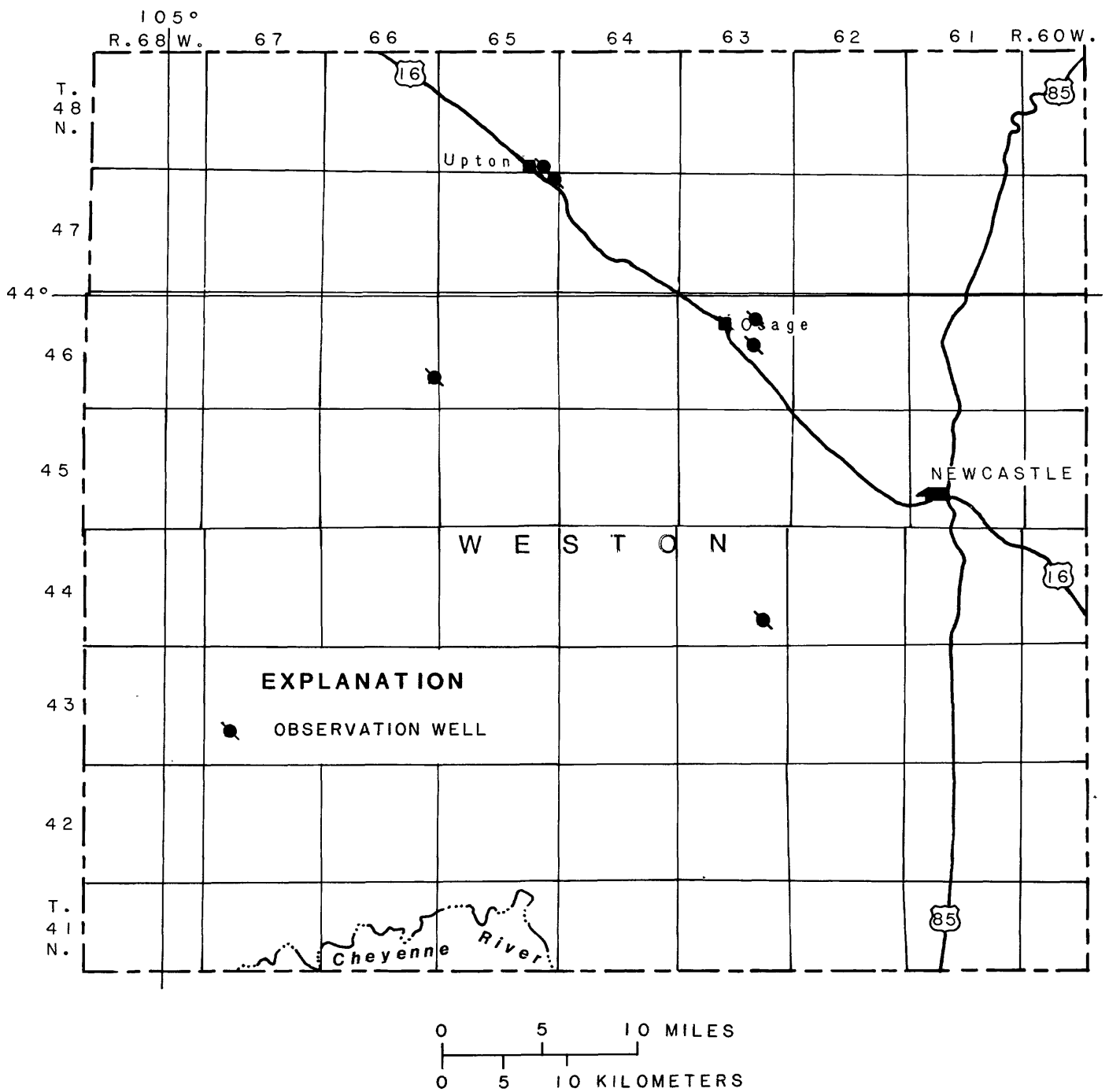


Figure 15.--Location of observation wells in Weston County, Wyoming.

