

GROUND-WATER LEVELS IN WYOMING, 1982 THROUGH SEPTEMBER 1991

By Hugh I. Kennedy and Sharon L. Green

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U.S. GEOLOGICAL SURVEY

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Cheyenne, Wyoming

1992

U.S. DEPARTMENT OF THE INTERIOR

MANUEL LUJAN, JR., Secretary

U.S. GEOLOGICAL SURVEY

Dallas L. Peck, Director

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Box 25425, Federal Center  
Denver, Colorado 80225

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# CONVERSION FACTORS

<u>Multiply</u>	<u>By</u>	<u>To obtain</u>
acre	0.4047	hectare
foot (ft)	.3048	meter
mile (mi)	1.609	kilometer
pound per square inch (lb/sq in)	2.31	feet (head) of water

# GROUND-WATER LEVELS IN WYOMING, 1982 THROUGH SEPTEMBER 1991

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## ABSTRACT

Ground-water levels are monitored in a network of 85 observation wells in Wyoming, mostly in areas where ground water is used in large quantities for irrigation or municipal purposes. The ground-water level program is conducted by the U.S. Geological Survey in cooperation with the Wyoming State Engineer. 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 1982 through September 1991.

## INTRODUCTION

Since 1940 the Geological Survey, in cooperation with city, State, and other Federal agencies, periodically has 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.

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 1991 a continuous record of water levels was obtained from 65 wells equipped with float driven digital water-level recorders and 2 artesian wells equipped with pressure-sensing transducers and electronic data recorders. The remaining wells periodically were measured by hand using a steel drop tape.

Hydrographs for the 85 wells in the observation network are included in this report. The hydrographs were plotted using data from either continuous water-level records or periodic water-level measurements. The daily maximum water level was used in plotting hydrographs for those wells equipped with continuous recorders. These hydrographs depict annual water-level fluctuations and water-level trends during 1982-91. 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, 2617 East Lincolnway, Suite B, Cheyenne, Wyoming 82001 (telephone 307/772-2153).

Wyoming water-level data and hydrographs for periods prior to 1990 may be found in 11 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; Kennedy and Green, 1988 and 1990).

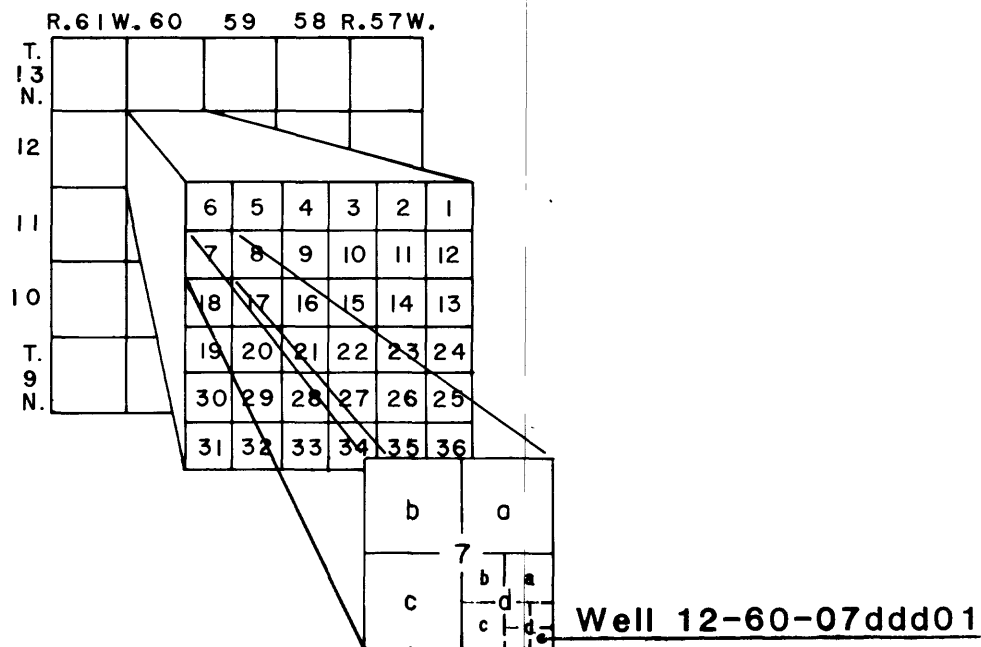
## PRESENTATION OF DATA

The data are presented alphabetically by county. Locations of counties are shown in 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. 2-16). Hydrographs for wells for 1982 through September 1991 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:



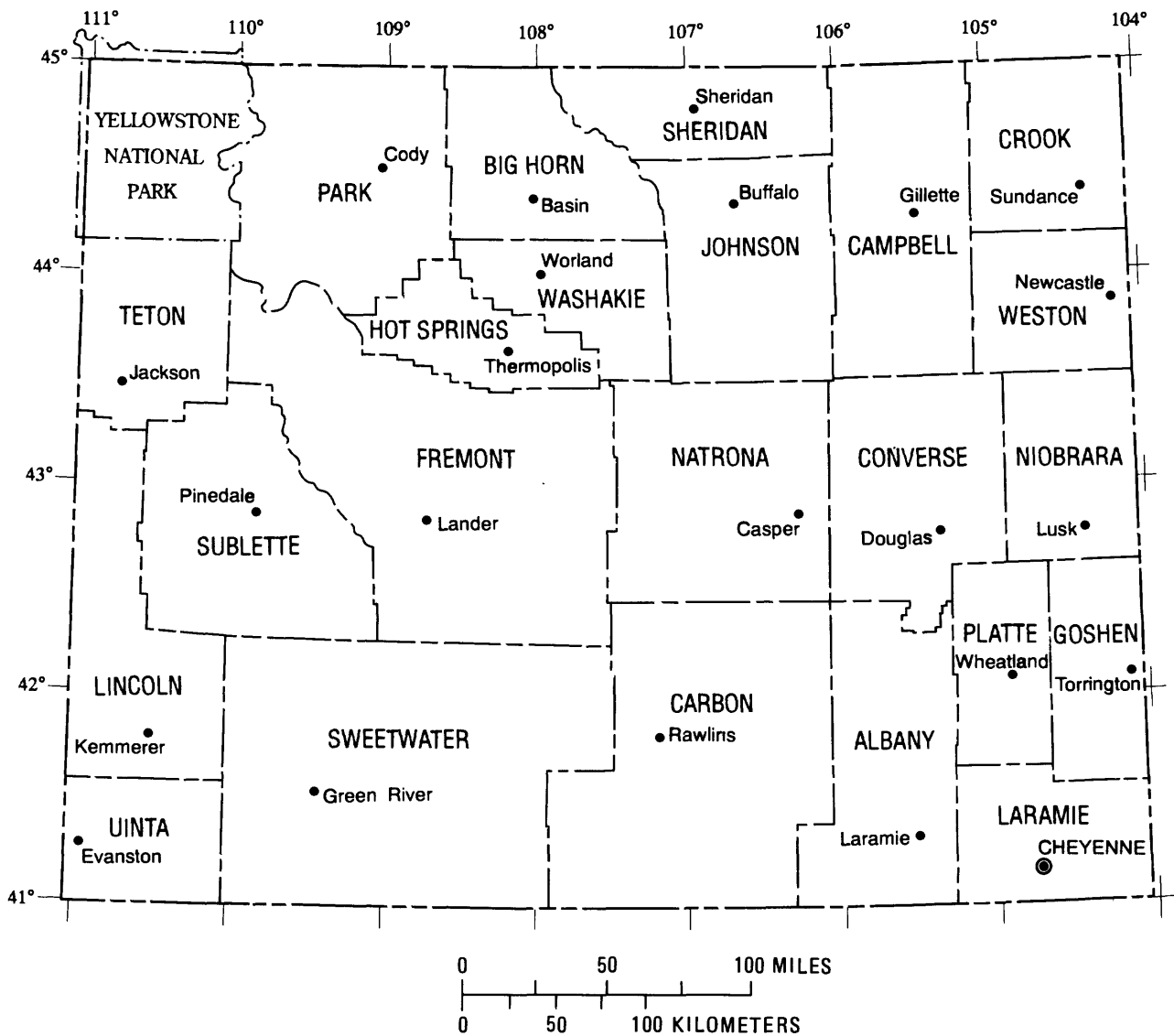
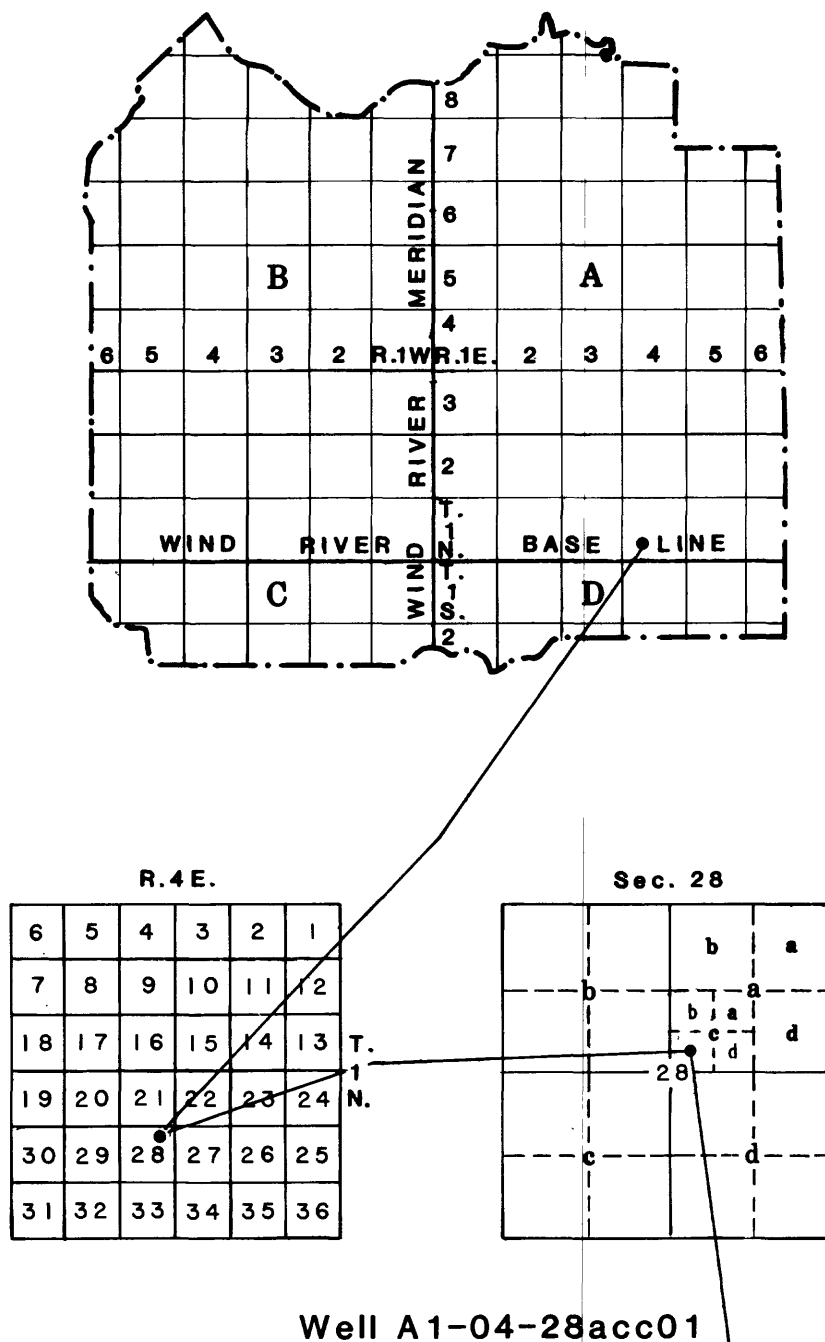


Figure 1.--Counties of Wyoming.

Observation wells on the Wind River Indian Reservation and adjacent area in Fremont County (fig. 8) 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:





The latitude, longitude, and sequence number (found in the upper right-hand corner of the hydrograph for each well) is an identification number assigned according to the grid system of latitude and longitude. The number consists of 15 digits. The first six digits denote the degrees, minutes, and seconds of latitude, the next seven digits denote the degrees, minutes, and seconds of longitude, and the last two digits identify the well within a 1-second grid.

#### 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. Dashes indicate the depth is not known.

Use of water: H, domestic; I, irrigation; P, municipal; S, stock; U, unused. Dashes indicate the use of water is not known.

Geologic source: The geologic source codes are from the 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. Dashes indicate the geologic source is not known.

Principal geologic source	Geologic unit and age
111ALVM	Alluvium; Holocene
111TRRC	Terrace deposits; Holocene
121NRPK	North Park Formation; Pliocene
121OGLL	Ogallala Formation; Pliocene
122ARKR	Arikaree Formation; Miocene
123BRUL	Brule Formation; Oligocene
123WRVR	White River Formation or Group; Oligocene
124WDRV	Wind River Formation; Eocene
124WSTC	Wasatch Formation; Eocene
125LEBO	Lebo Member of Fort Union Formation; Paleocene
211FXHL	Fox Hills Sandstone; Late Cretaceous
217LKOT	Lakota Formation; Early Cretaceous
311PRKC	Park City Formation; Permian
317CSPR	Casper Formation; Early Permian and Middle and Late Pennsylvanian
317MNLS	Minnelusa Formation; Early Permian and Pennsylvanian
317TSLP	Tensleep Sandstone; Early Permian and Middle and Late Pennsylvanian
331MDSN	Madison Limestone; Early and Late Mississippian
337PHSP	Pahasapa Limestone; Early Mississippian
374FLTD	Flathead Sandstone; Middle Cambrian

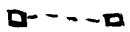
Record available: Years for which water-level measurements are available.

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 periods 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, 187 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.
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- 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-I, 145 p.
- Ragsdale, J.O., 1982, Ground-water levels in Wyoming, 1971 through part of 1980: U.S. Geological Survey Open-File Report 82-859, 200 p.
- 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.
- Ringin, 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**

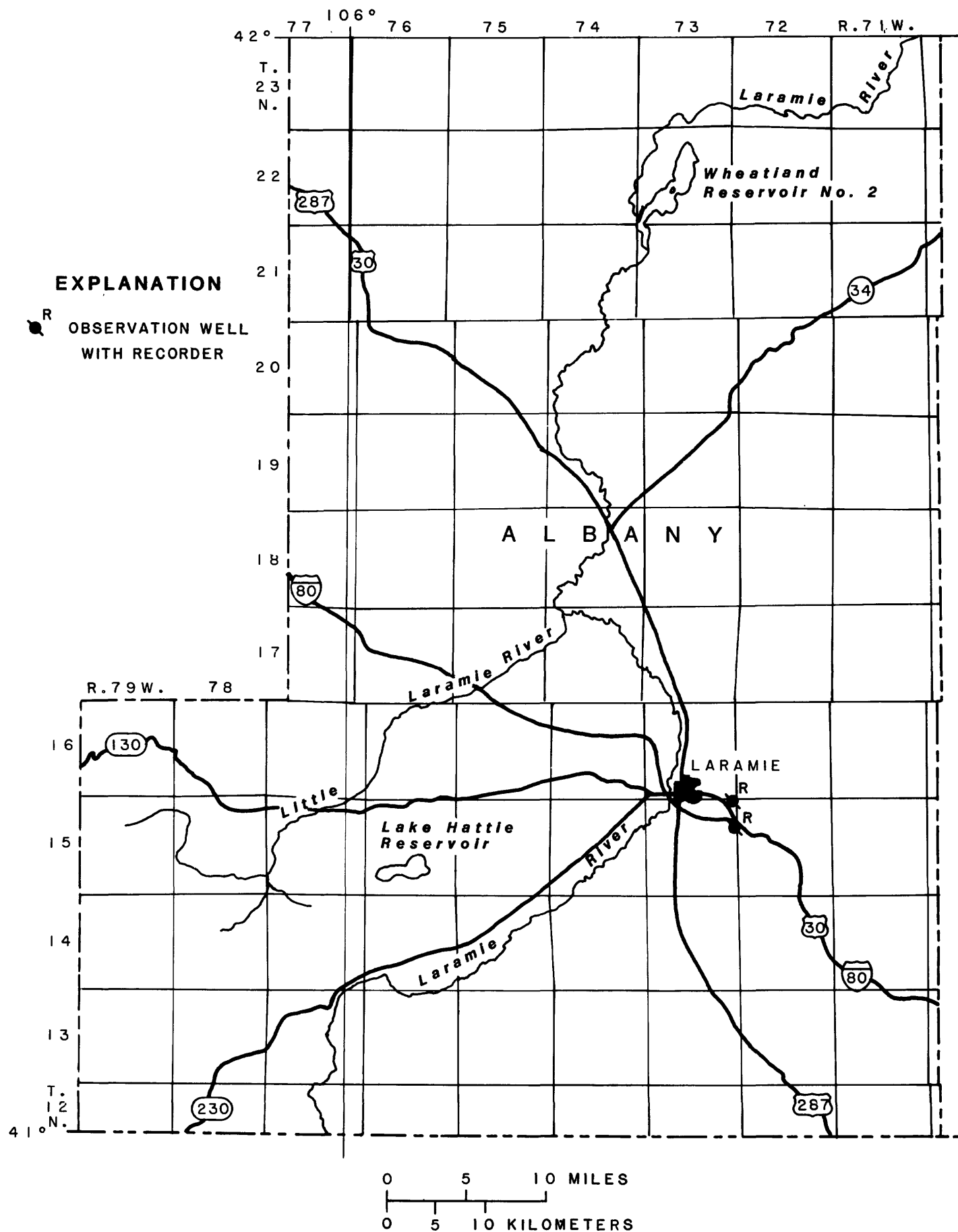


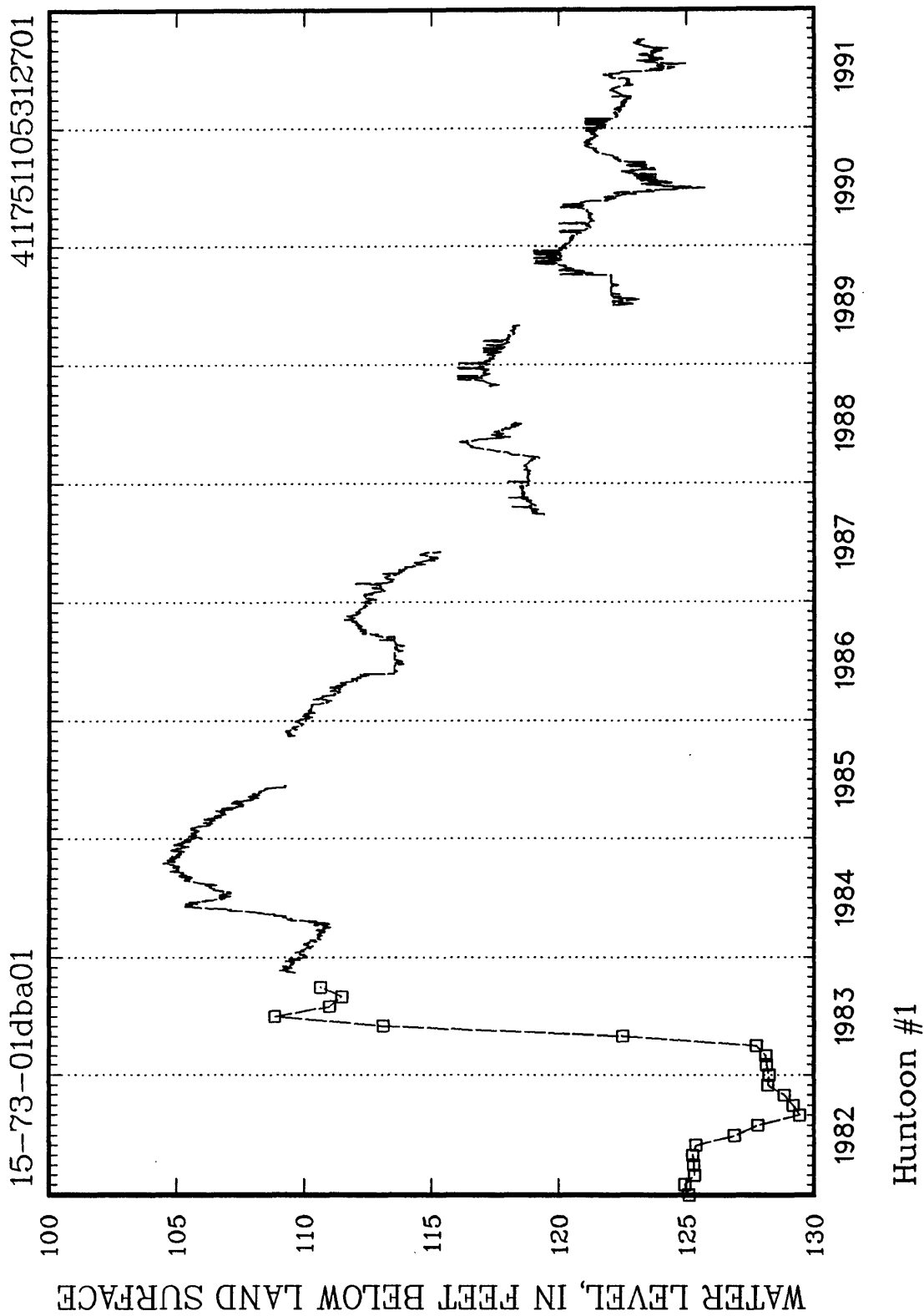
Figure 2.--Location of observation wells in Albany County, Wyoming.

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

Well number	Well depth (feet)	Use of water	Principal geologic source	Record available (year)	Water levels			
					Highest		Lowest	
					Level (feet)	Month-year	Level (feet)	Month-year
15-73-01dba01	182	S	317CSPR	1977-91	104.45	10-84	<sup>1</sup> 129.80	08-79
15-73-12dbb01	243	S	317CSPR	1978-91	59.84	09-84	85.56	05-82

<sup>1</sup> From hand-measured data.