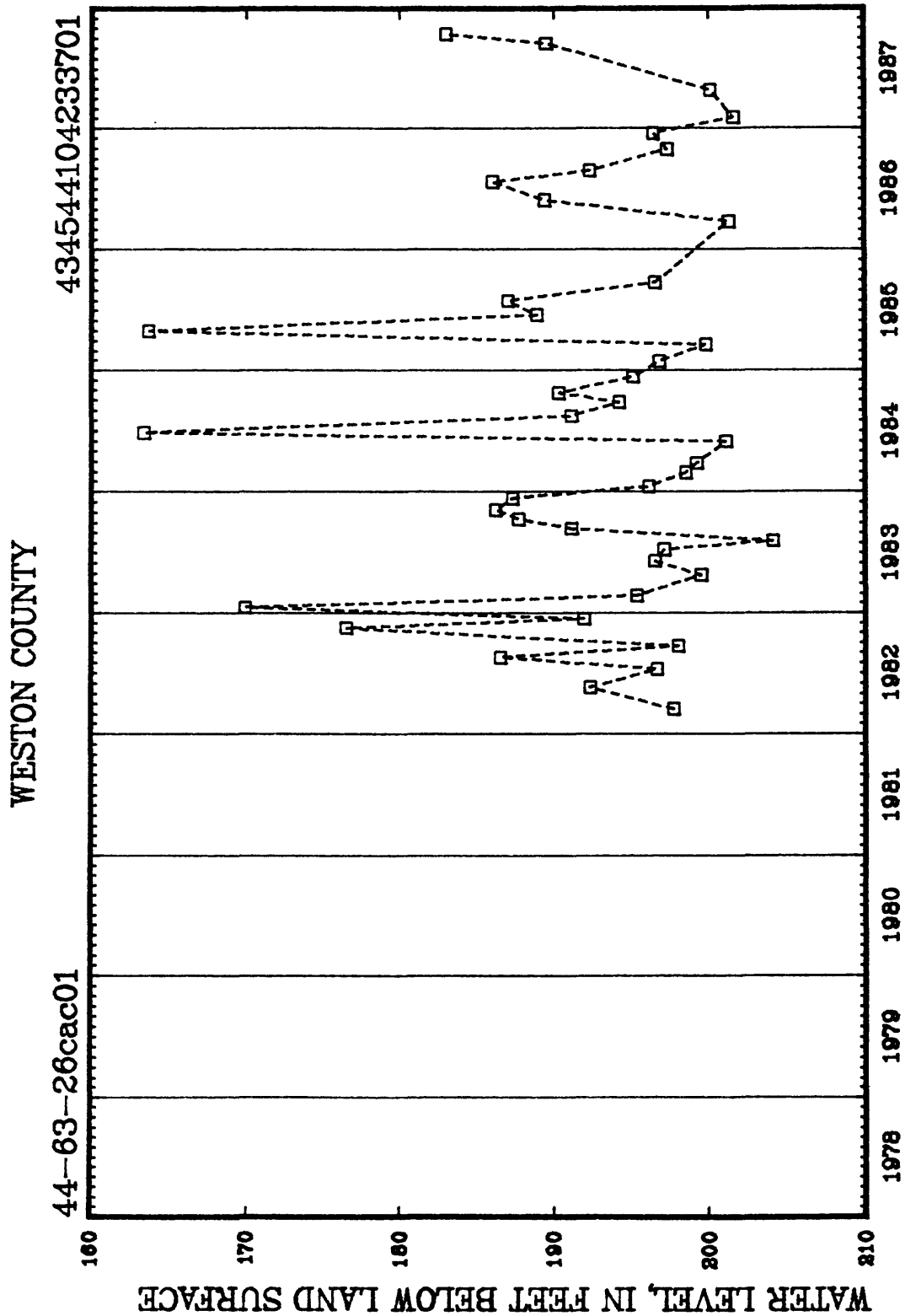
Records of observation wells in Weston County, Wyoming, and highest and lowest recorded water levels, in feet below land surface.

Well number	Well depth (ft)	Use of water	Geologic source	Record available (yr)	Water levels			
					Highest		Lowest	
					Level (ft)	Month-year	Level (ft)	Month-year
44-63-26cac01	6,881	H, S, I	331MDSN	1982-87	1,163.48	06-84	1,4204.10	08-83
46-63-10cda01	3,135	N	331MDSN	1982-85	1,5313.07	03-82	1,4262.25	09-84
46-63-15add01	3,135	N	331MDSN	1982-86	1,5354.25	03-82	1,4323.06	05-86
46-66-25dbb01	8,780	U	331MDSN	1982-87	11,008.76	03-87, 06-87, 09-87	11,081.75	09-85
47-65-01bab01	3,310	P	331MDSN	1983-84	153.54	04-83	1,470.90	08-83
48-65-35ccb01	3,193	P	331MDSN	1982-87	110.20	03-86	1,4218.50	07-83

1 From hand-measured data

4 Well being pumped

5 Artesian well; highest level is shut-in pressure converted to feet above land surface

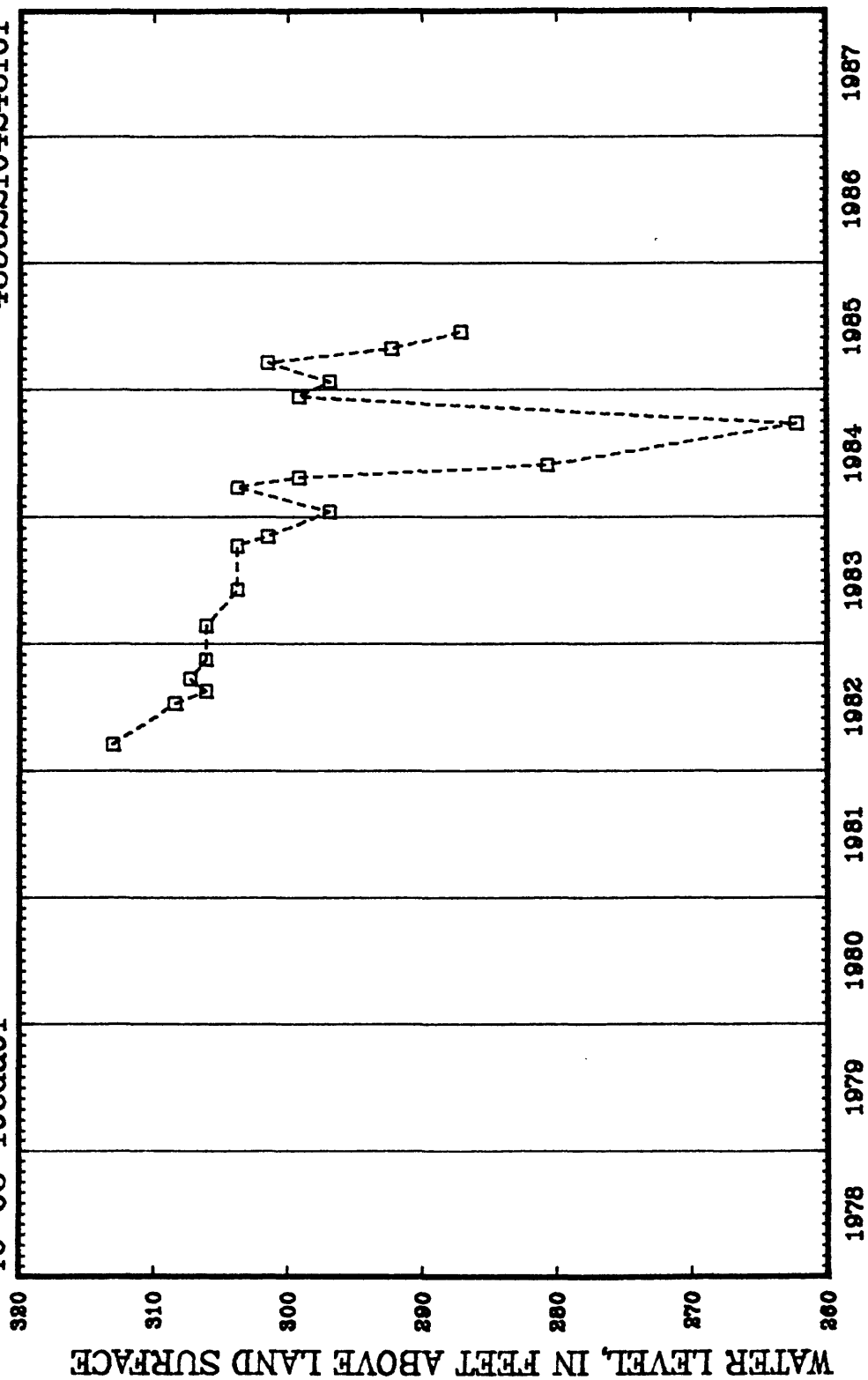


TOWNSEND WELL
DATA REFLECTS STATIC AND PUMPING WATER LEVELS

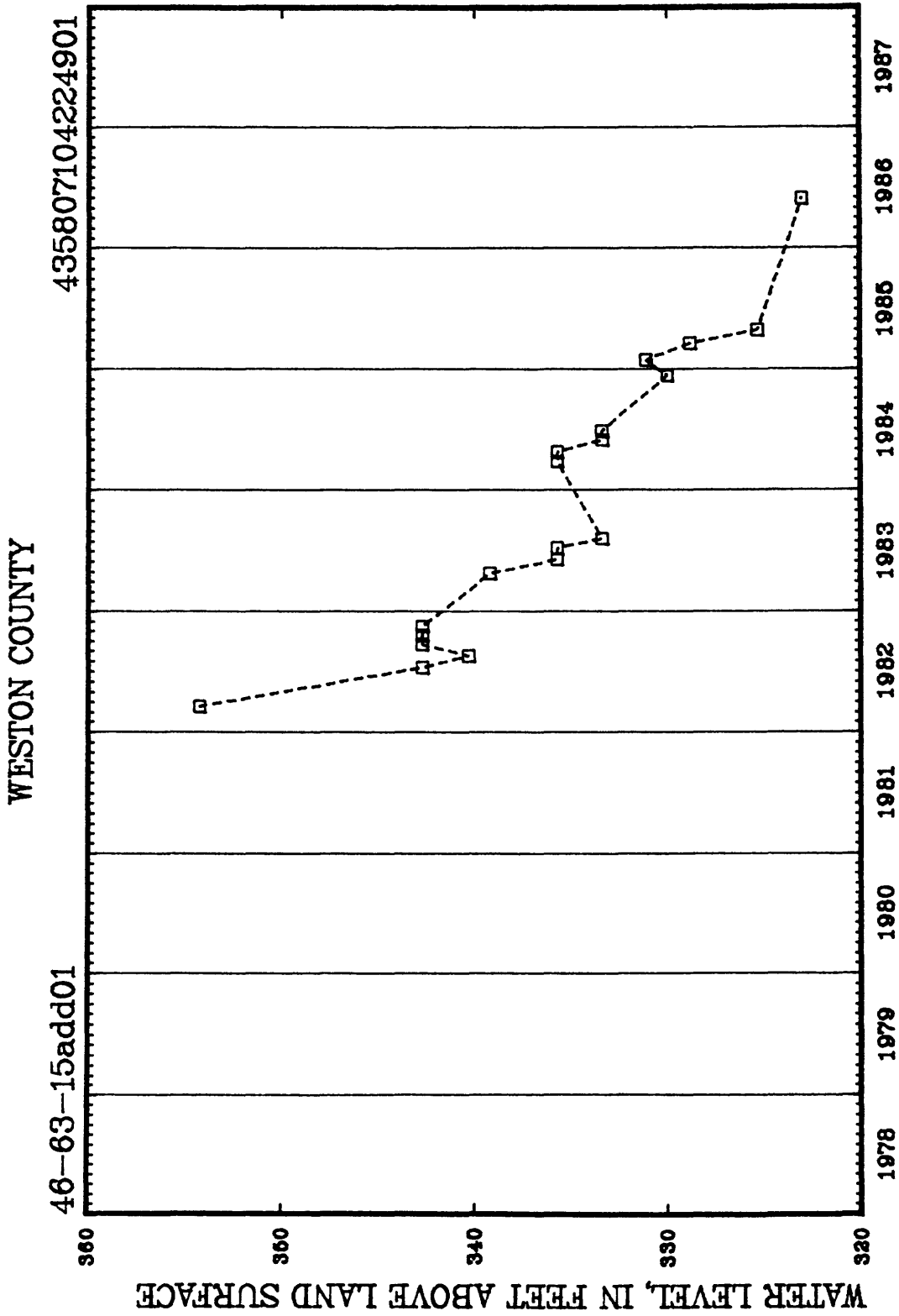
WESTON COUNTY