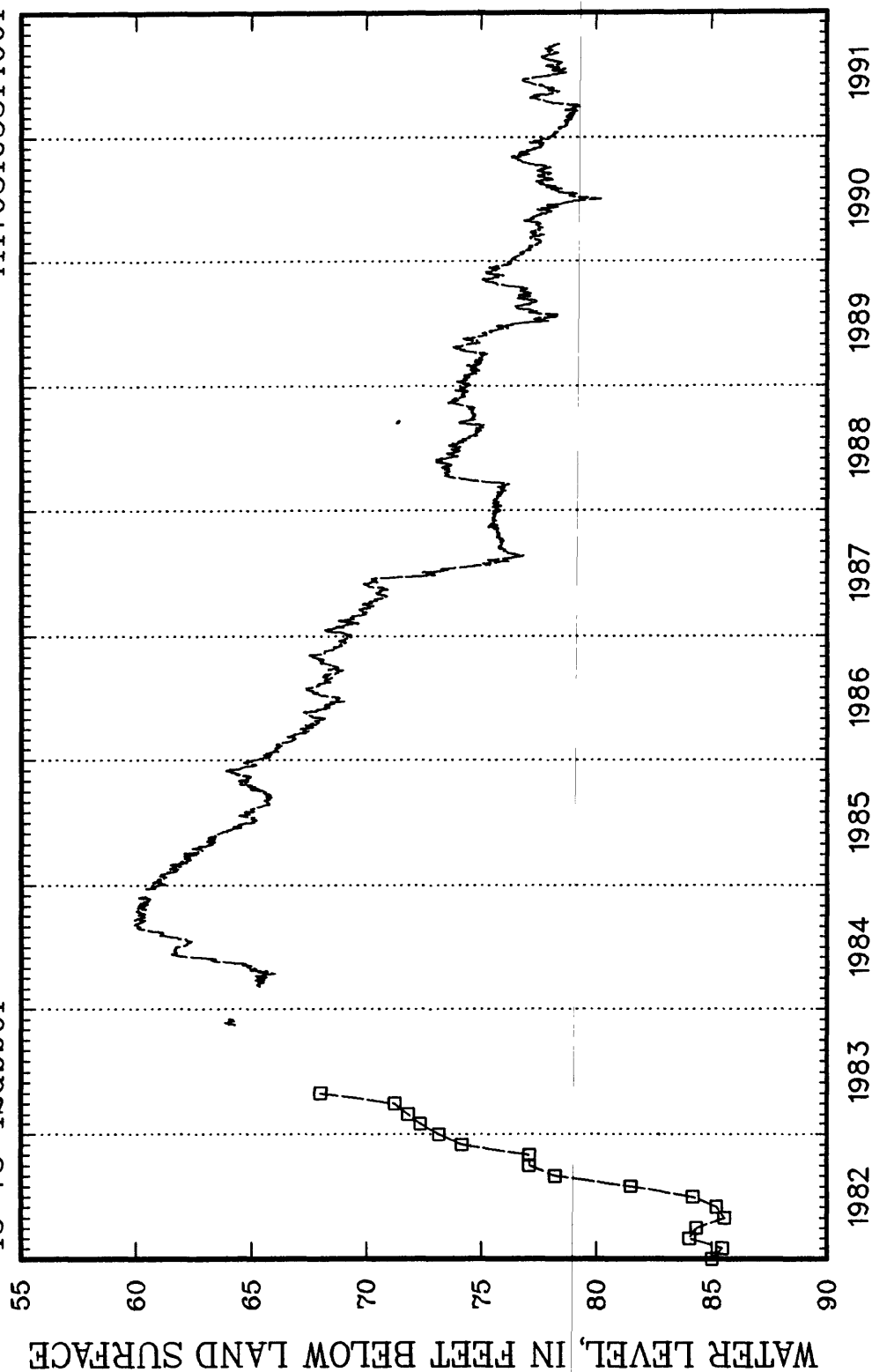
# ALBANY COUNTY



ALBANY COUNTY

411703105314001

15-73-12dbb01



Huntoon #2



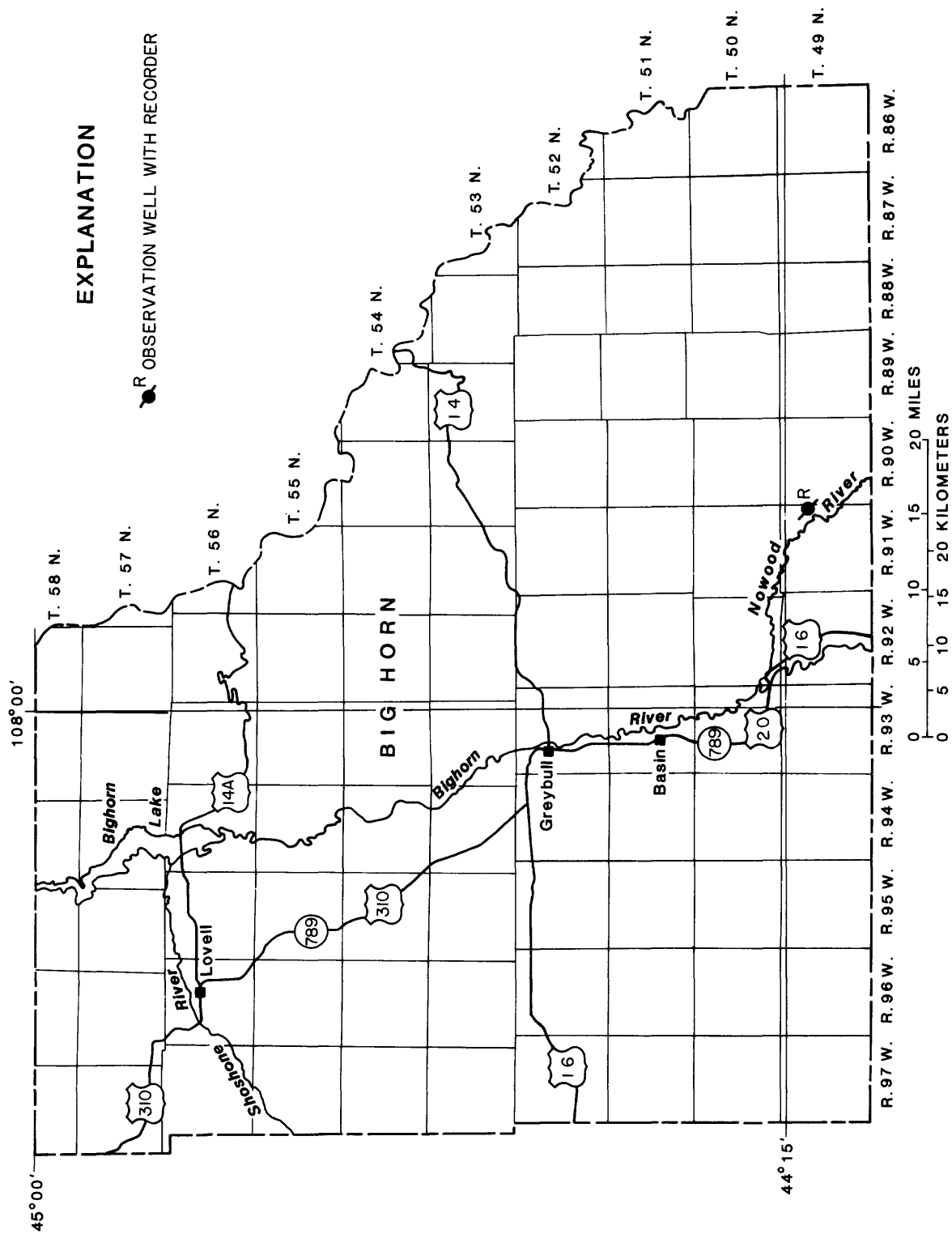


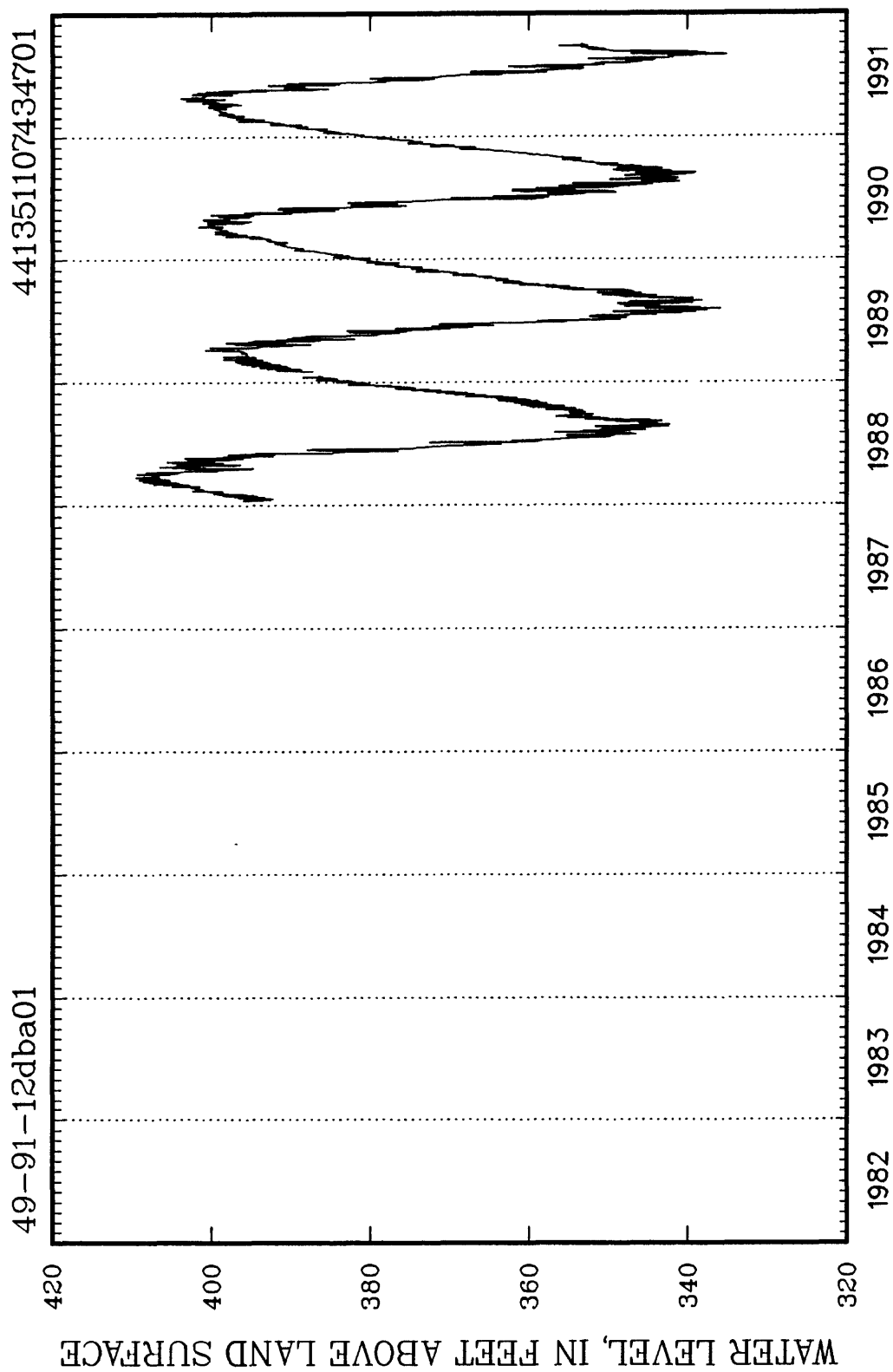
Figure 3.--Location of observation well in Big Horn County, Wyoming.

Record of observation well in Big Horn County, Wyoming, and highest and lowest recorded water levels, in feet above land surface.

Well number	Well depth (feet)	Use of water	Principal geologic source	Record available (year)	Water levels		
					Highest Level (feet)	Month-year	Lowest Level (feet) Month-year
49-91-12dba01	4,210	H	331MDSN	1988-91	1409.50	03-88	1335.12 08-91

<sup>1</sup> Artesian well, water level is shut-in pressure converted to feet above land surface by multiplying pounds per square inch times 2.31.

# BIG HORN COUNTY



Worland-1  
Artesian well, vertical axis is feet above land surface.

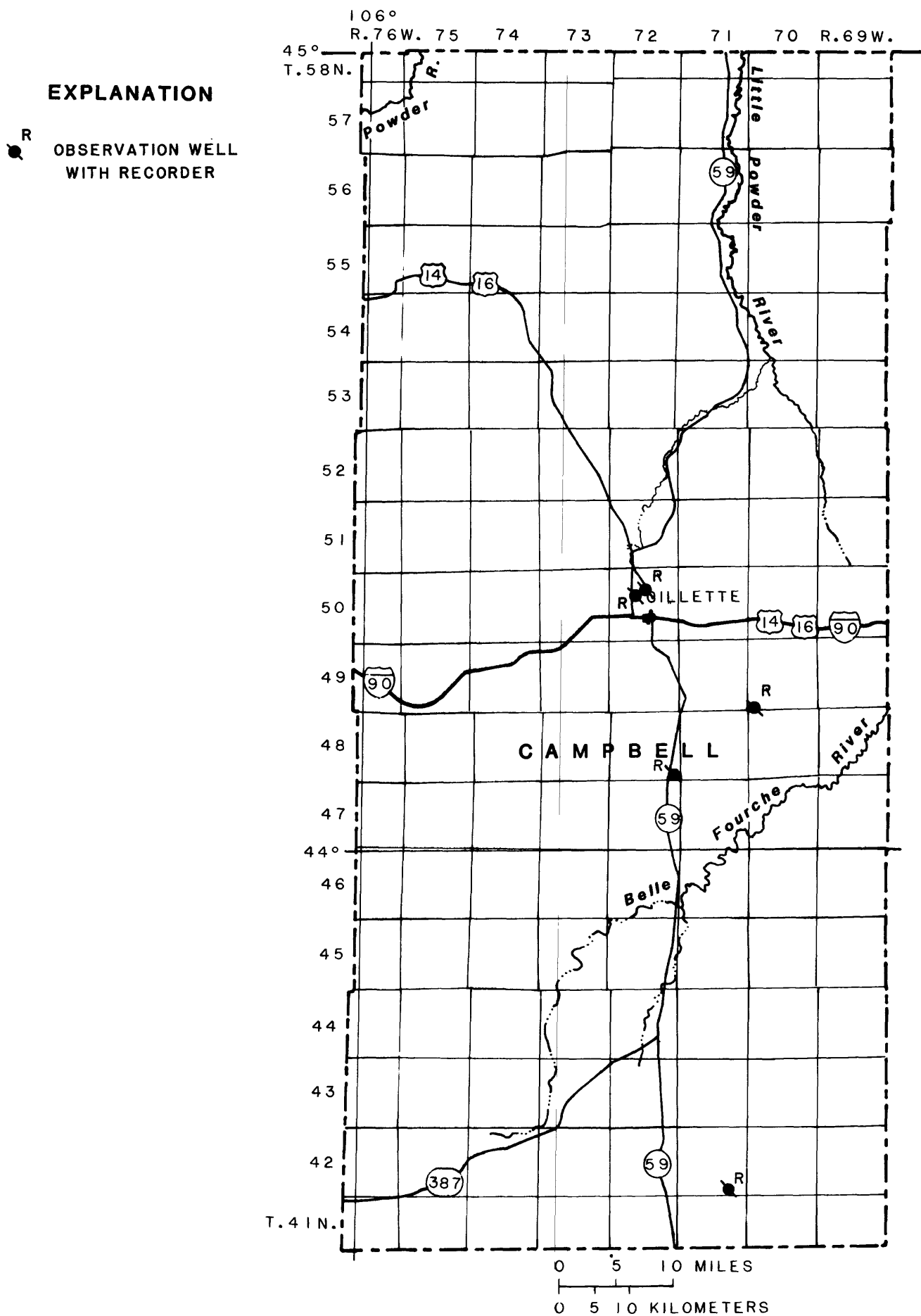
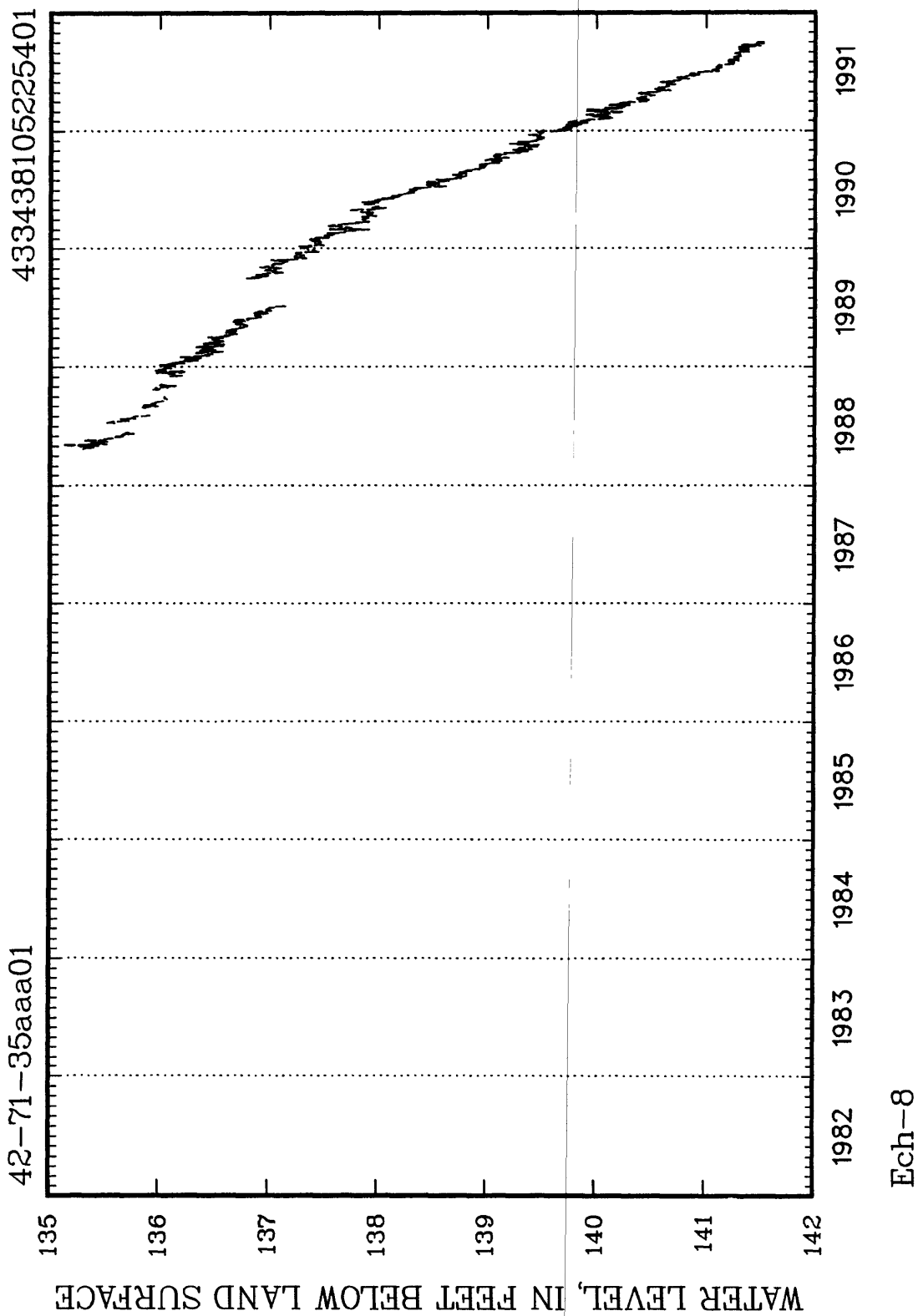


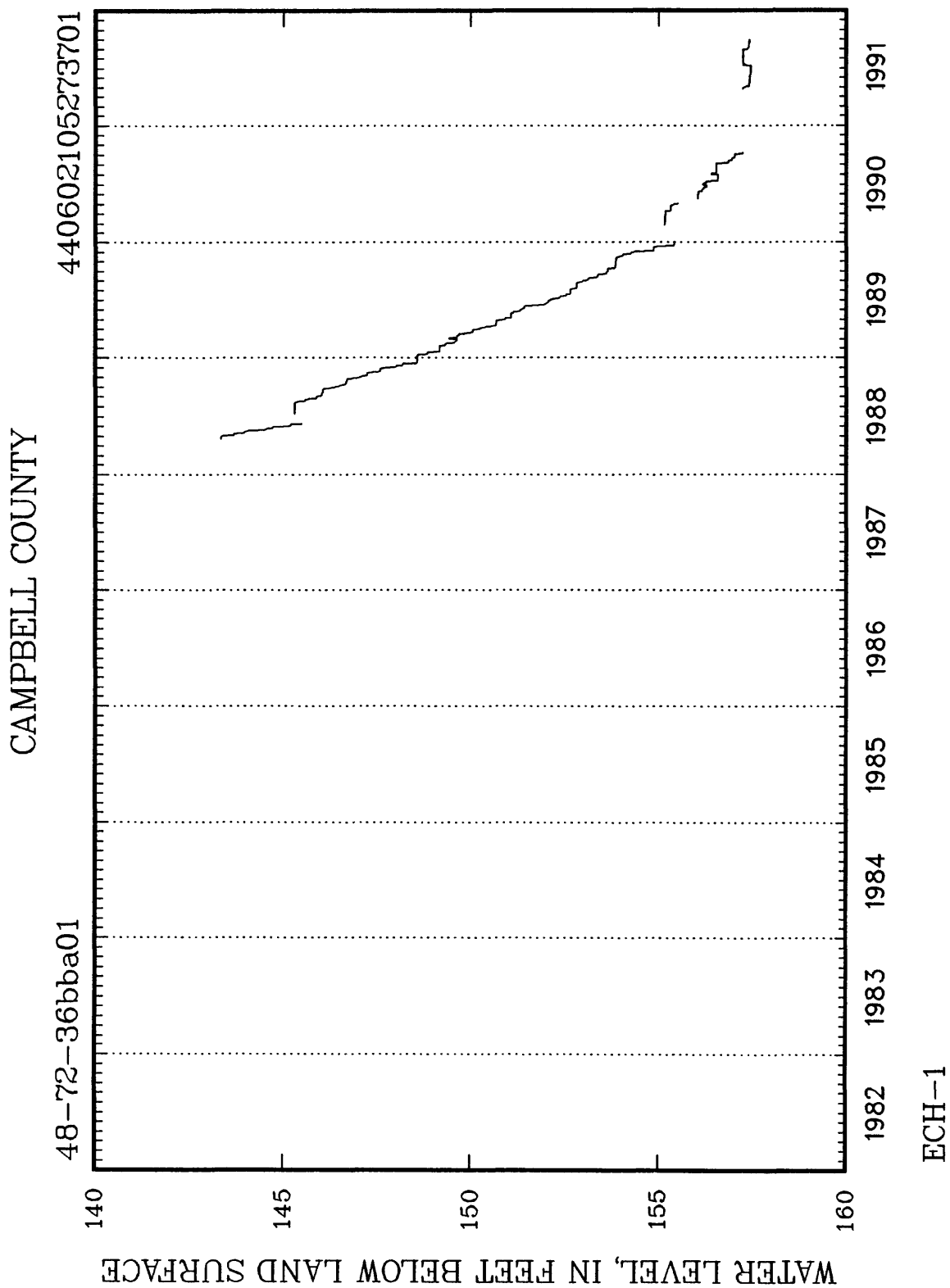
Figure 4.--Location of observation wells in Campbell County, Wyoming.