46-63-10cda01

435822104243101



BLACK HILLS POWER #3
ARTESIAN WELL, VERTICAL AXIS IS FEET ABOVE LAND SURFACE

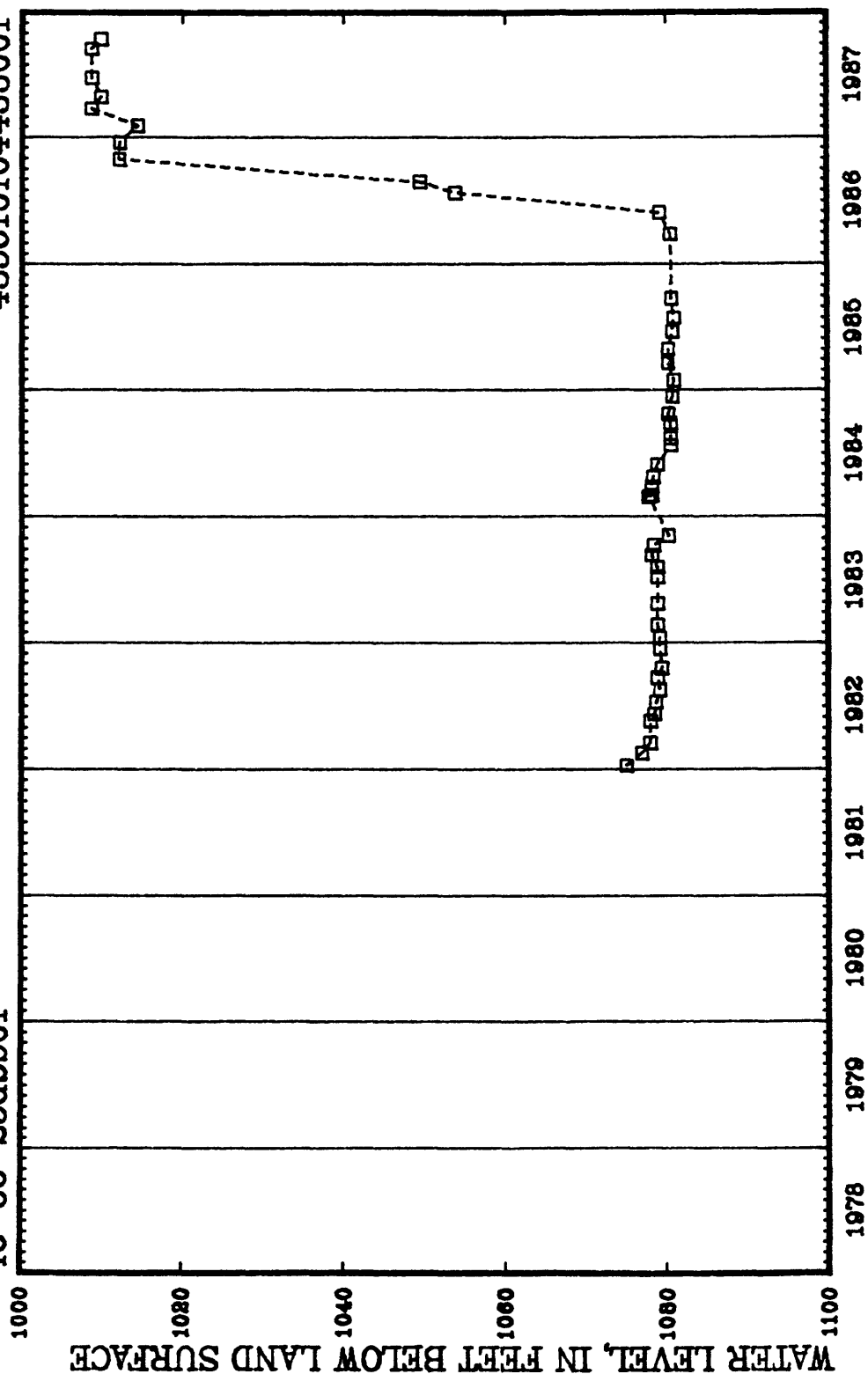


BLACK HILLS POWER #4
ARTESIAN WELL, VERTICAL AXIS IS FEET ABOVE LAND SURFACE

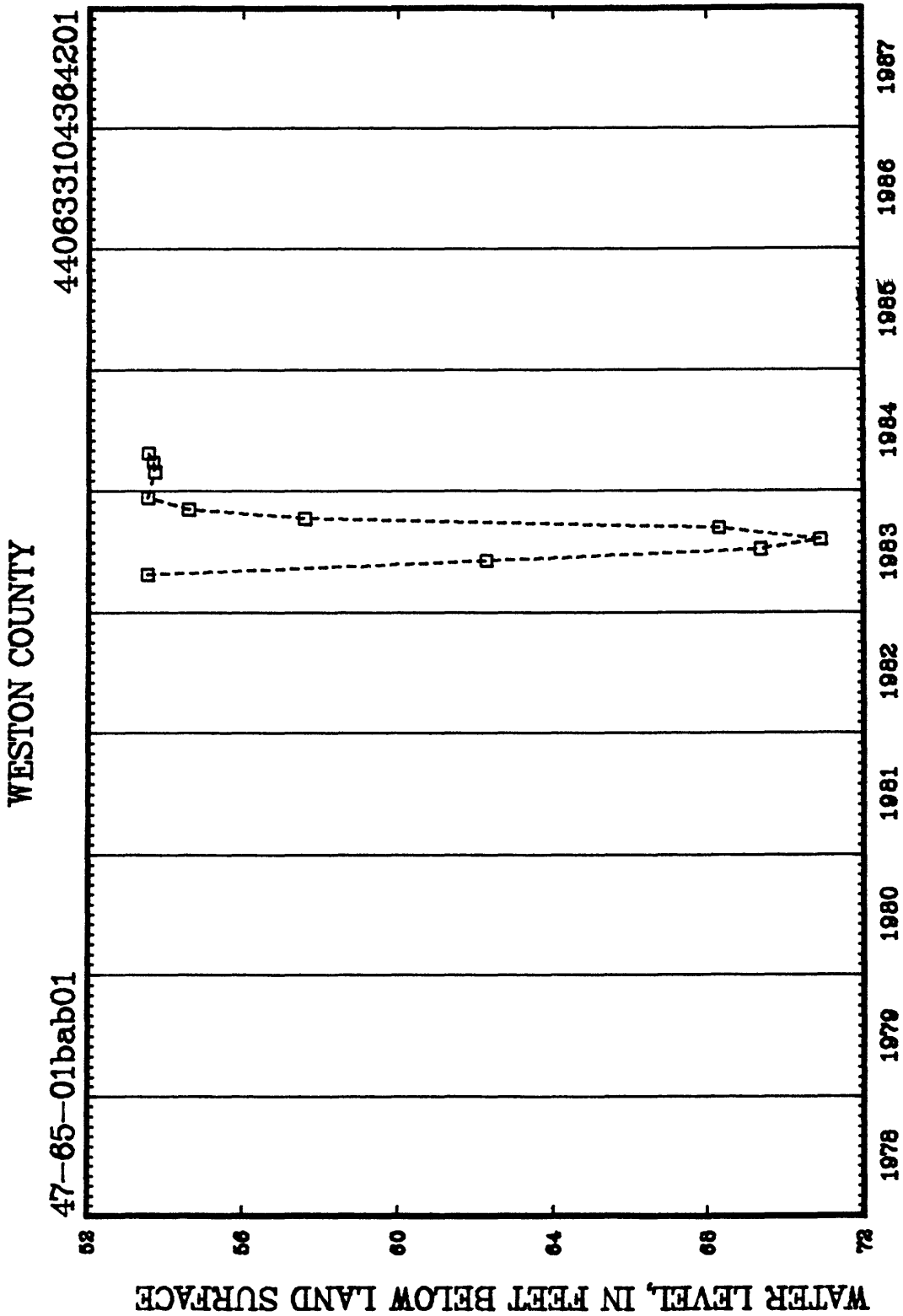
WESTON COUNTY

46-66-25dbb01