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

Well number	Well depth (feet)	Use of water	Principal geologic source	Record available (year)	Water levels			
					Highest Level (feet)	Month-year	Lowest Level (feet)	Month-year
42-71-35aaa01	399	U	124WSTC	1988-91	135.13	05-88	141.53	09-91
48-72-36bba01	380	U	124WSTC	1988-91	143.34	04-88	157.47	06-91, 07-91
49-70-31bbb01	3,754	U	211FXHL	1983-91	491.98	09-83	518.98	09-91
50-72-20cab01	1,255	U	125LEBO	1985-91	712.08	02-90	803.12	09-91
50-72-21aba01	320	P	124WSTC	1983-91	65.21	05-91	95.71	06-83

CAMPBELL COUNTY

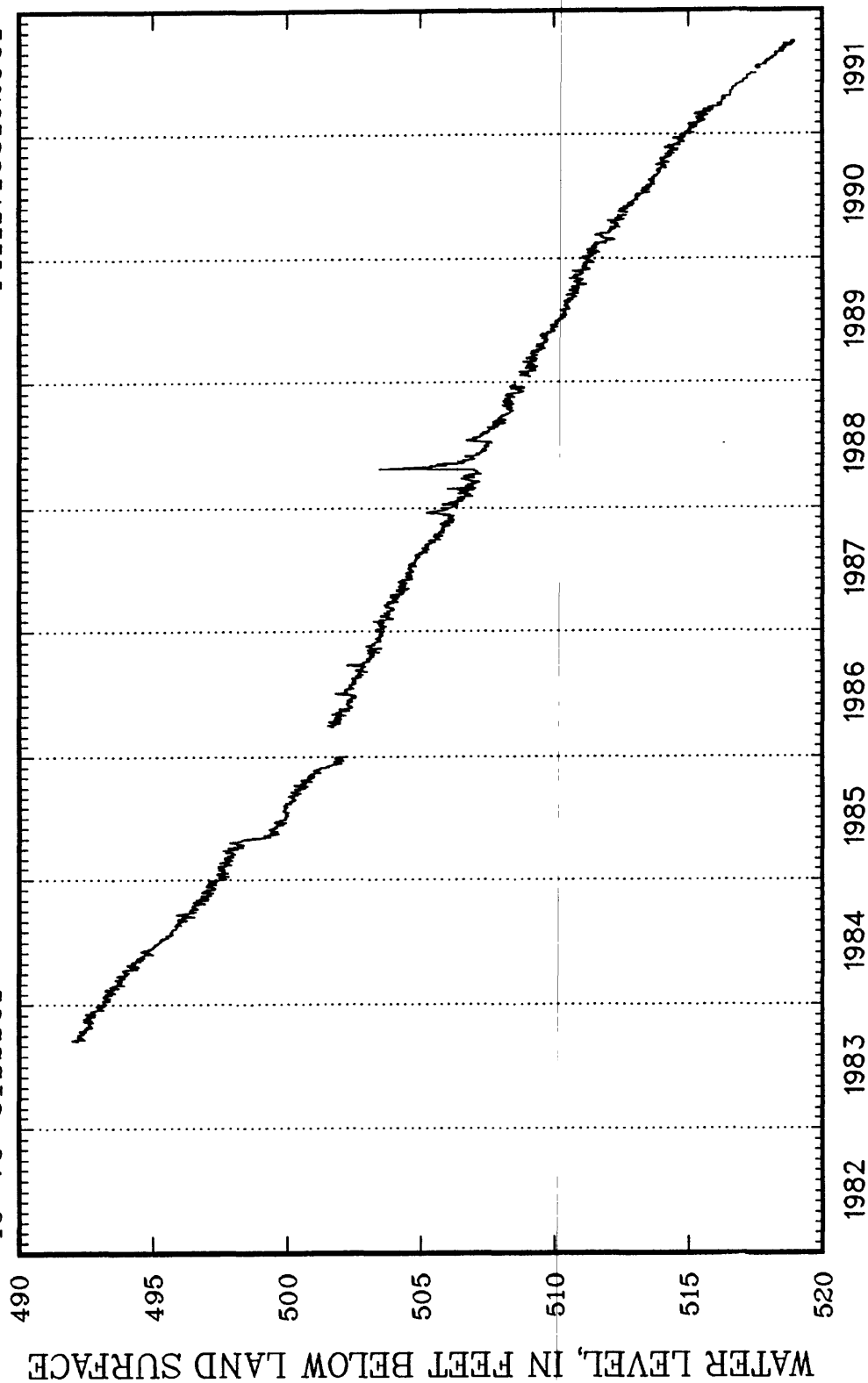




CAMPBELL COUNTY

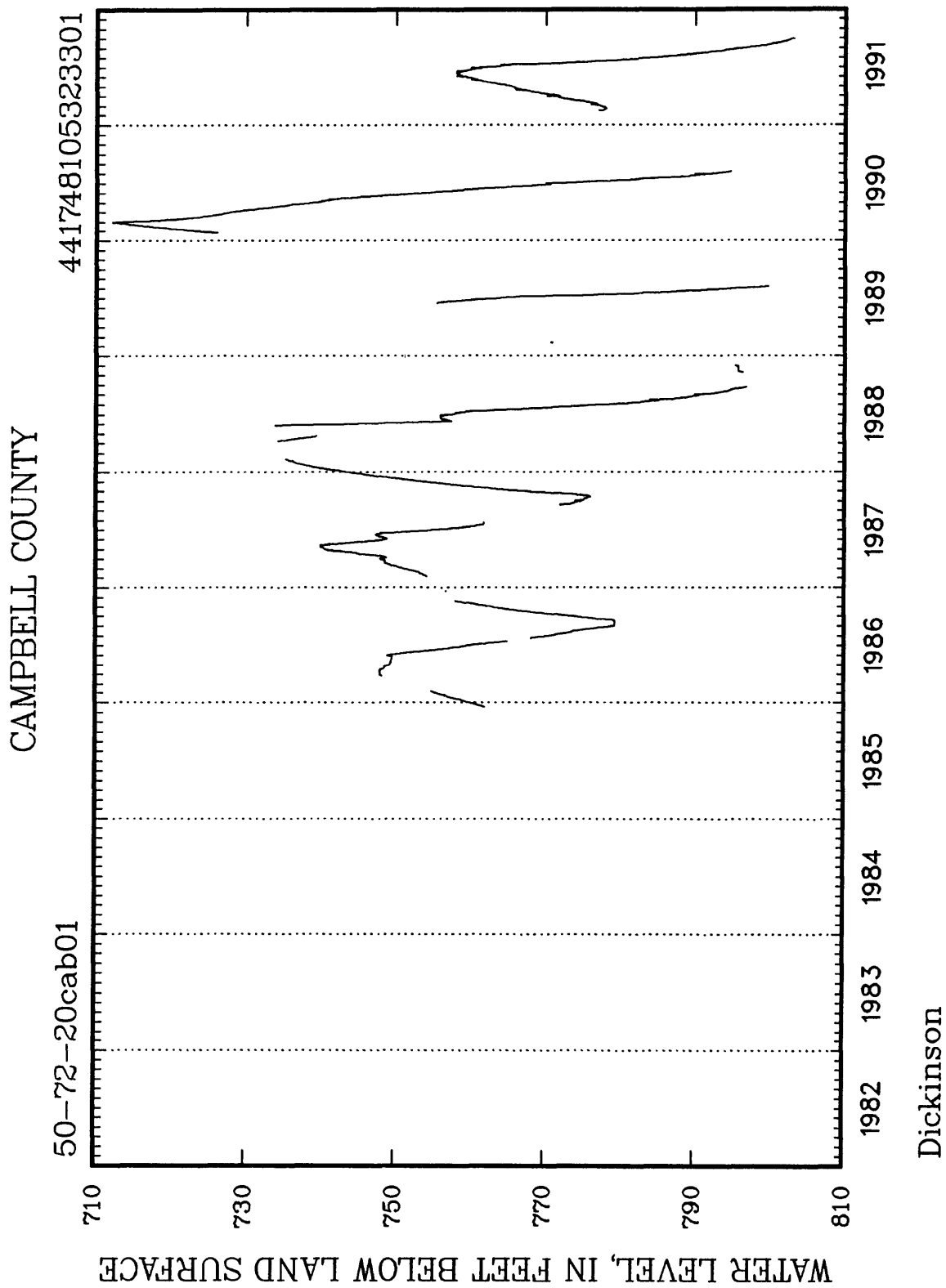
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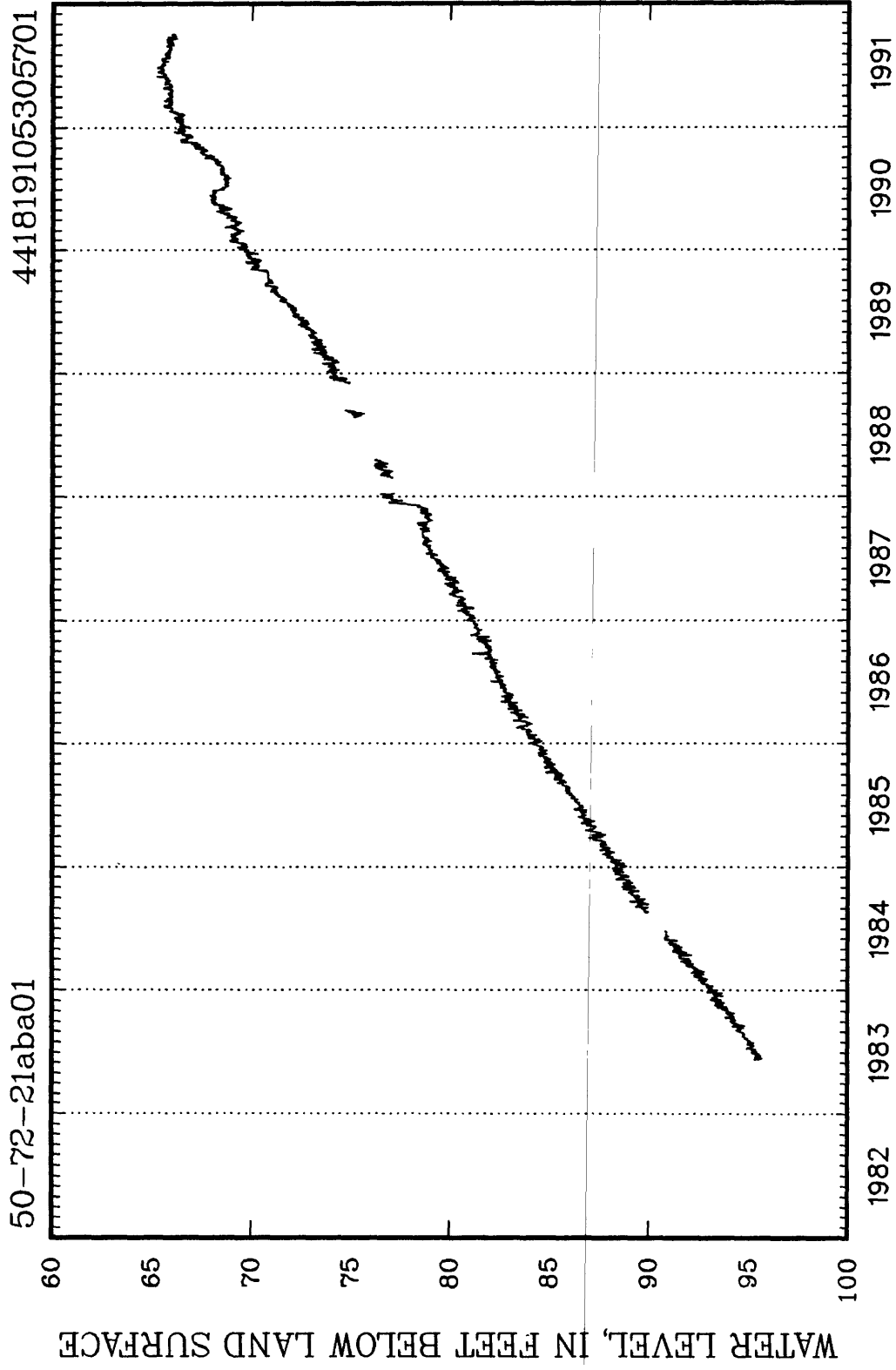


Hampshire-1





CAMPBELL COUNTY



Gillette H-13

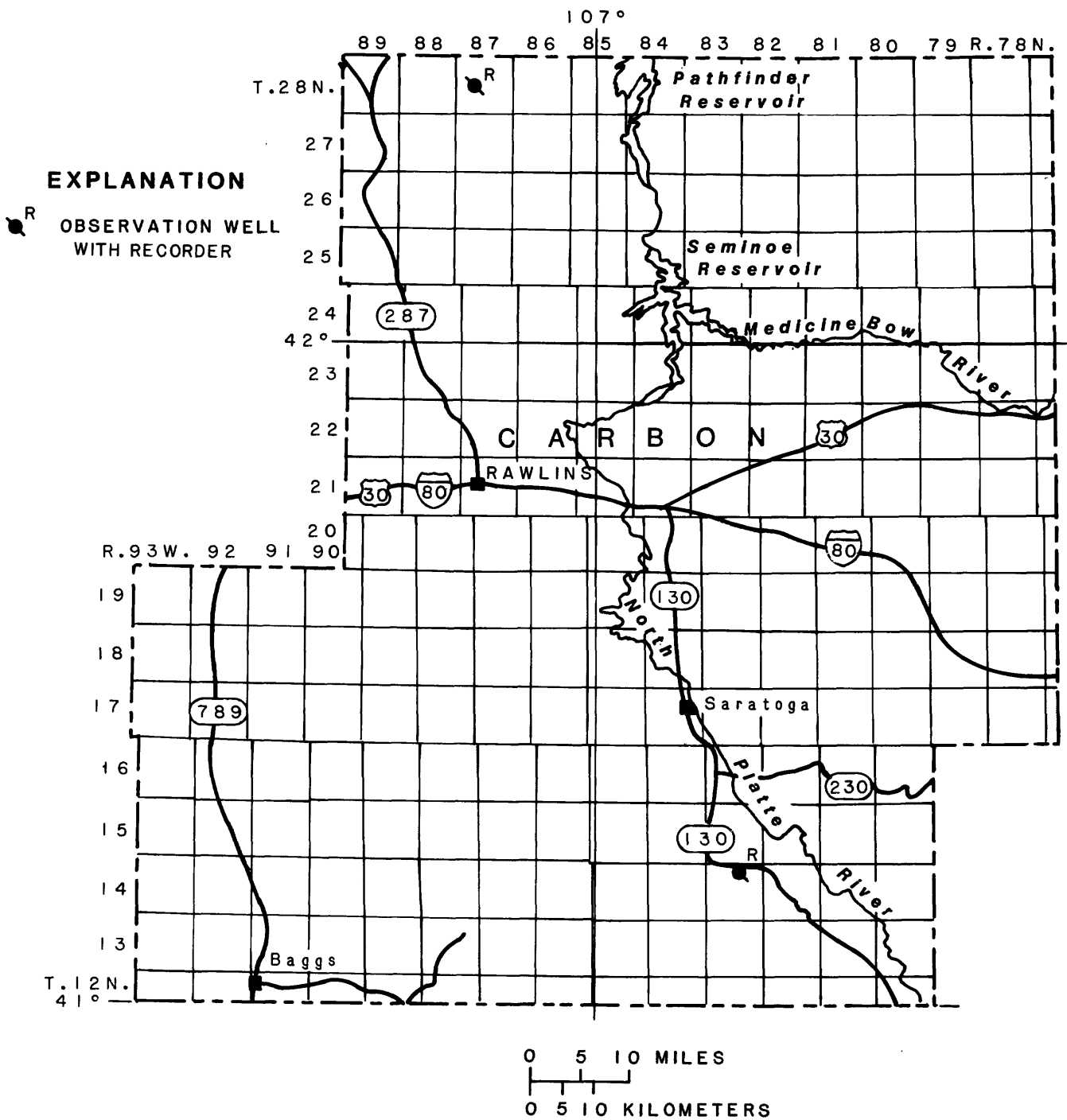
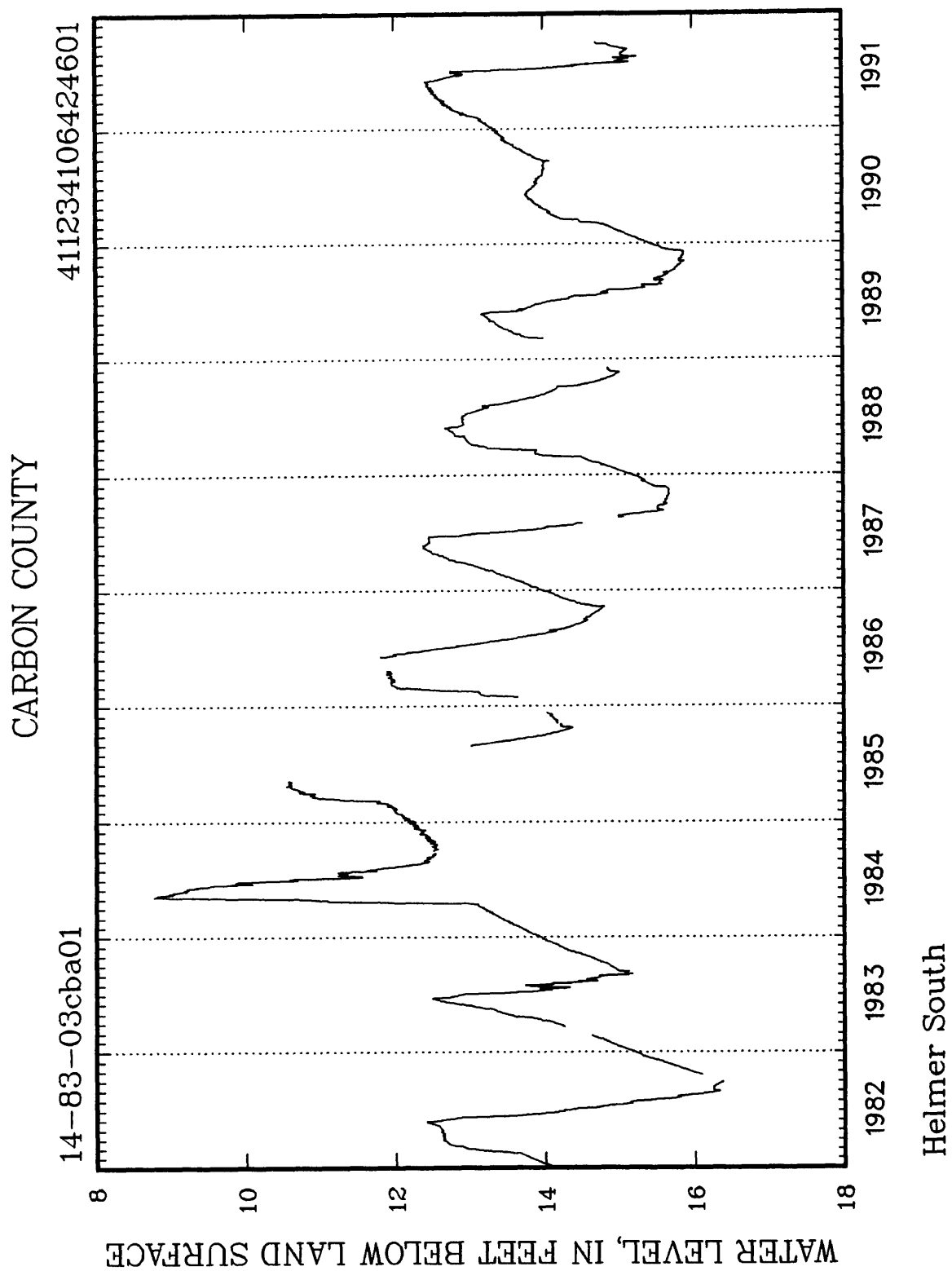


Figure 5.--Location of observation wells in Carbon County, Wyoming.

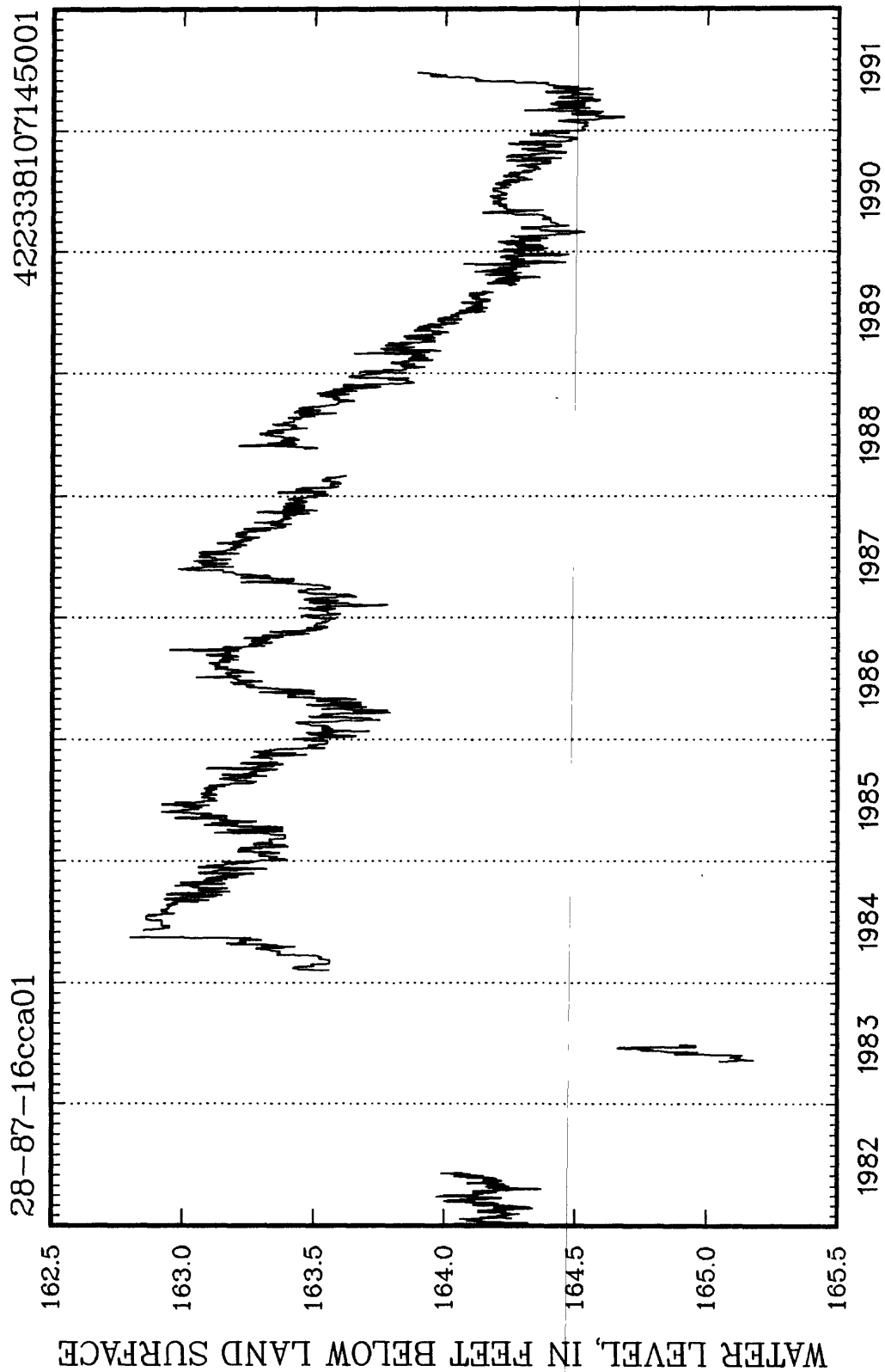
Records of observation wells in Carbon County, Wyoming, and highest and lowest recorded water levels, in feet below land surface.

Well number	Well depth (feet)	Use of water	Principal geologic source	Record available (year)	Water levels			
					Highest Level (feet)	Month-year	Lowest Level (feet)	Month-year
14-83-03cba01	58	I	121NRPK	1980-91	8.77	05-84	16.40	09-82
28-87-16cca01	812	U	122ARKR	1981-91	162.80	05-84	1182.66	10-81

<sup>1</sup> Nearby well being pumped.



CARBON COUNTY



Split Rock #2

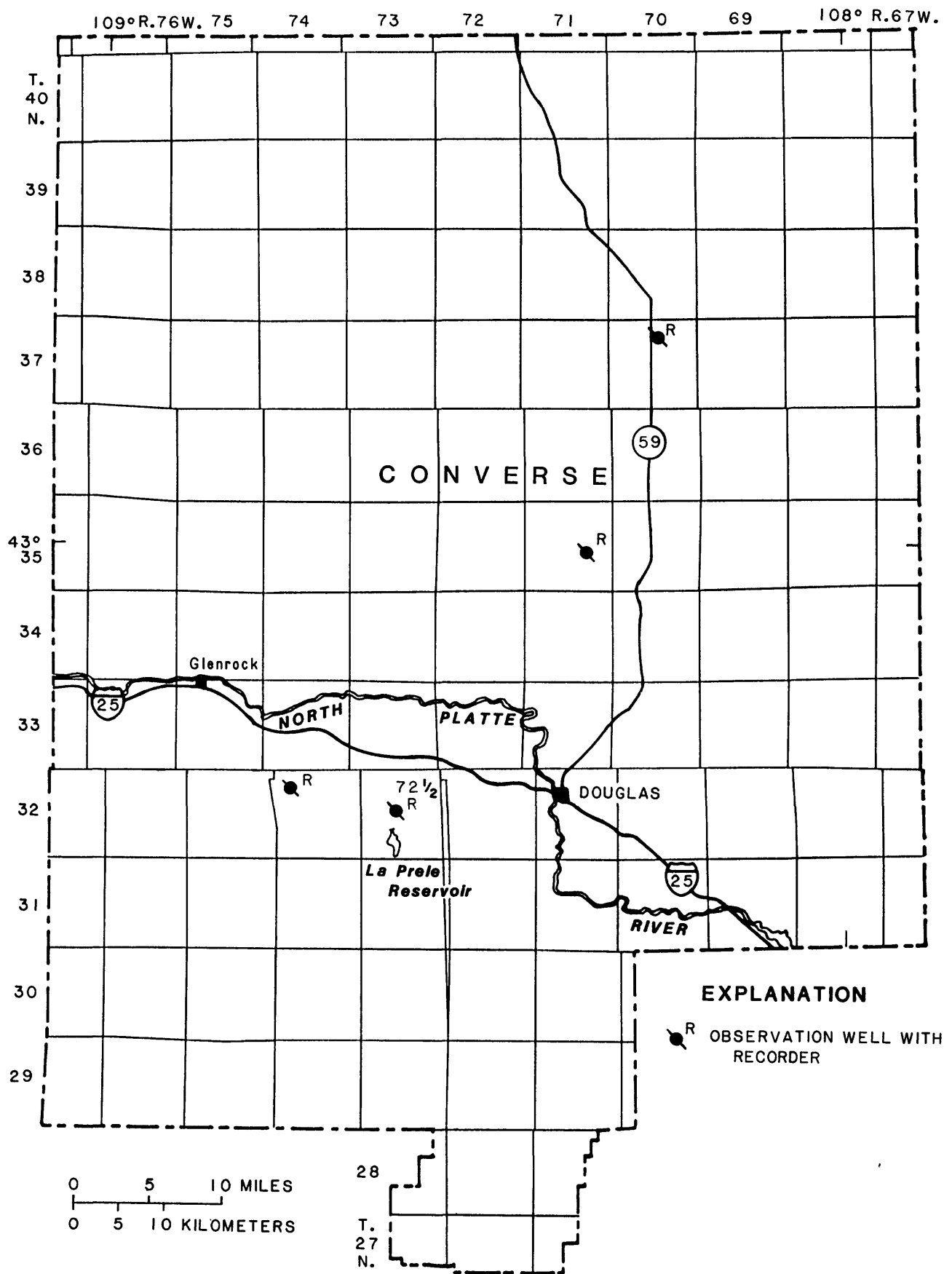
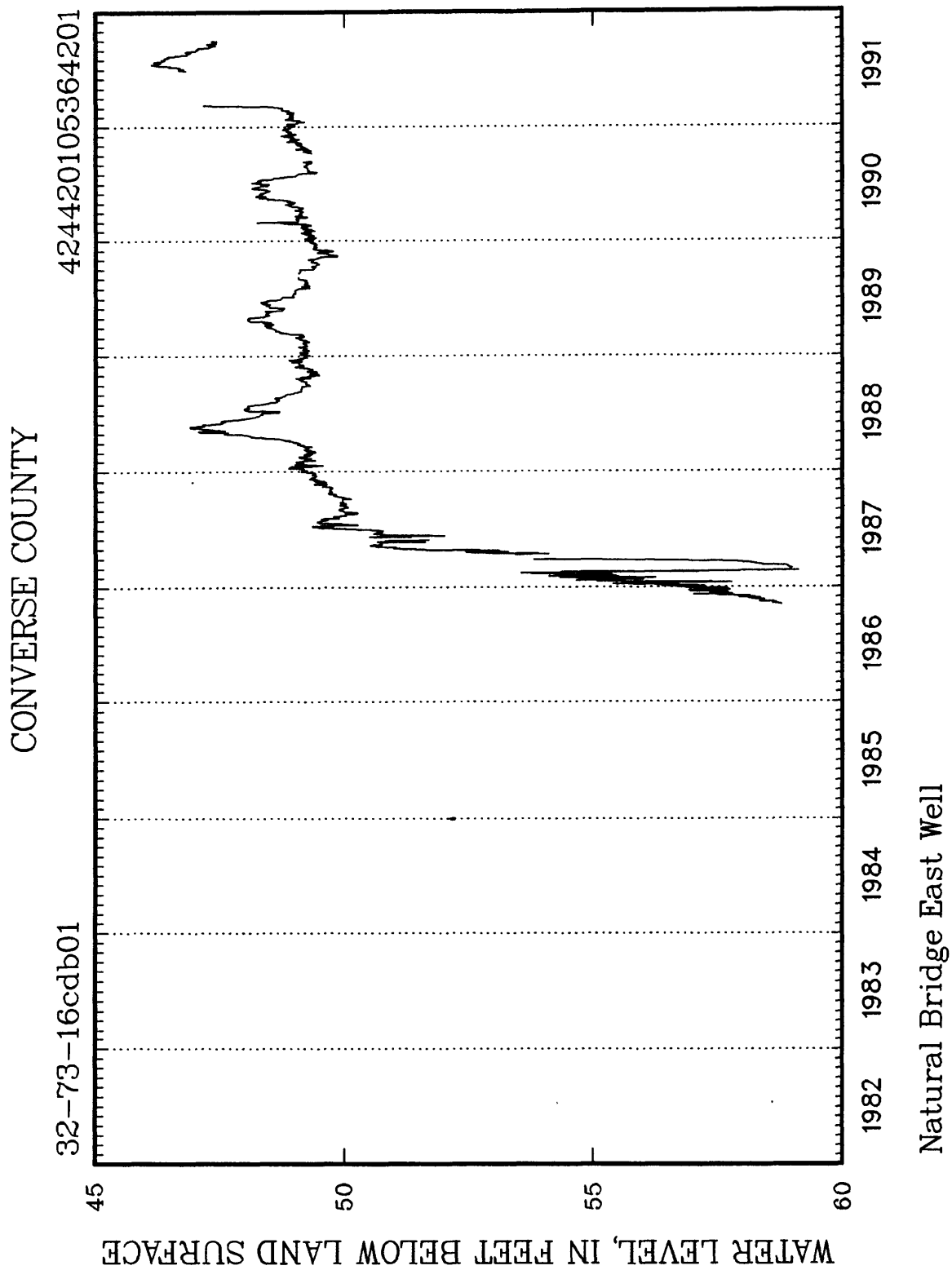


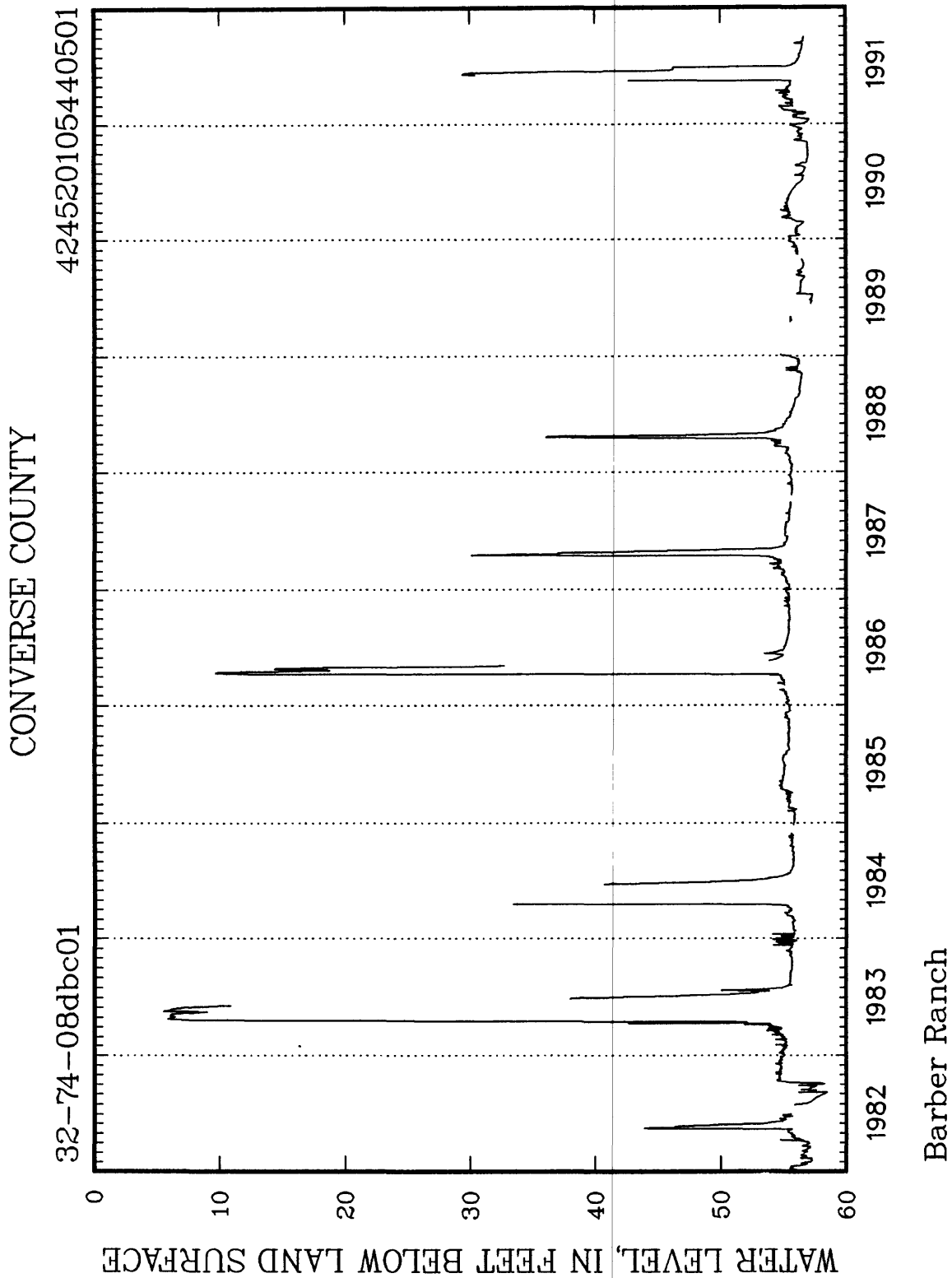
Figure 6.--Location of observation wells in Converse County, Wyoming.

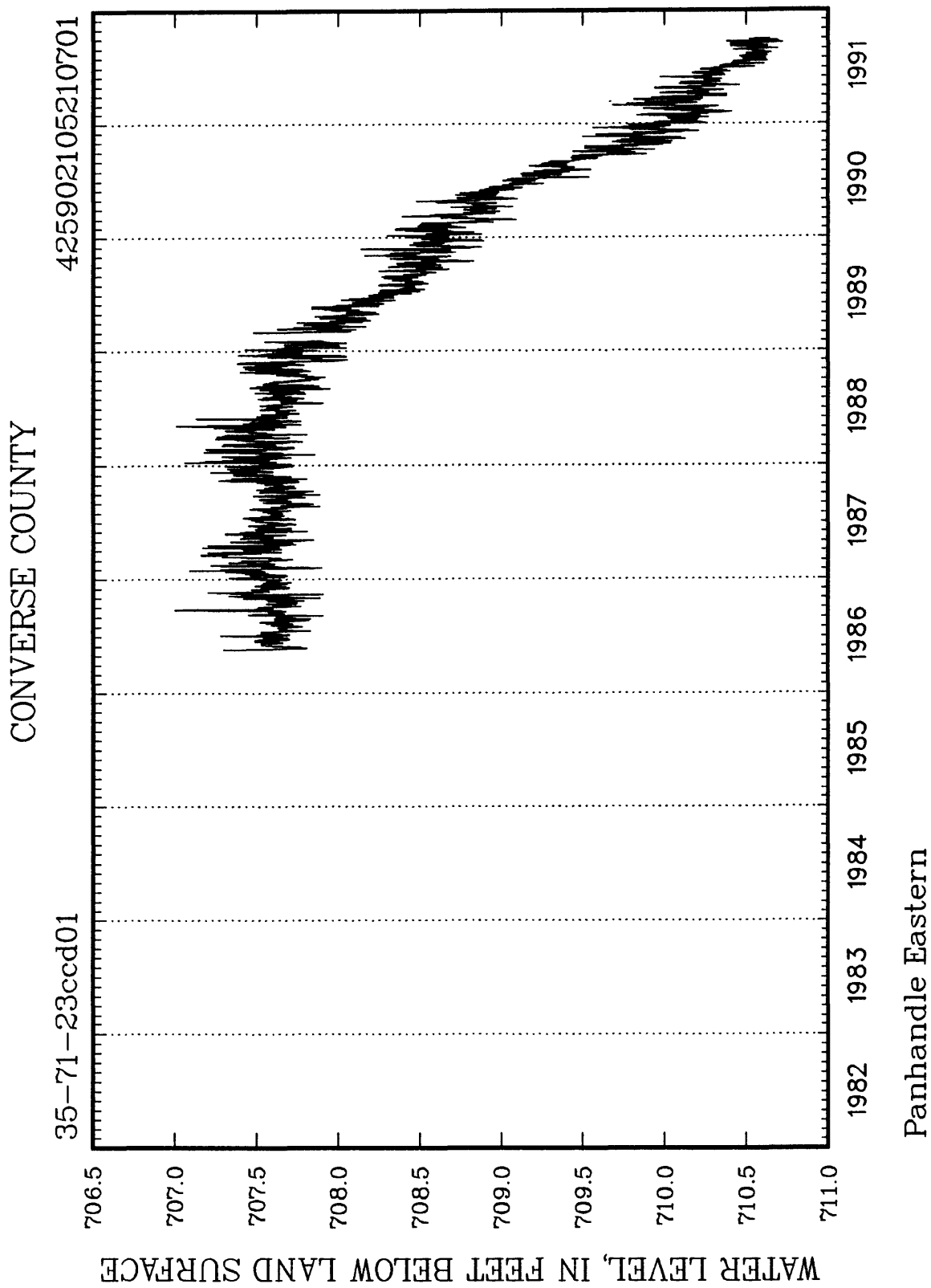
Records of observation wells in Converse County, Wyoming, and highest and lowest recorded water levels, in feet below land surface.

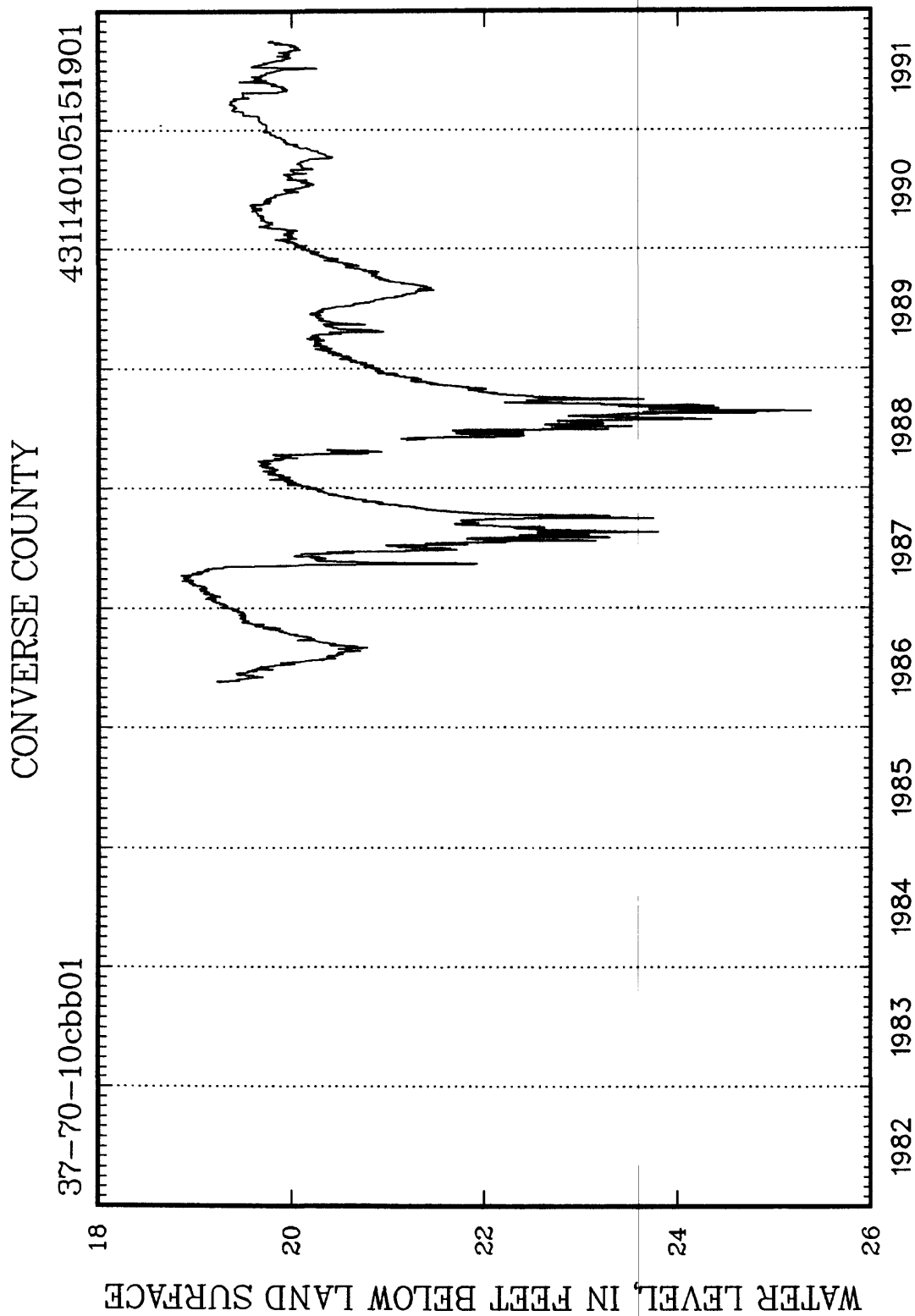
Well number	Well depth (feet)	Use of water	Principal geologic source	Record available (year)	Water levels			
					Highest Level (feet)	Month-year	Lowest Level (feet)	Month-year
32-73-16cdb01	220	U	317CSPR	1986-91	46.12	07-91	59.12	02-87
32-74-08dbc01	100	U	331MDSN	1980-91	5.51	05-83	58.50	09-82
35-71-23ccd01	6,330	U	211FXHL	1986-91	707.00	09-86	710.72	09-91
37-70-10cbb01	268	U	124WSTC	1986-91	18.85	04-87	25.38	08-88











Bill #6

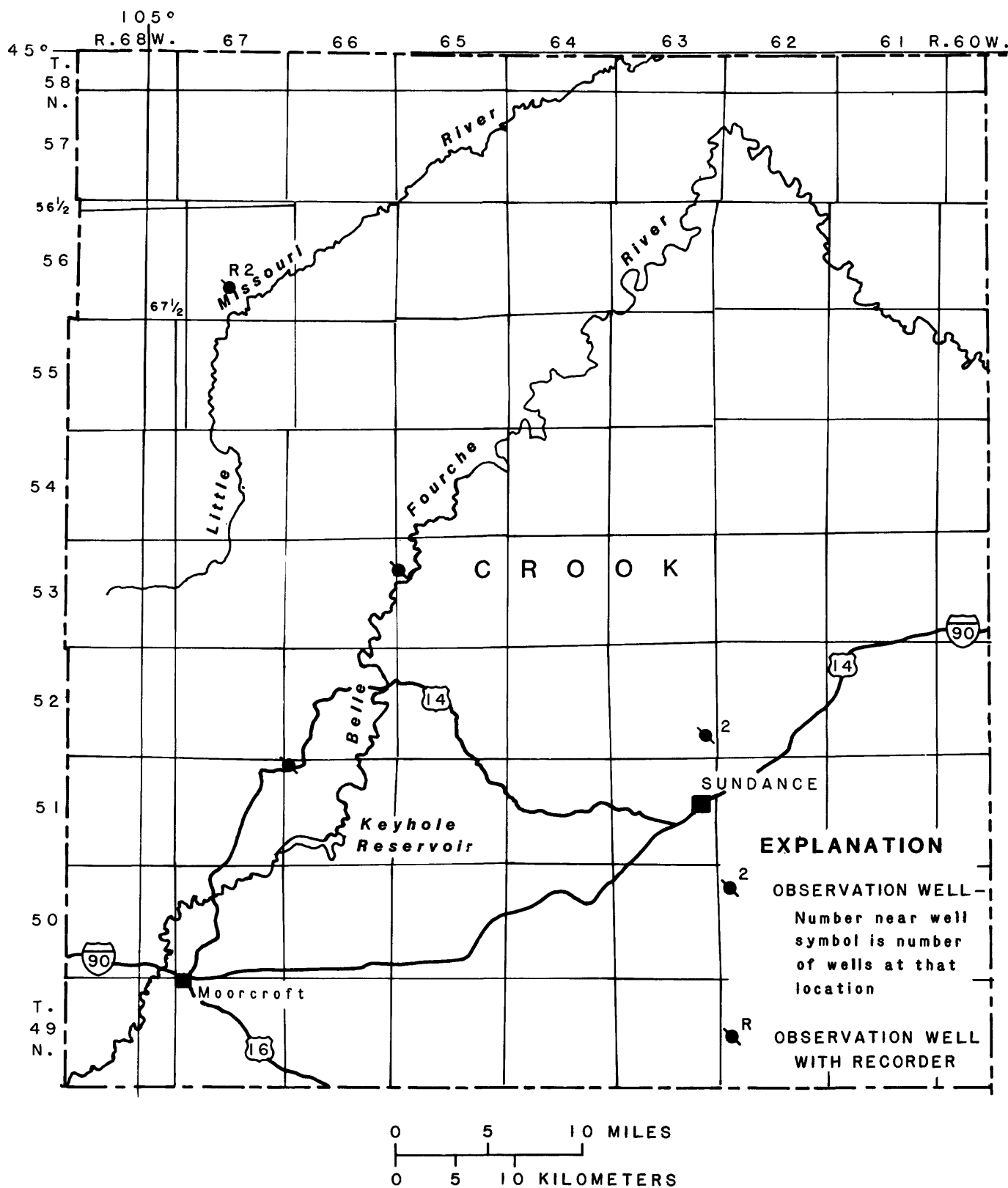


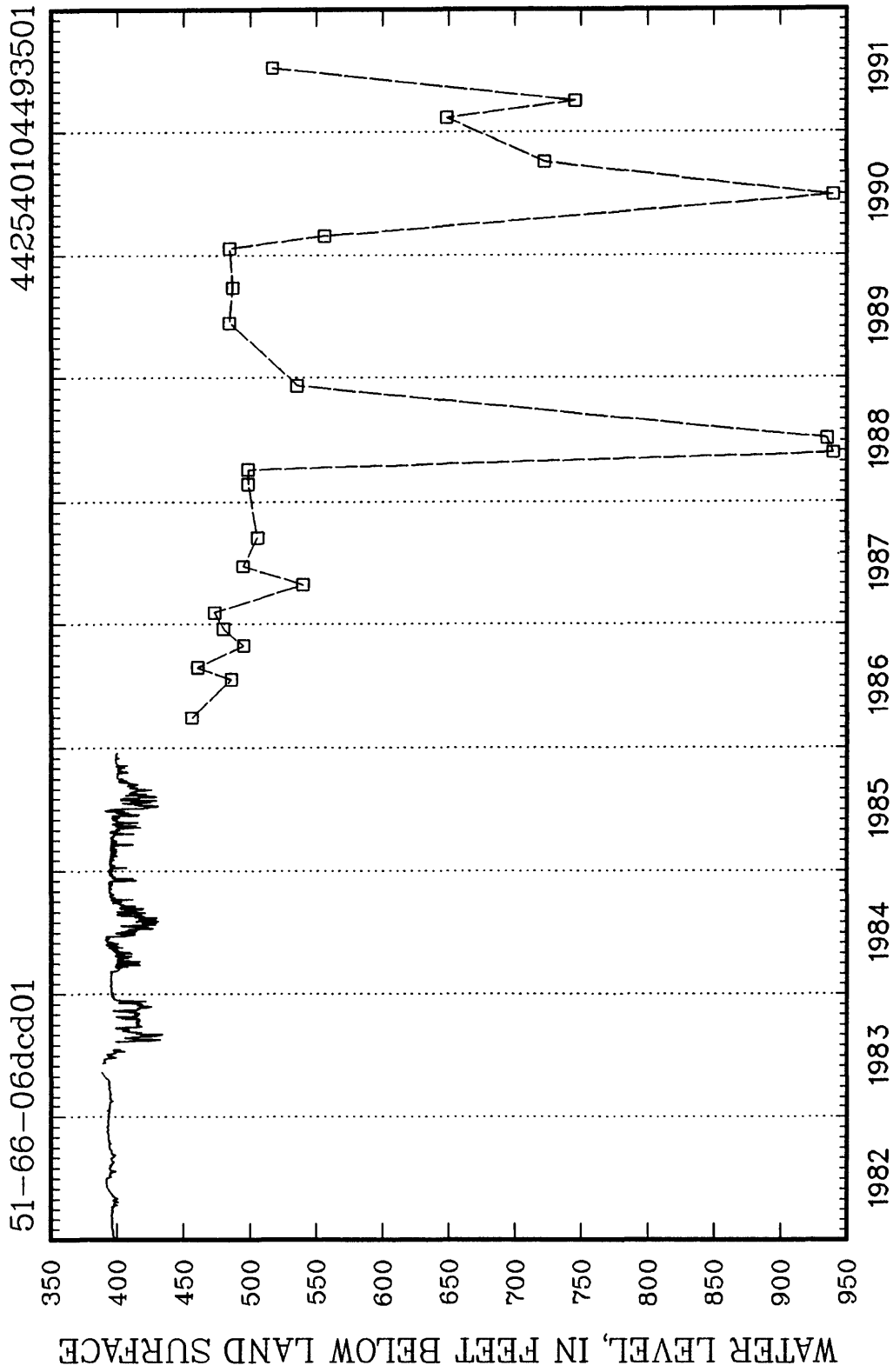
Figure 7.--Location of observation wells in Crook County, Wyoming.