435610104433001

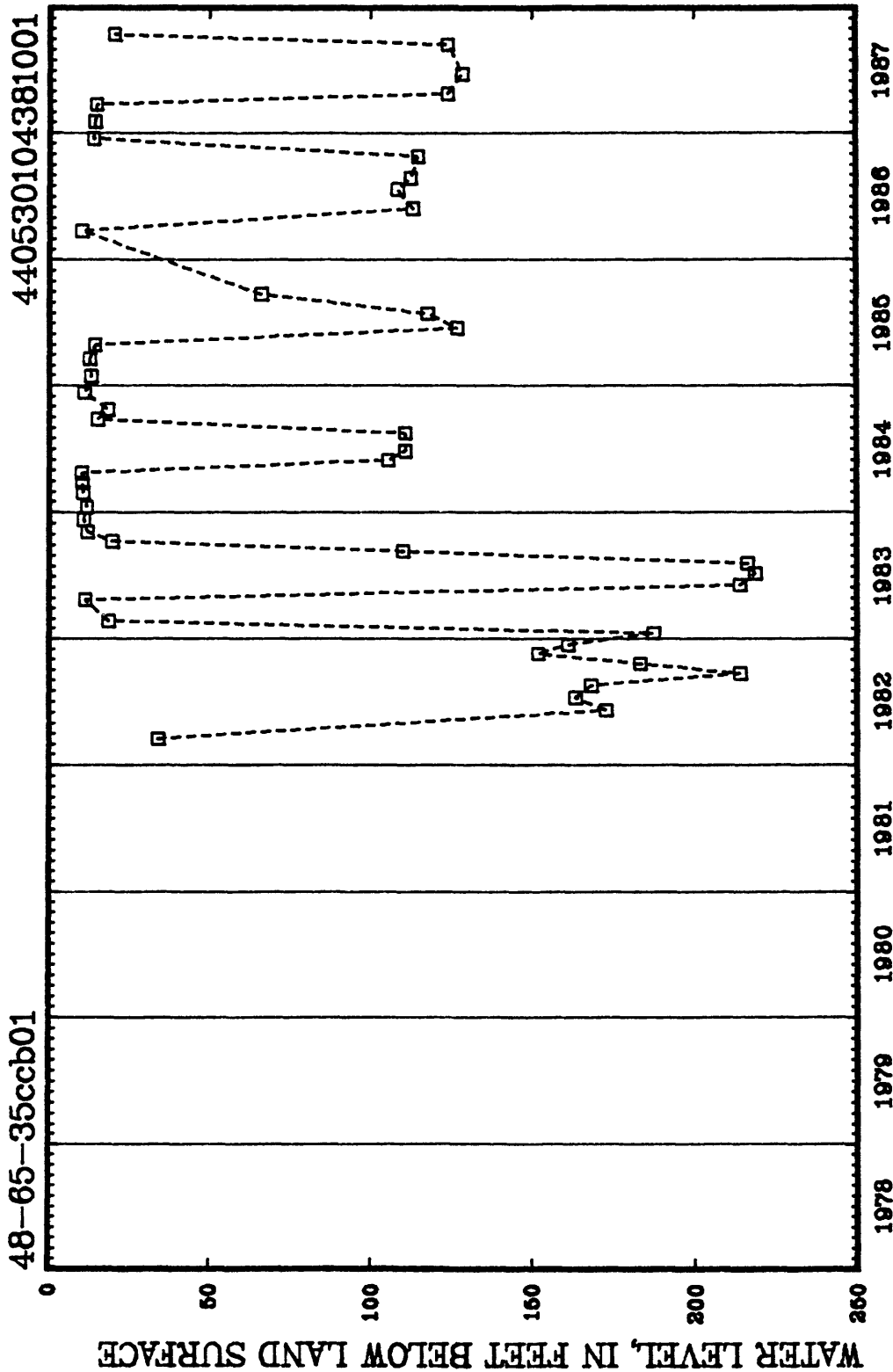


TERRA RESOURCES MADISON
DATA REFLECTS STATIC CONDITION AND PUMPING OF WATER FLOOD SYSTEM NEARBY



TOWN OF UPTON #8
DATA REFLECTS STATIC AND PUMPING WATER LEVELS

WESTON COUNTY



TOWN OF UPTON #4
DATA REFLECTS STATIC AND PUMPING WATER LEVELS