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

Well number	Well depth (feet)	Use of water	Principal geologic source	Record available (year)	Water levels			
					Highest Level (feet)	Month-year	Lowest Level (feet)	Month-year
51-66-06dcd01	3,001	P	331MDSN	1981-91	388.66	05-83	1939.60	05-88, 06, 90
52-63-25dcd01	1,123	P	331MDSN	1982-84, 1989-91	1436.41	02-91	1521.88	08-90
52-63-25dcd02	1,236	P	331MDSN	1984-85, 1987-90	1408.35	01-89, 03-89	1583.37	08-88
53-65-18bbd02	1,341	P	337PHSP	1962-91	13.90	09-76	157.97	04-91
56-67-28aab01	3,320	U	331MDSN	1982-91	151.65	11-84	162.36	09-91
56-67-28aab02	2,240	U	331MNLS	1983-91	128.18	05-87	143.15	09-91

<sup>1</sup> From hand-measured data.

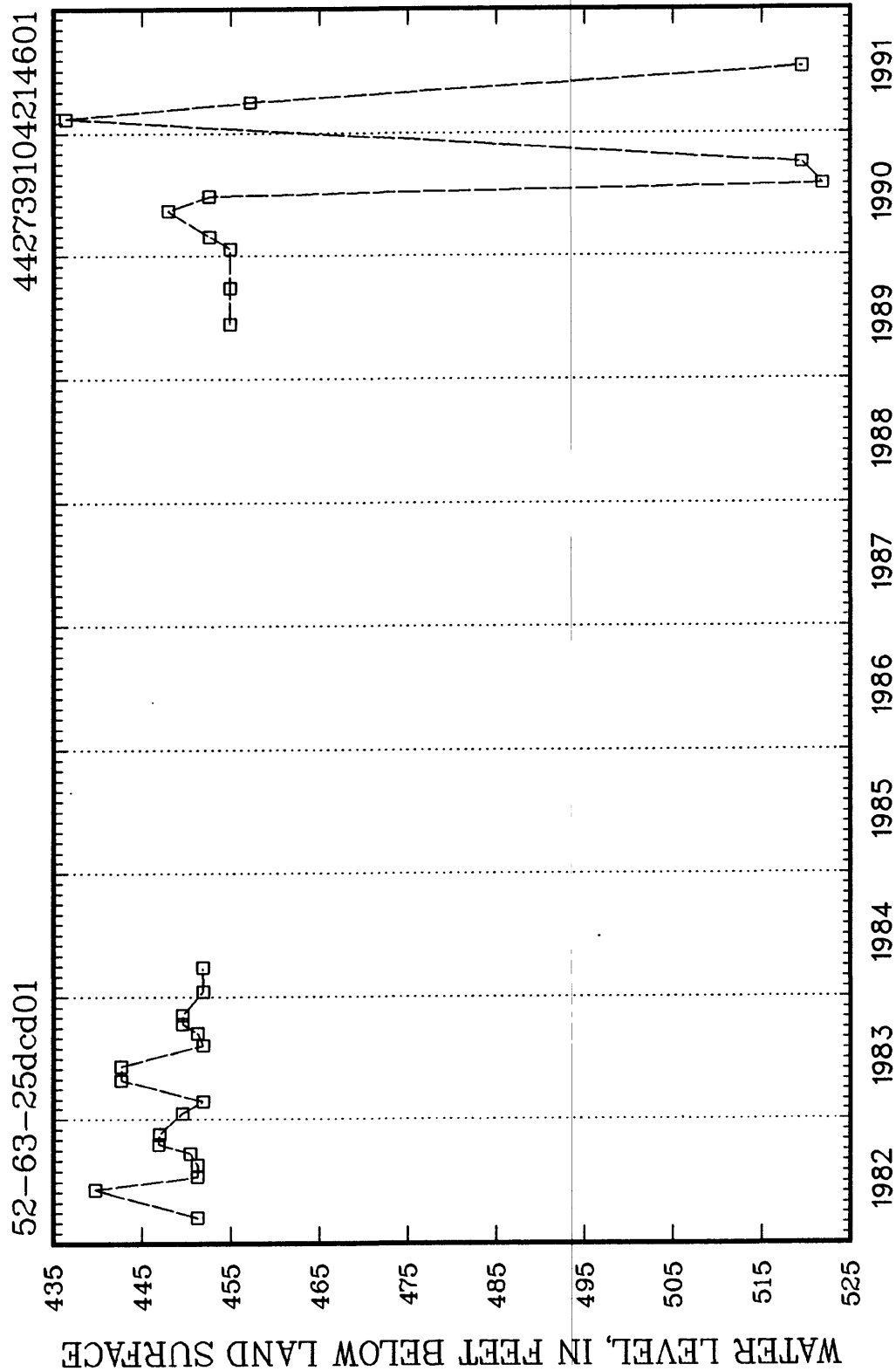
# CROOK COUNTY



Gillette Madison M-8

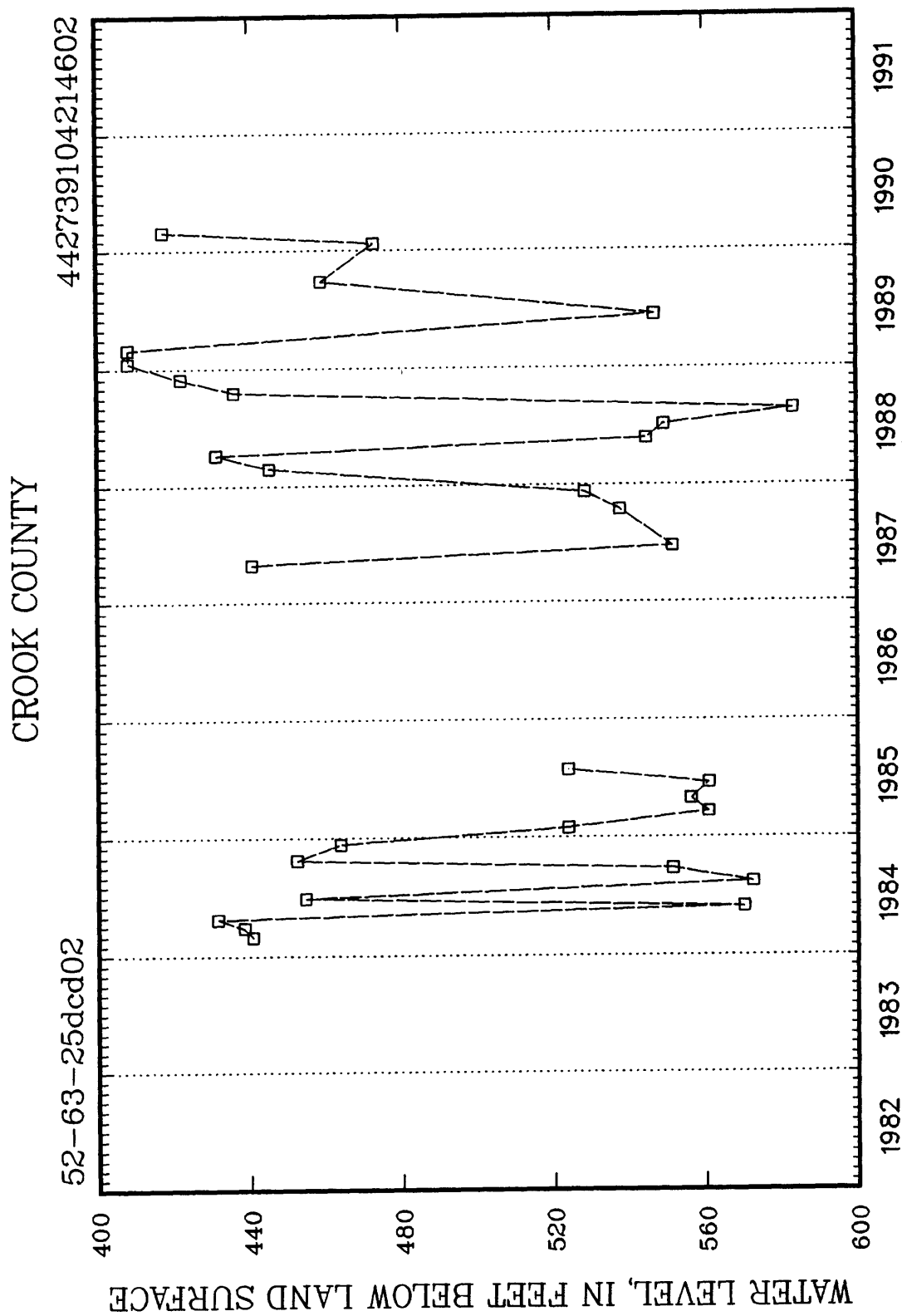
Data reflect static and pumping water levels.

# CROOK COUNTY



Cole #3A  
Data reflect static and pumping water levels.



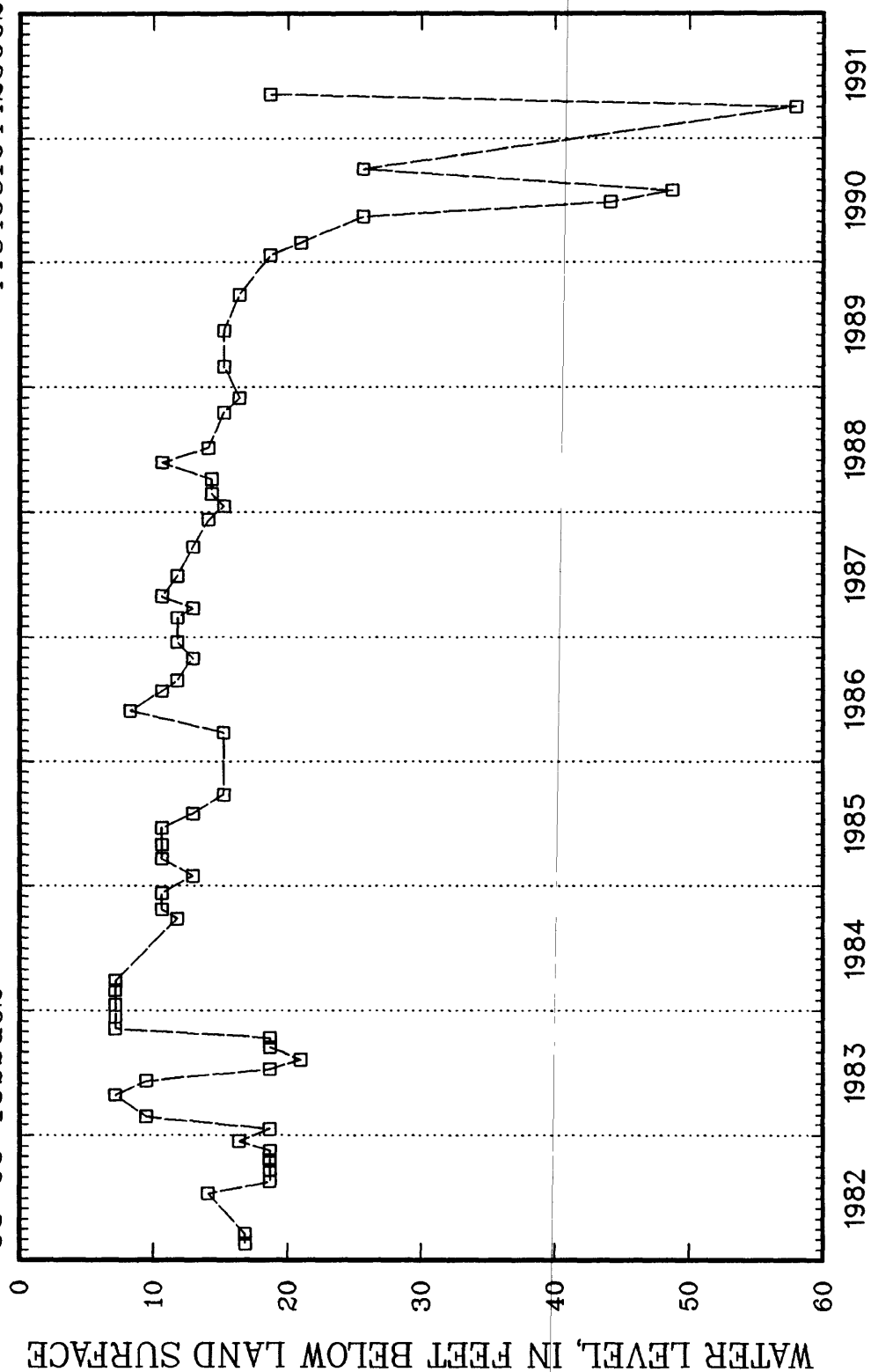


Cole #3B  
Data reflect static and pumping water levels.

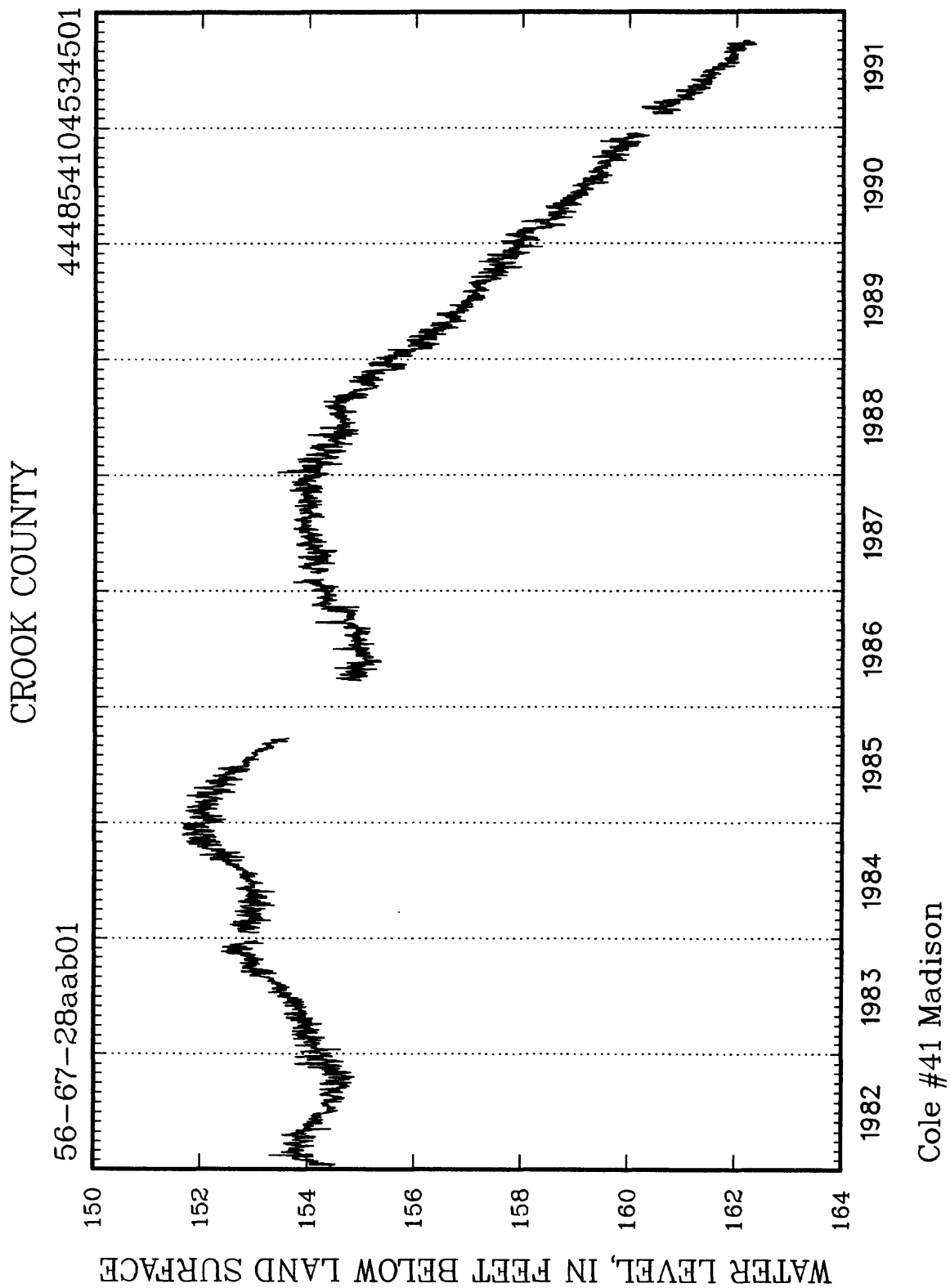
# CROOK COUNTY

443453104425602

53-65-18bbd02



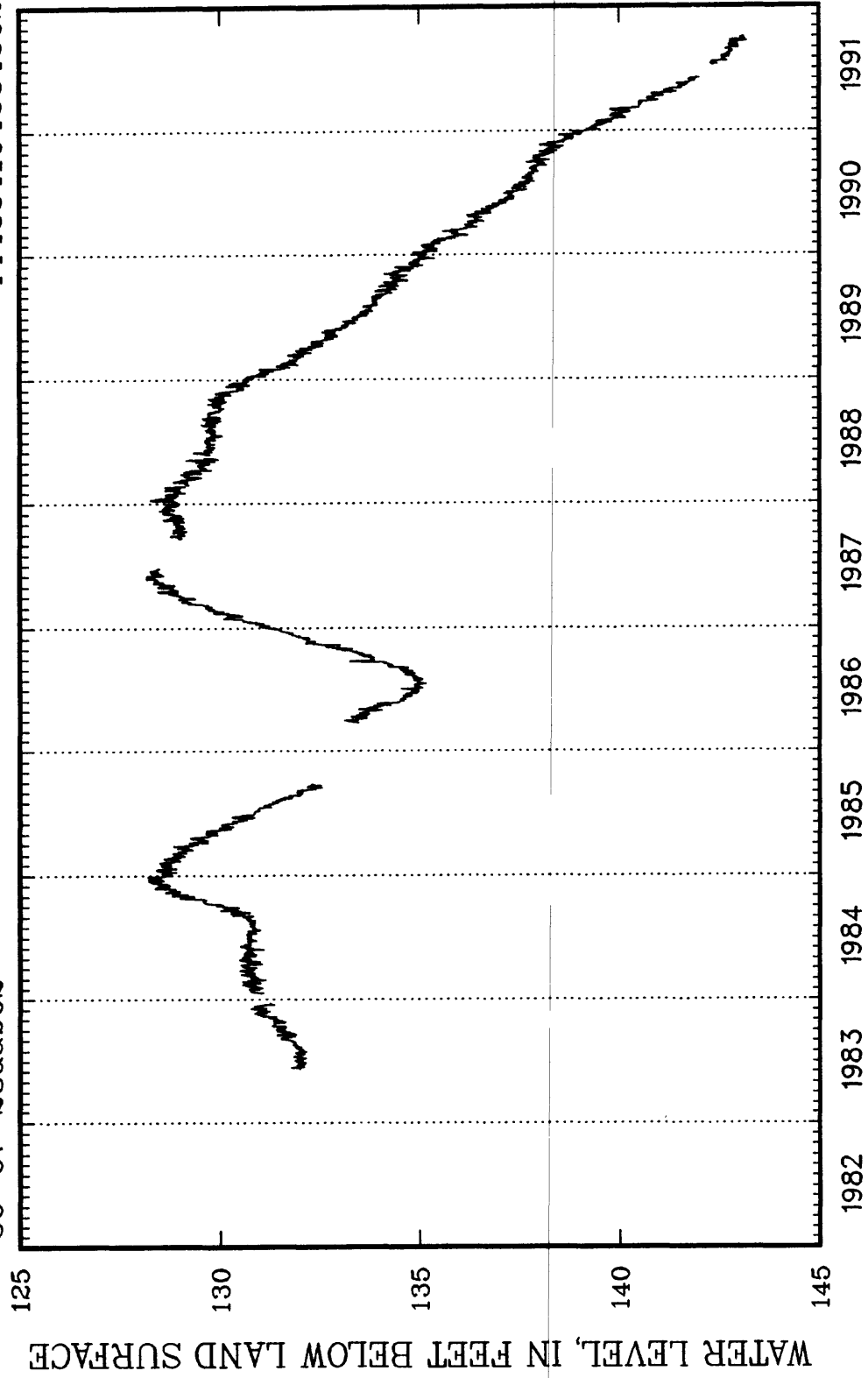
Park Service



CROOK COUNTY

56-67-28aab02

444854104534502



Cole #41 Minnelusa

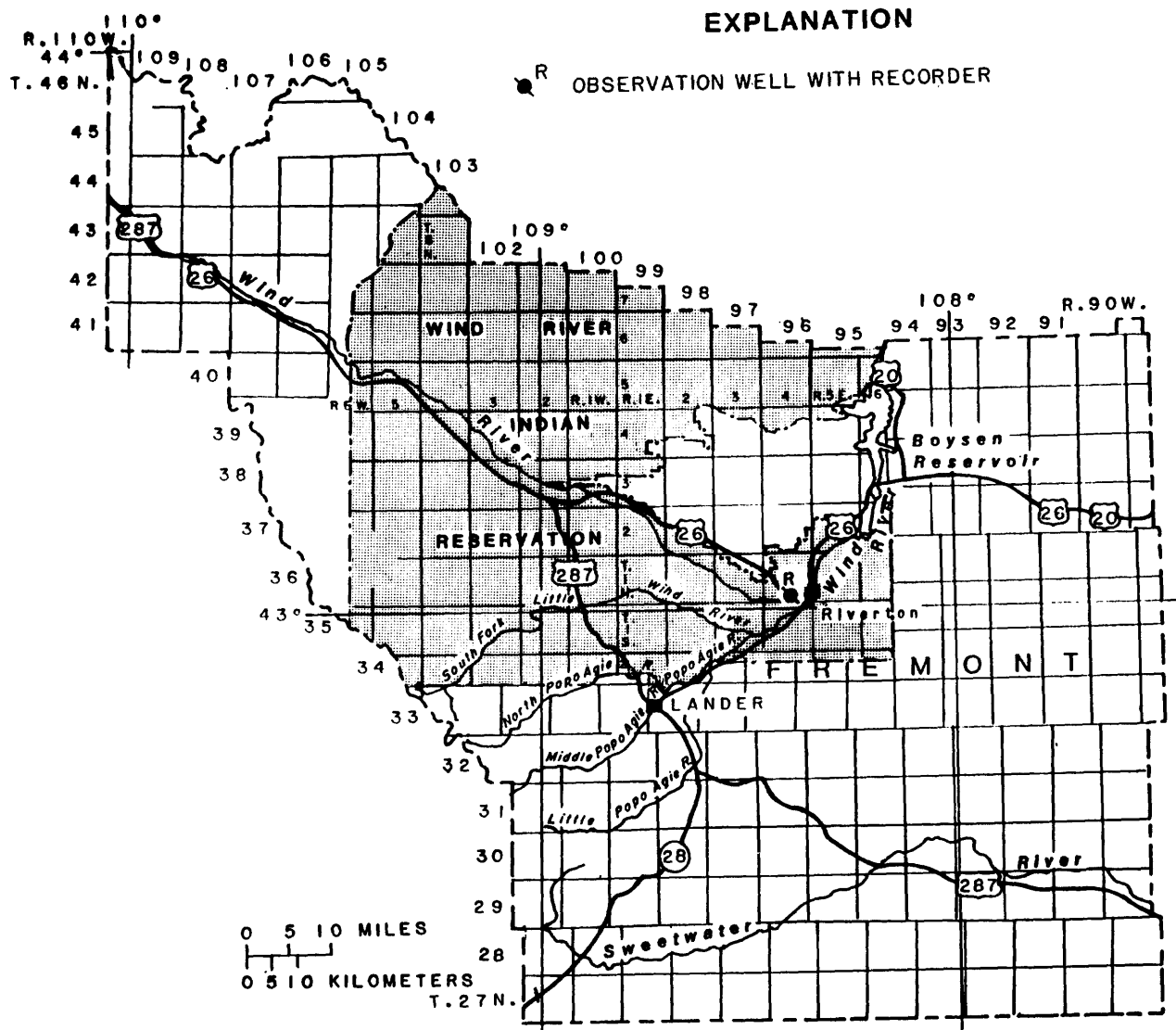


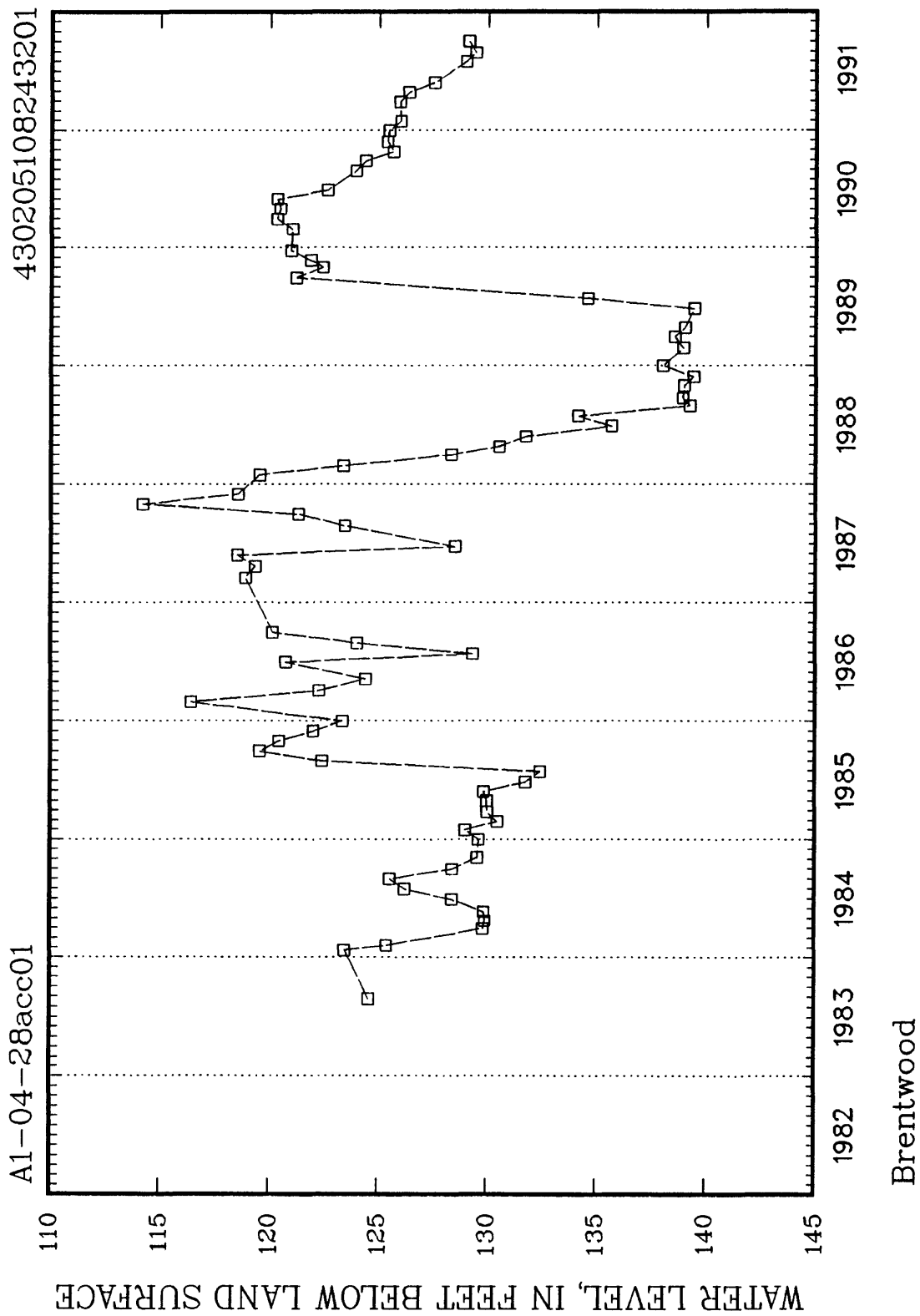
Figure 8.--Location of observation well in Fremont County, Wyoming.

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

Well number	Well depth (feet)	Use of water	Principal geologic source	Record available (year)	Water levels		
					Highest Level (feet)	Month-year	Lowest Level (feet)
A1-04-28acc01	440	U	124WDRV	1983-91	1114.22	10-87	1139.45 06-89

<sup>1</sup> From hand-measured data.

# FREMONT COUNTY



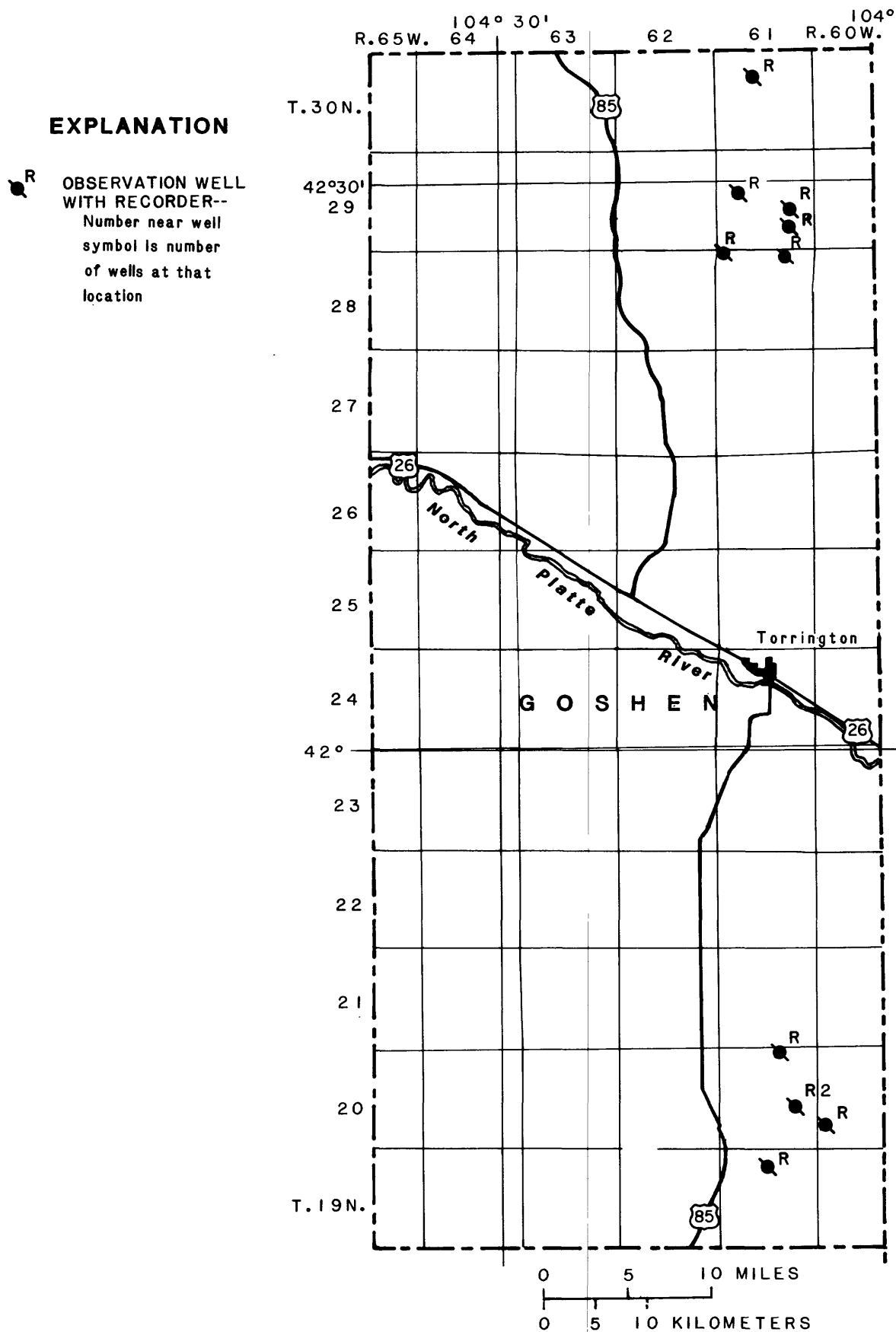


Figure 9.--Location of observation wells in Goshen County, Wyoming.

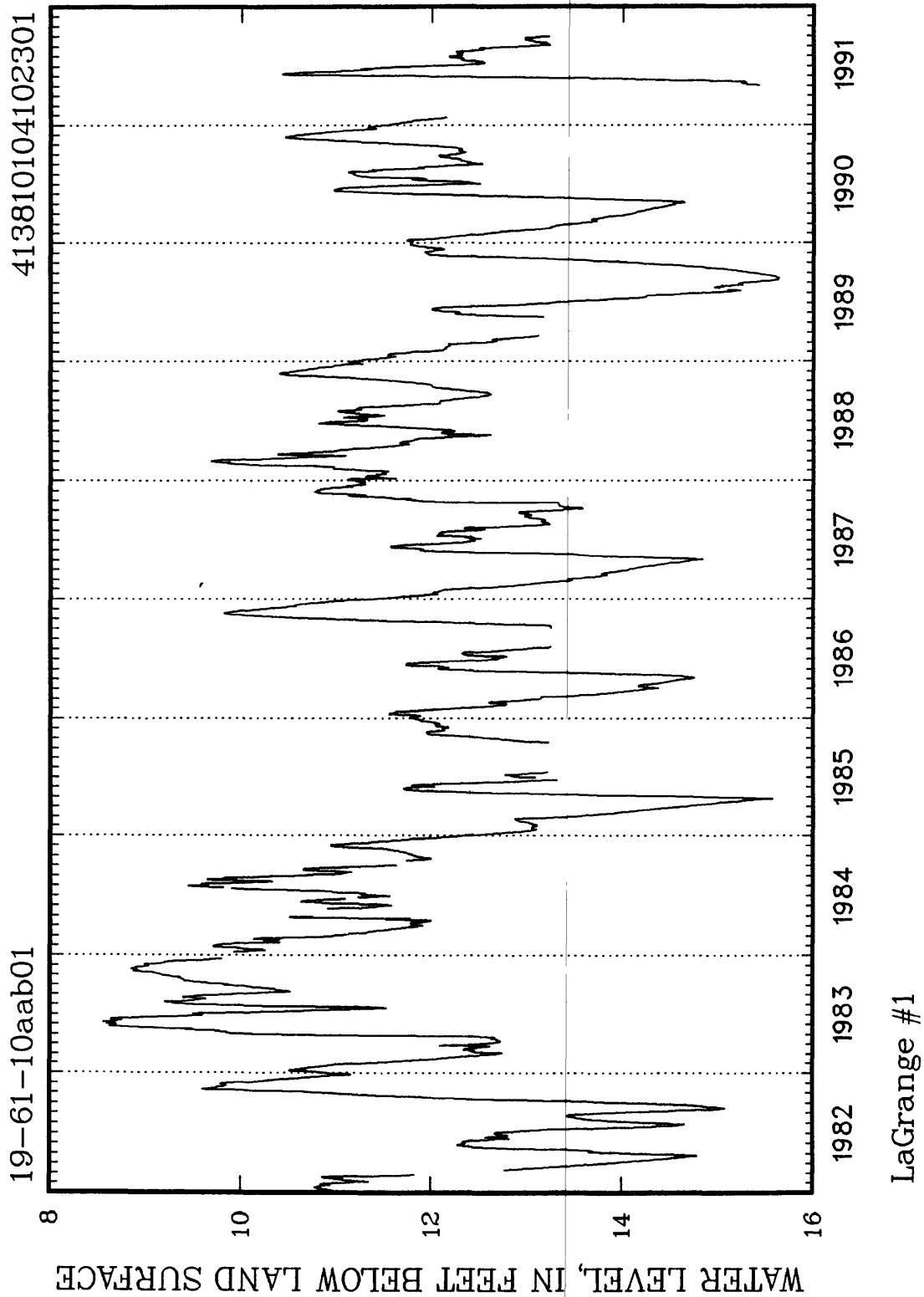


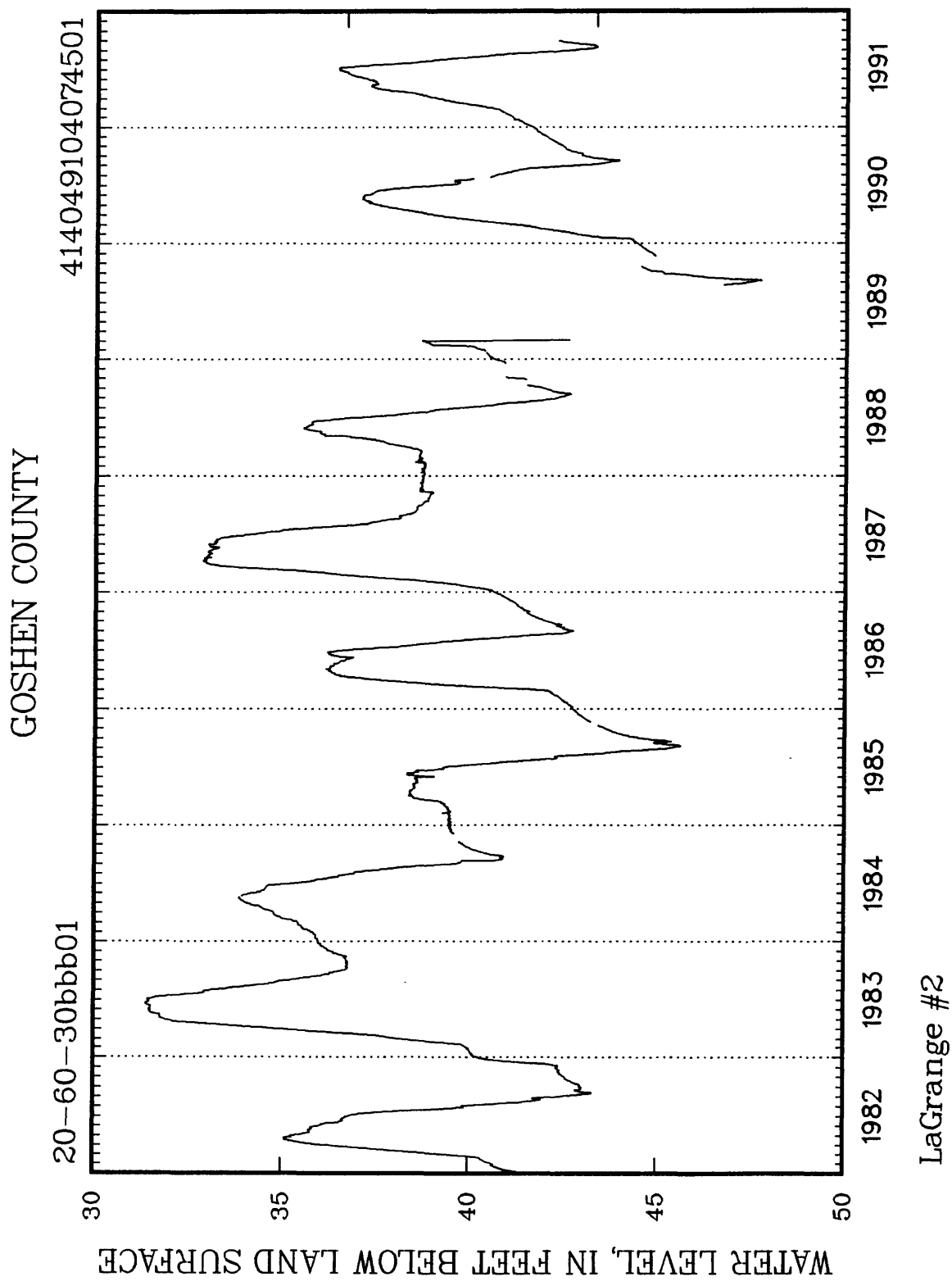
Records of observation wells in Goshen County, Wyoming, and highest and lowest recorded water levels, in feet below land surface.

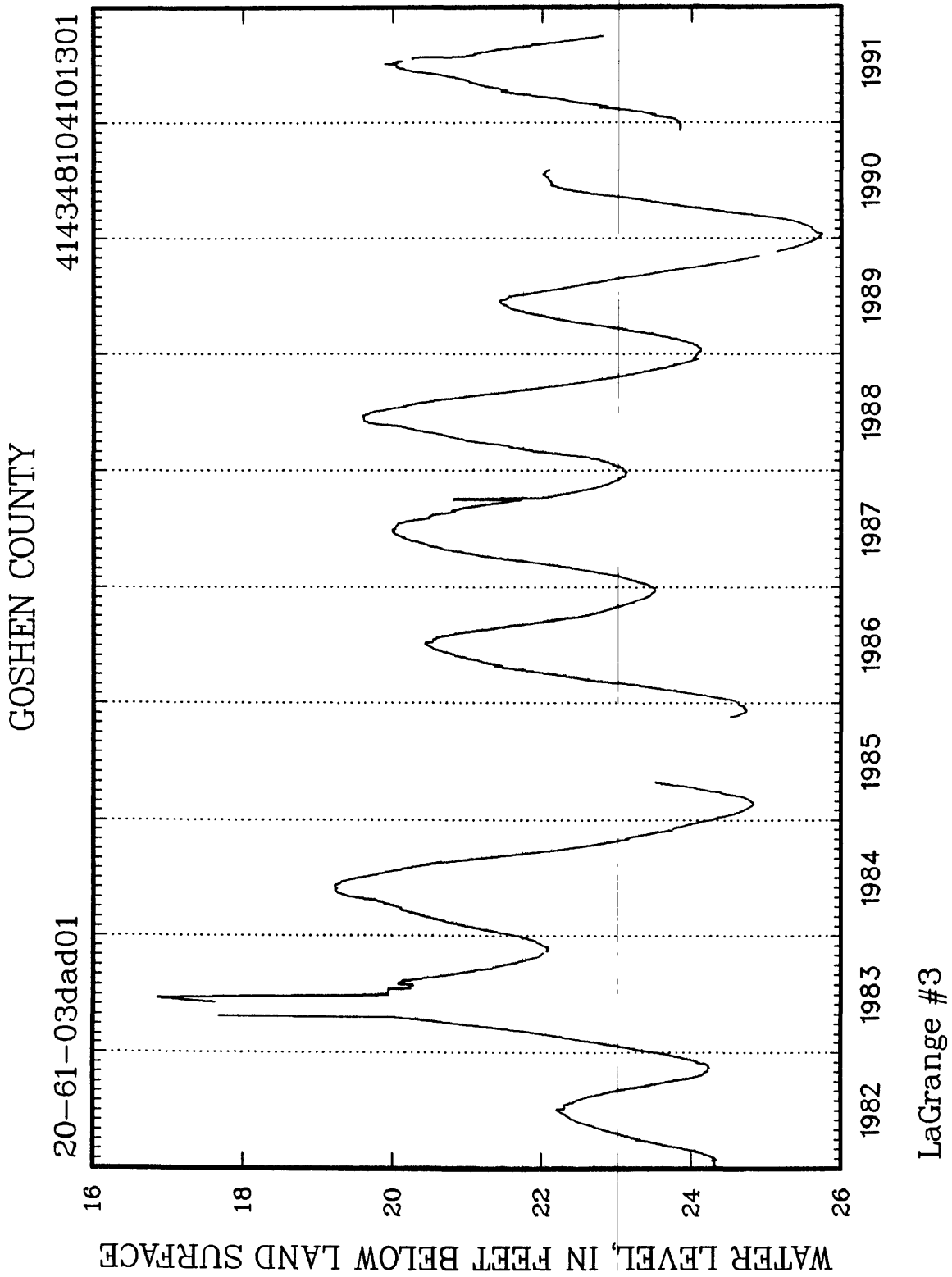
Well number	Well depth (feet)	Use of water	Principal geologic source	Record available (year)	Water levels			
					Highest		Lowest	
					Level (feet)	Month-year	Level (feet)	Month-year
19-61-10aab01	200	U	123BRUL	1980-91	8.56	06-83	15.64	09-89
20-60-30bbb01	70	U	123BRUL	1978-91	31.40	06-83	161.25	07-78
20-61-03dad01	100	U	123WRVR	1980-91	16.85	06-83	25.74	01-90
20-61-23bdb02	70	U	123BRUL	1978-91	2.10	04-84	126.74	09-78
20-61-23ccc01	82	U	111ALVM	1972-91	9.89	05-87	132.59	09-78
28-61-02ccd01	255	U	122ARKR	1986-91	161.31	05-86	165.07	09-91
28-61-06aba01	220	U	122ARKR	1979-91	127.23	05-79	134.52	09-91
29-61-17aad01	220	U	122ARKR	1980-91	124.50	01-81	127.74	03-91
29-61-23abb01	300	U	122ARKR	1979-91	198.29	06-87	212.96	09-91
29-61-26cbb01	200	U	122ARKR	1980-91	131.89	05-81	136.44	09-91
30-61-09bbb01	220	U	122ARKR	1981-91	80.61	05-81	85.79	11-90

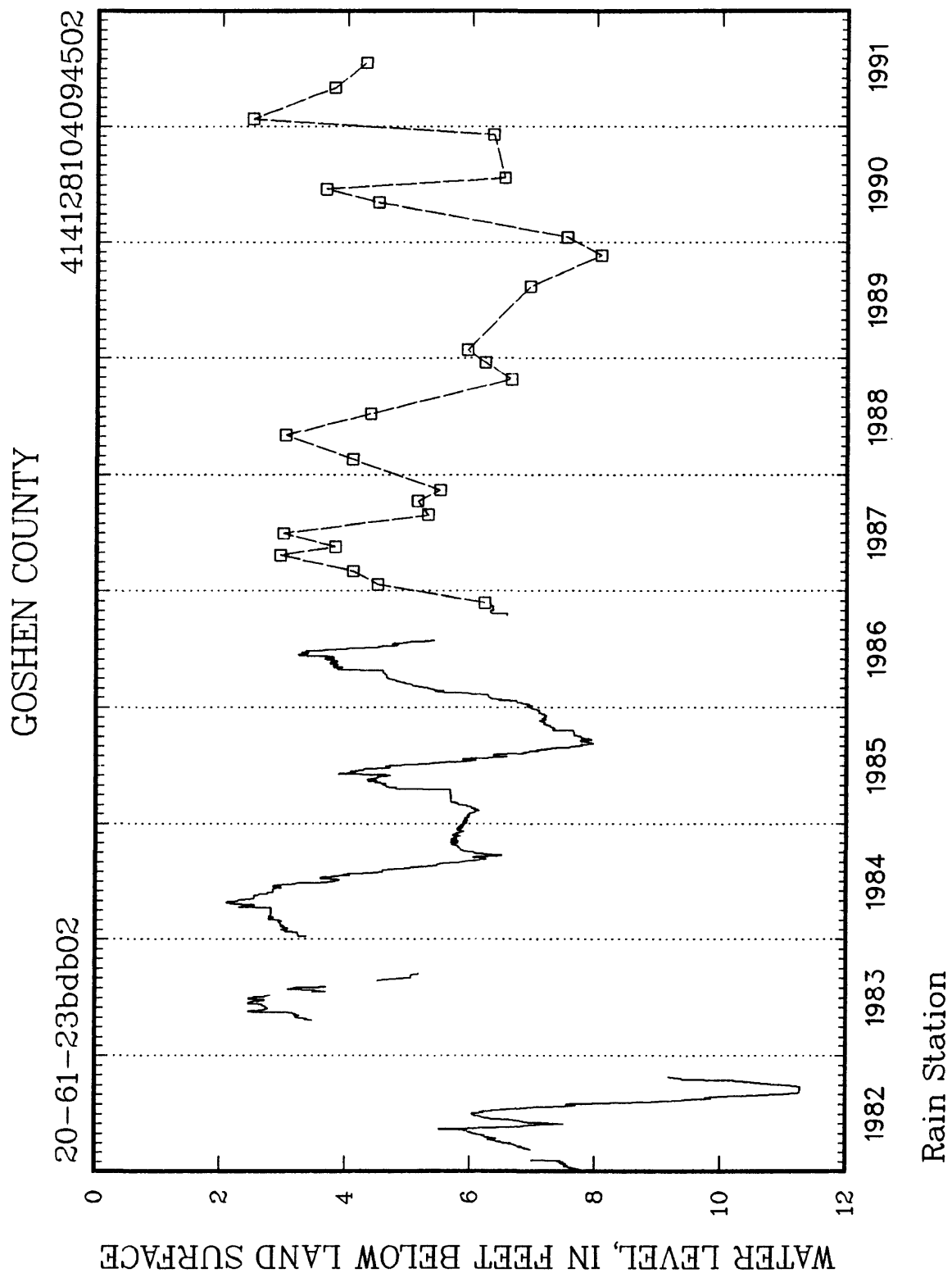
<sup>1</sup> From hand-measured data.

GOSHEN COUNTY

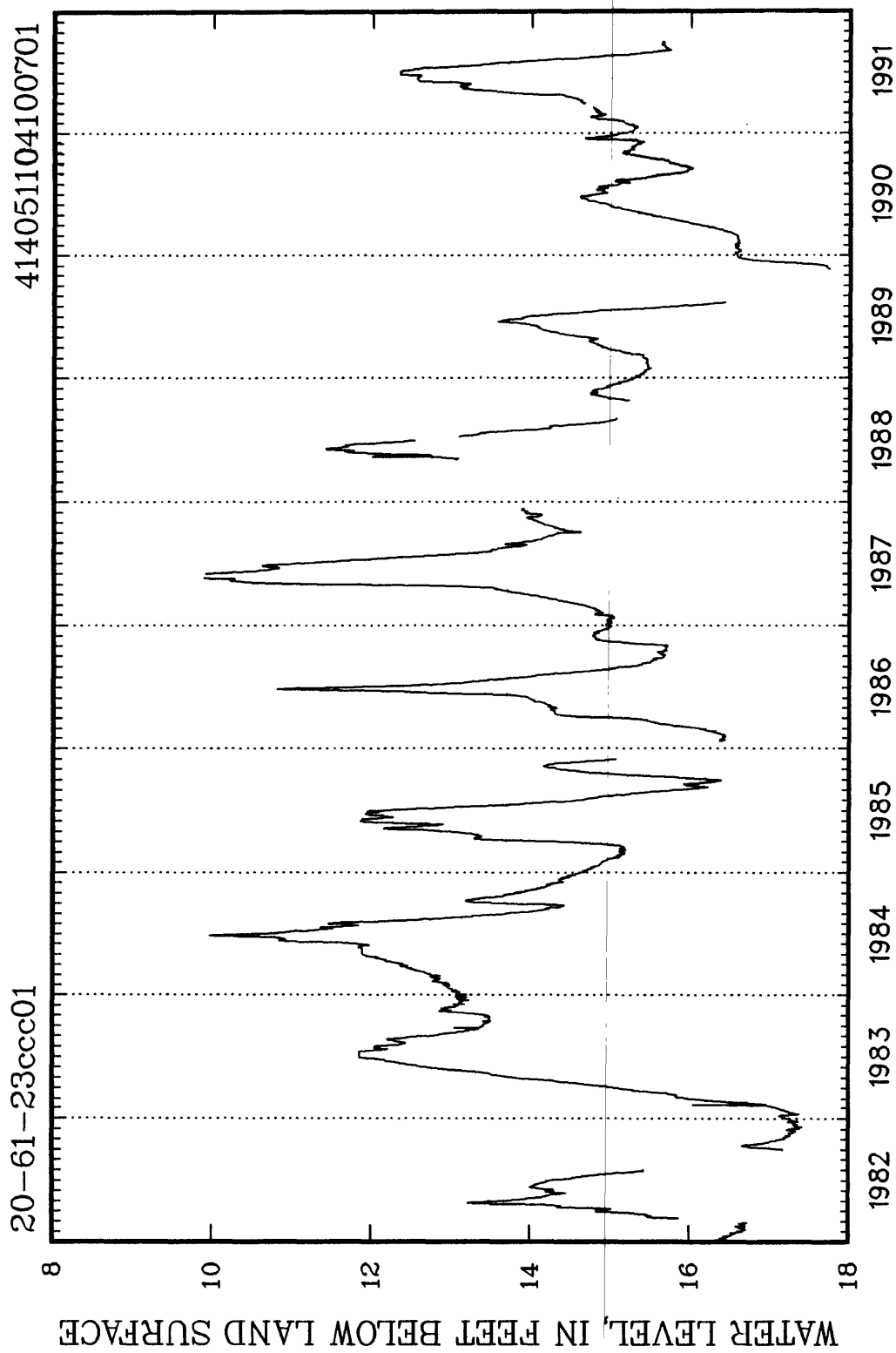




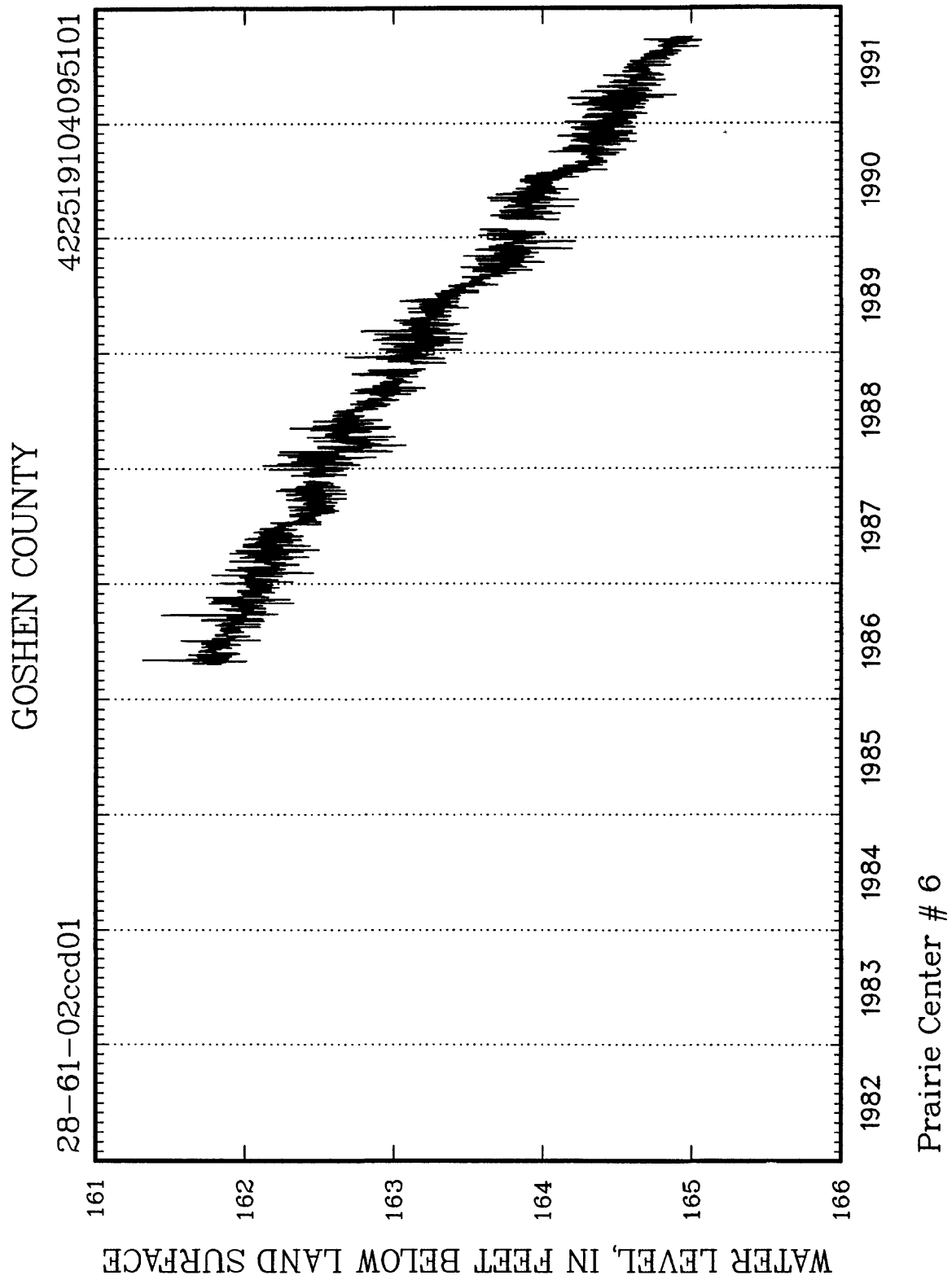


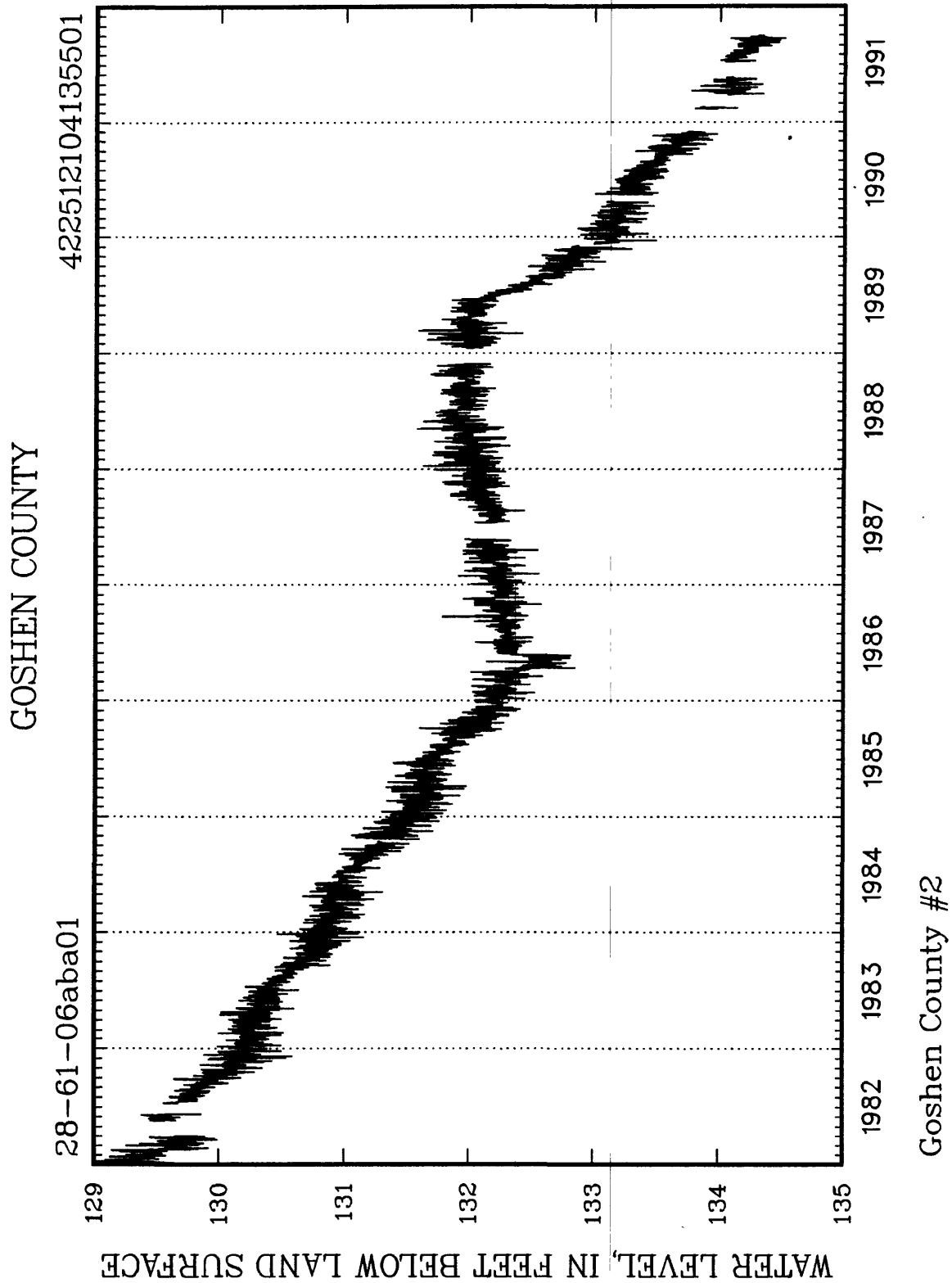


GOSHEN COUNTY

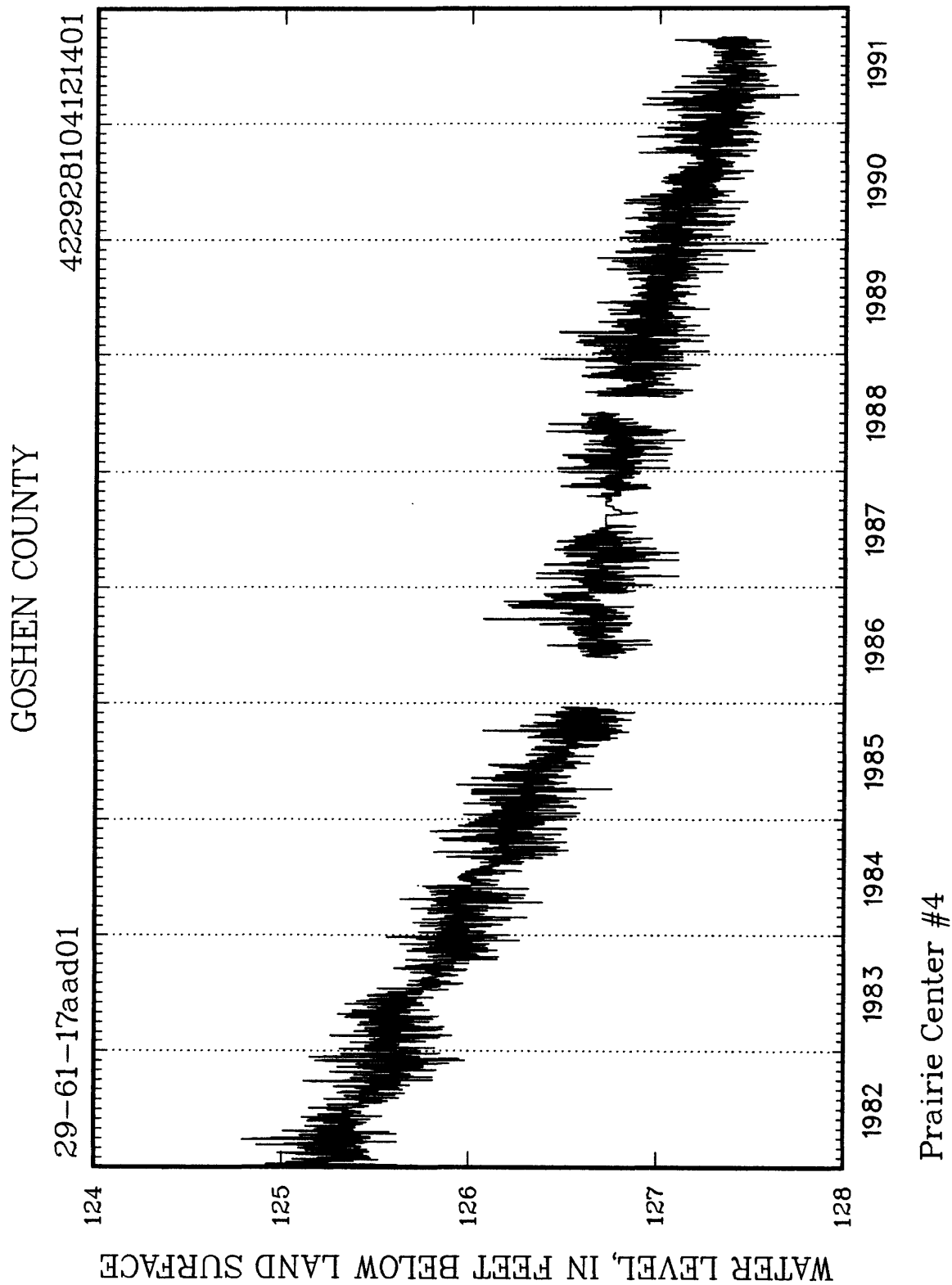


Curt Meier

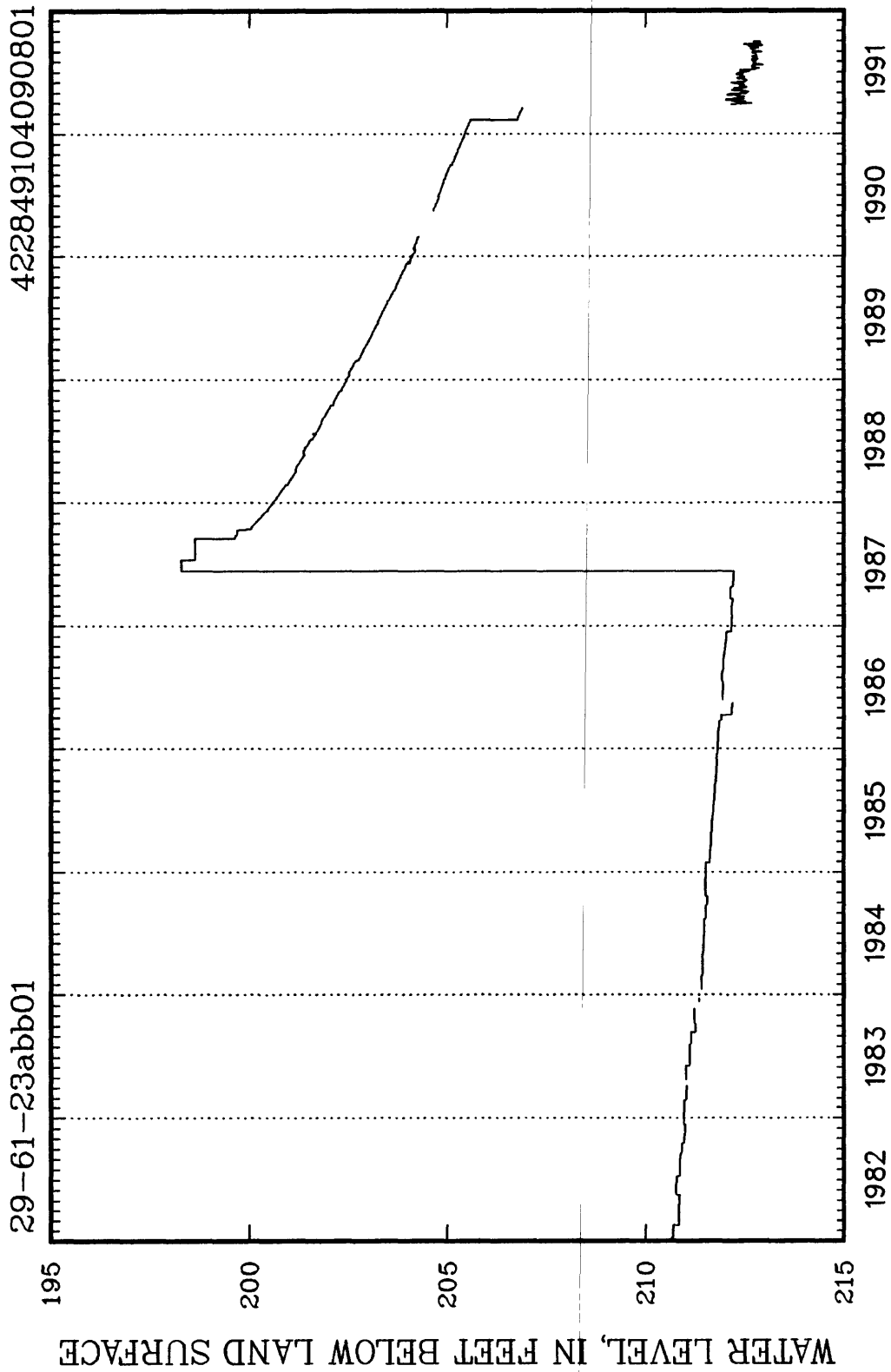




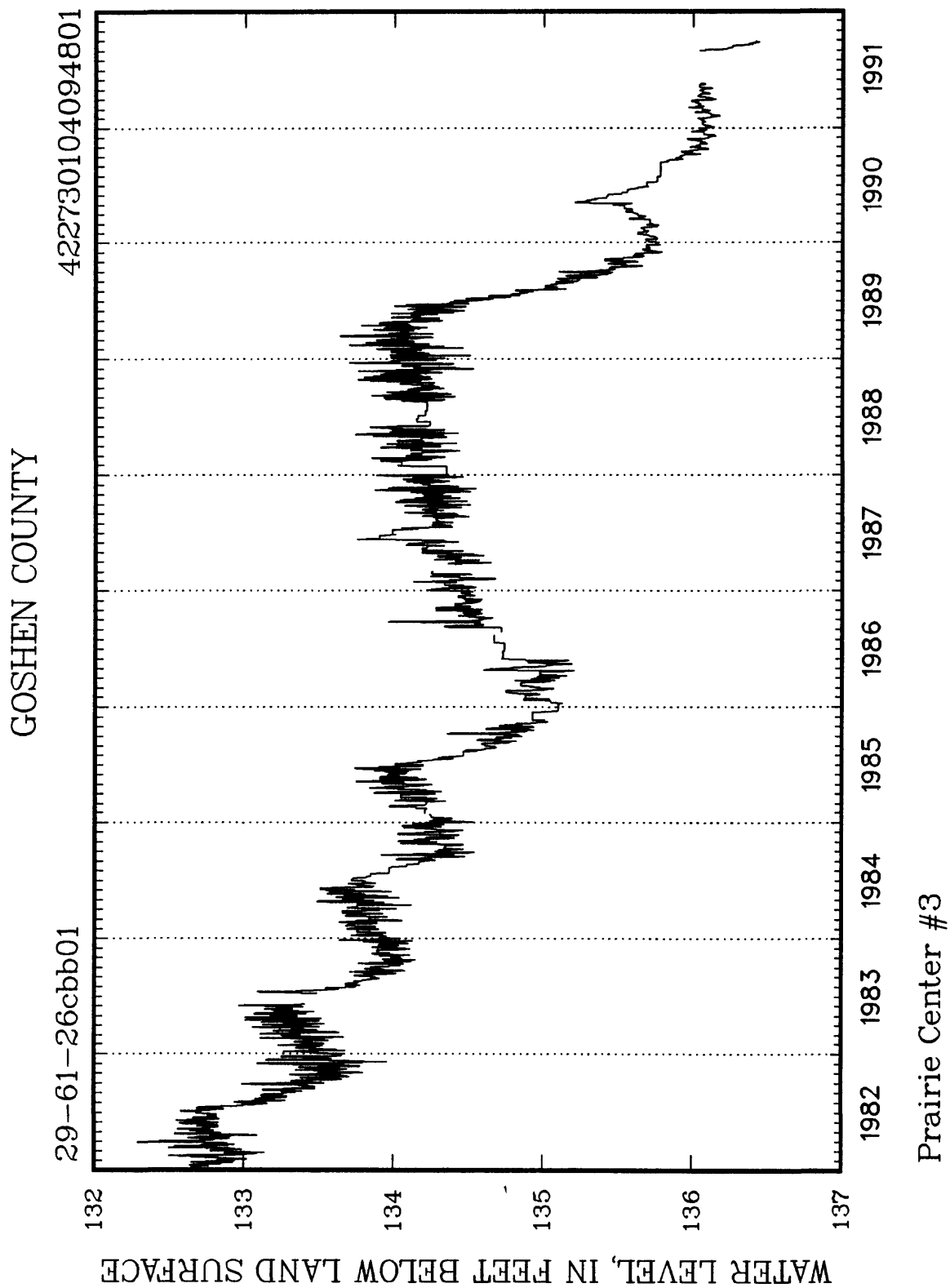




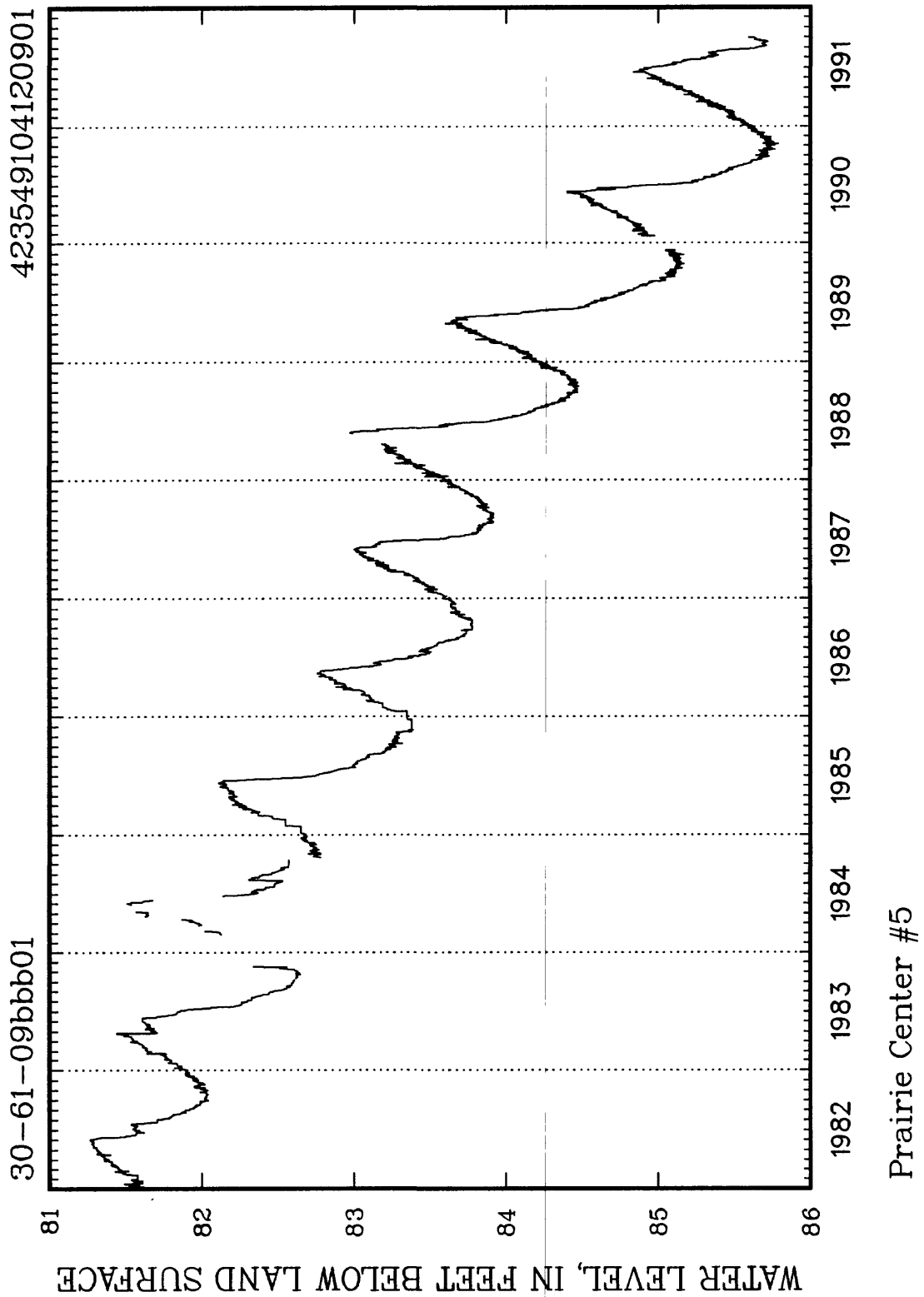
# GOSHEN COUNTY



Goshen County #1  
 Slug test in June 1987. Record questionable prior to March 1991.  
 Data affected by poor hydraulic connection between aquifer and well.



GOSHEN COUNTY



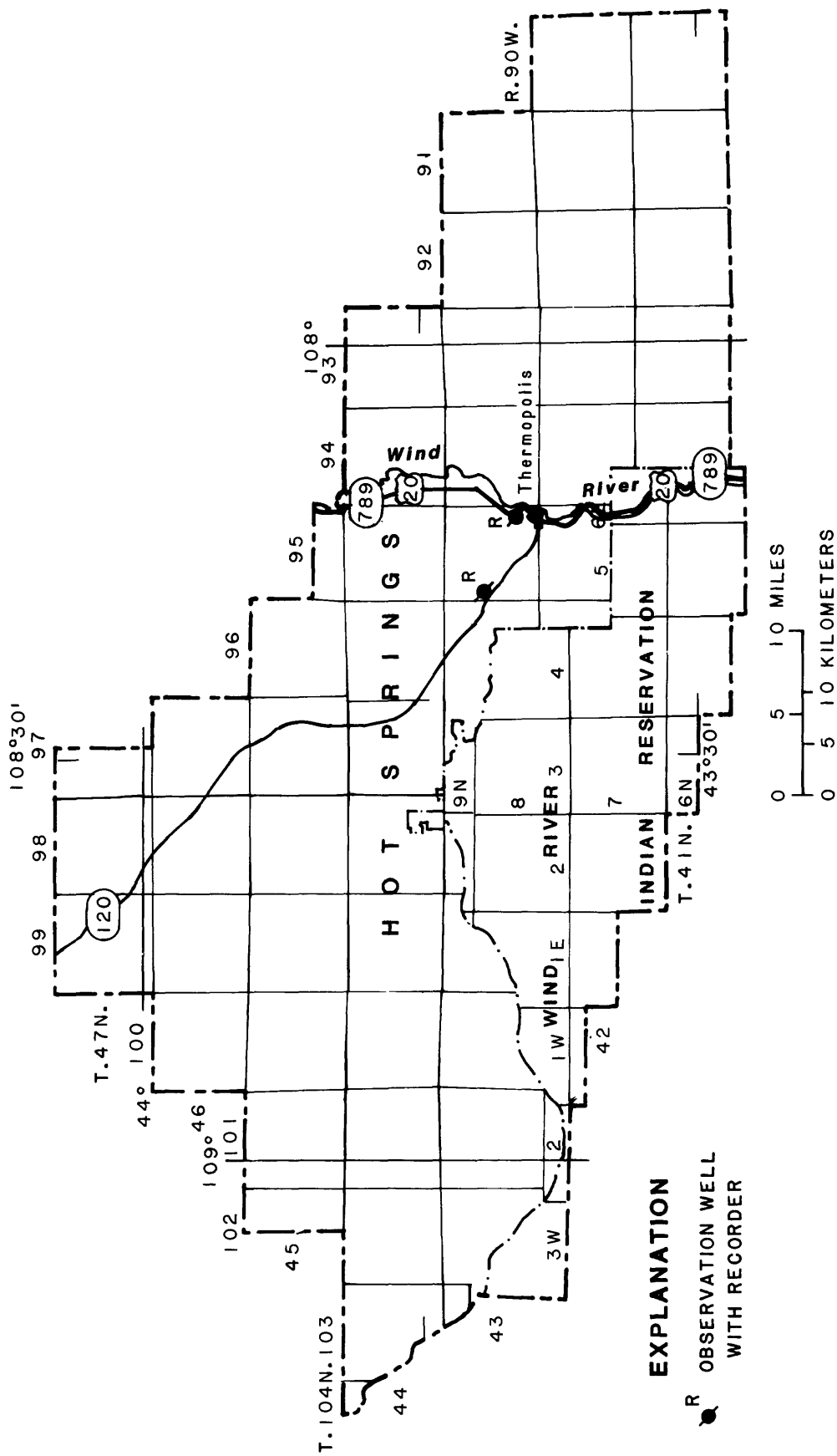
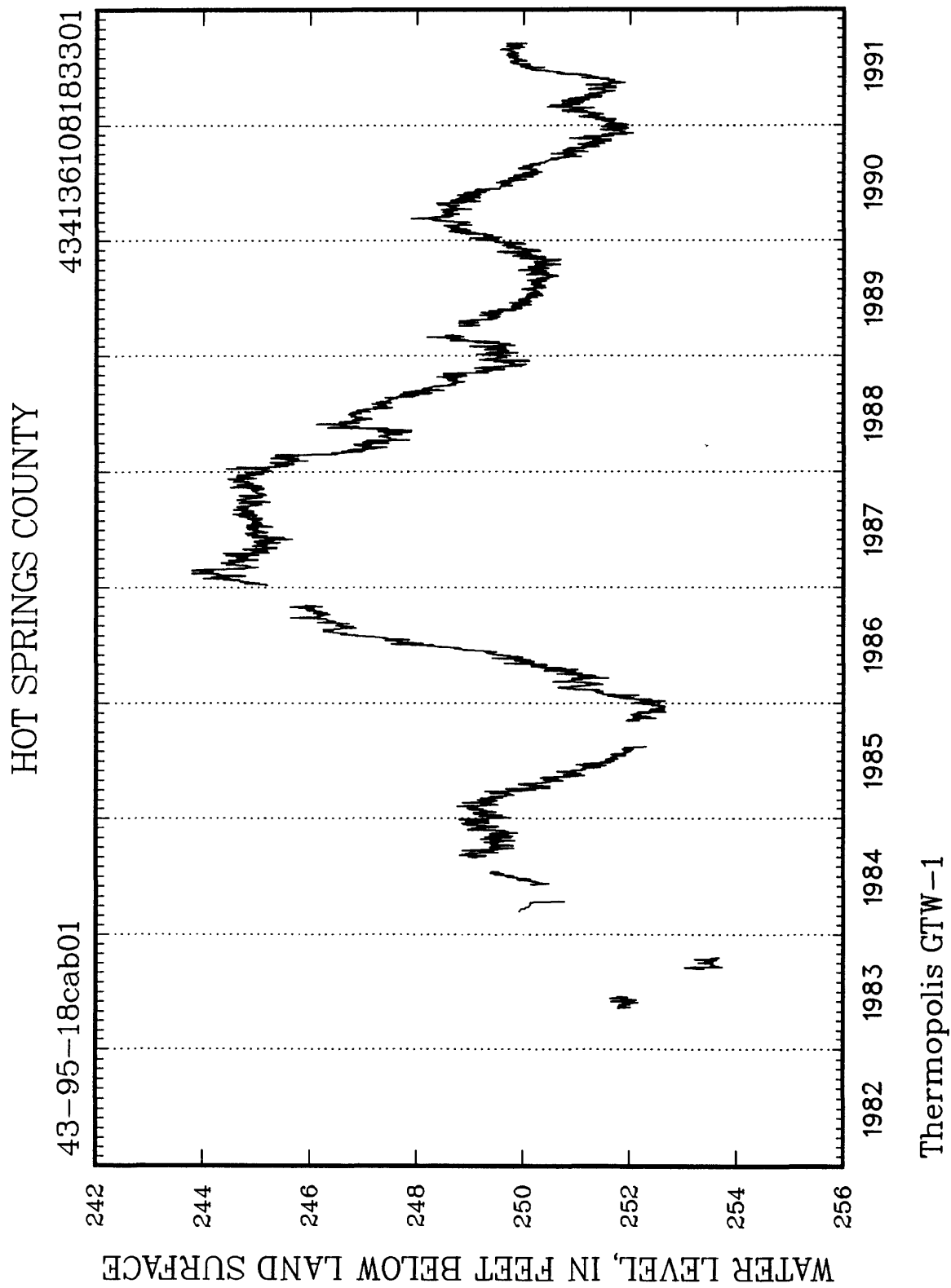


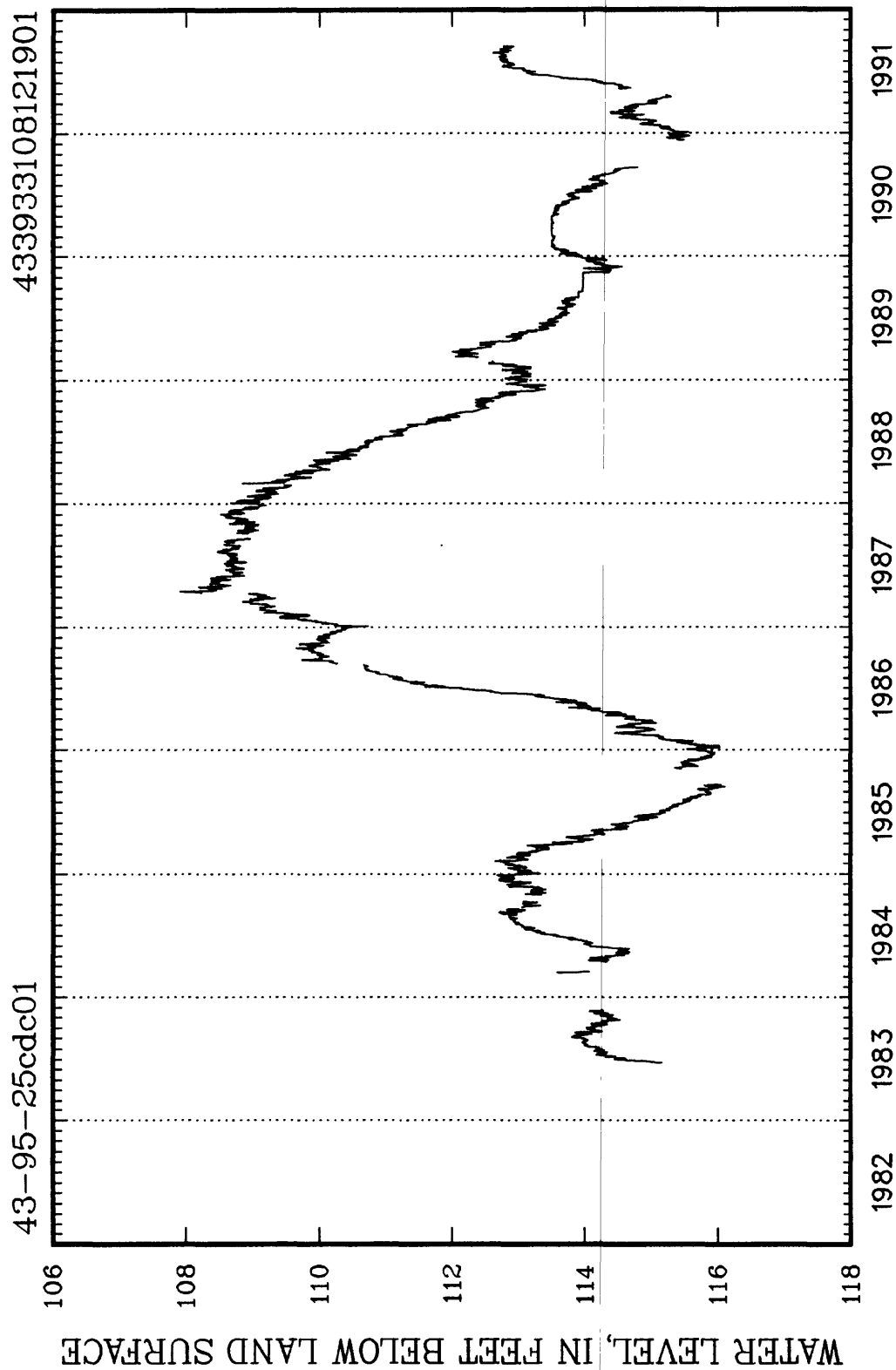
Figure 10.--Location of observation wells in Hot Springs County, Wyoming.

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 (feet)	Use of water	Principal geologic source	Record available (year)	Water levels			
					Highest Level (feet)	Month-year	Lowest Level (feet)	Month-year
43-95-18cab01	354	U	317TSLP	1983-91	243.79	02-87	253.74	09-83
43-95-25cdc01	228	U	311PRKC	1983-91	107.91	04-87	116.11	09-85



HOT SPRINGS COUNTY



Thermopolis GTW-3





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

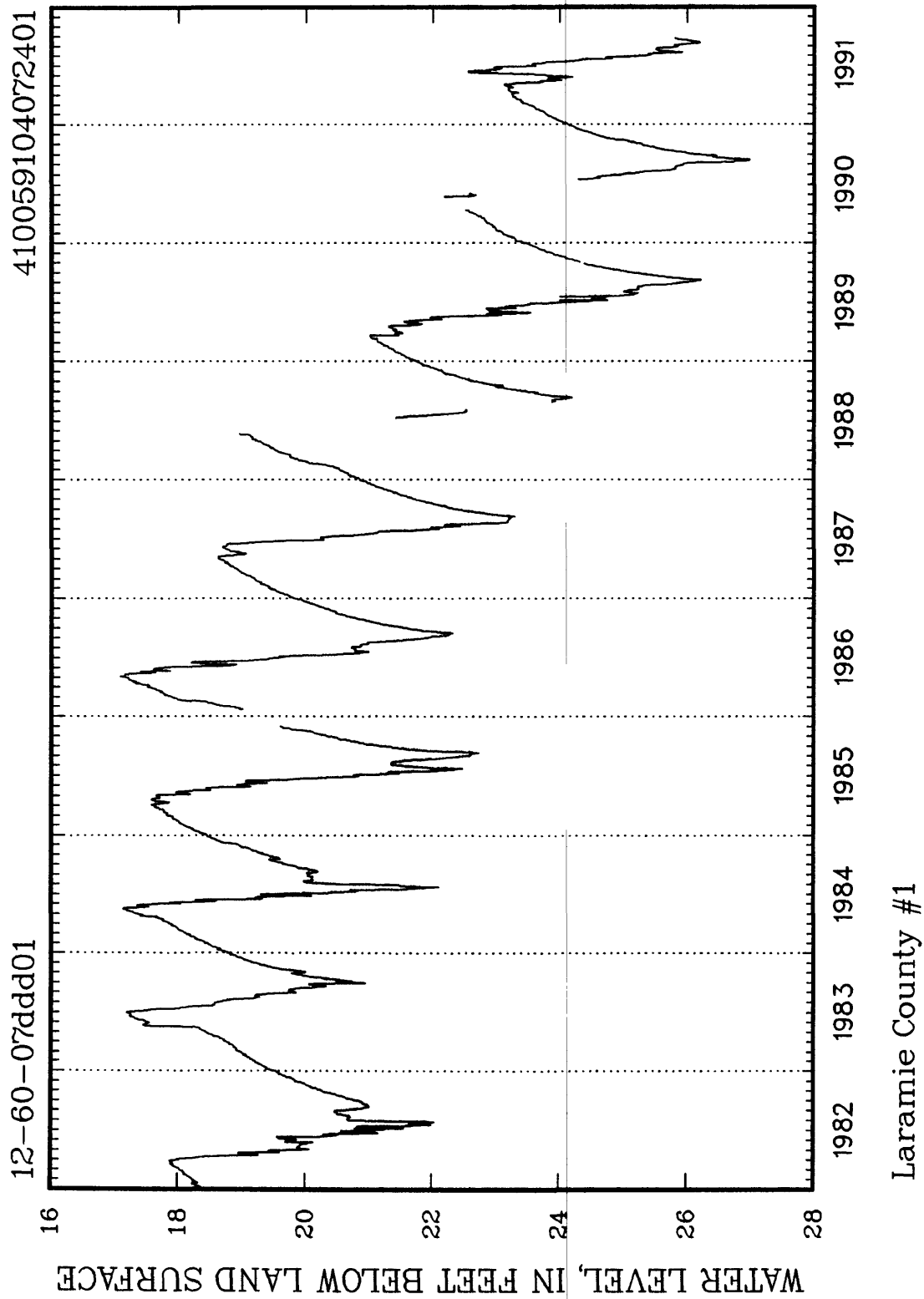
Well number	Well depth (feet)	Use of water	Principal geologic source	Record available (year)	Water levels			
					Highest		Lowest	
					Level (feet)	Month-year	Level (feet)	Month-year
12-60-07ddd01	105	U	123WVR	1978-91	14.90	05-80	26.98	09-90
12-62-13baa01	198	U	111TRRG	1975-91	38.53	05-75	68.92	09-91
12-63-15aaa02	110	U	123BRUL	1971-91	14.11	04-74	46.86	09-78
13-60-05ccb01	100	U	123BRUL	1969-91	34.18	05-84	63.52	10-79
13-66-32bbd01	160	U	121OGLL	1986-91	144.65	09-91	47.95	07-88
13-68-13ccc01	--	U	121OGLL	1942-50, 1969-91	36.78	03-45	87.89	07-83
14-60-05bcb01	98	U	123BRUL	1957-91	28.96	04-85	56.62	07-77
14-61-18ddd01	90	--	123WVR	1977-91	9.08	06-84	22.79	10-79
14-63-15aaa01	165	U	122ARKR	1977-91	45.48	06-80	149.49	09-91
14-64-19bcc01	180	--	121OGLL	1977-91	1157.08	02-91	1165.33	05-91
14-66-07add01	350	U	121OGLL	1984-91	81.71	03-91	100.27	07-89
14-66-10aba01	190	--	121OGLL	1977-91	125.82	02-79	131.81	08-91
14-66-23ddd01	216	U	121OGLL	1986-91	1140.35	07-90	141.40	04-86
14-67-12abb01	220	U	121OGLL	1984-91	93.62	03-89	114.04	07-89
14-67-18ddc01	229	U	121OGLL	1956-91	12.48	09-57	48.25	08-78
14-67-27bac01	140	U	121OGLL	1986-91	20.71	04-86	123.91	08-89
14-67-34bbc01	162	U	121OGLL	1986-91	7.72	04-86	12.28	07-87
14-68-35ddc02	230	U	121OGLL	1969-91	93.98	02-91	113.26	09-81
15-62-20aaa01	165	--	121OGLL	1977-91	96.03	05-89	1100.03	05-91
15-66-10bab01	210	--	121OGLL	1977-91	58.60	11-88	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.

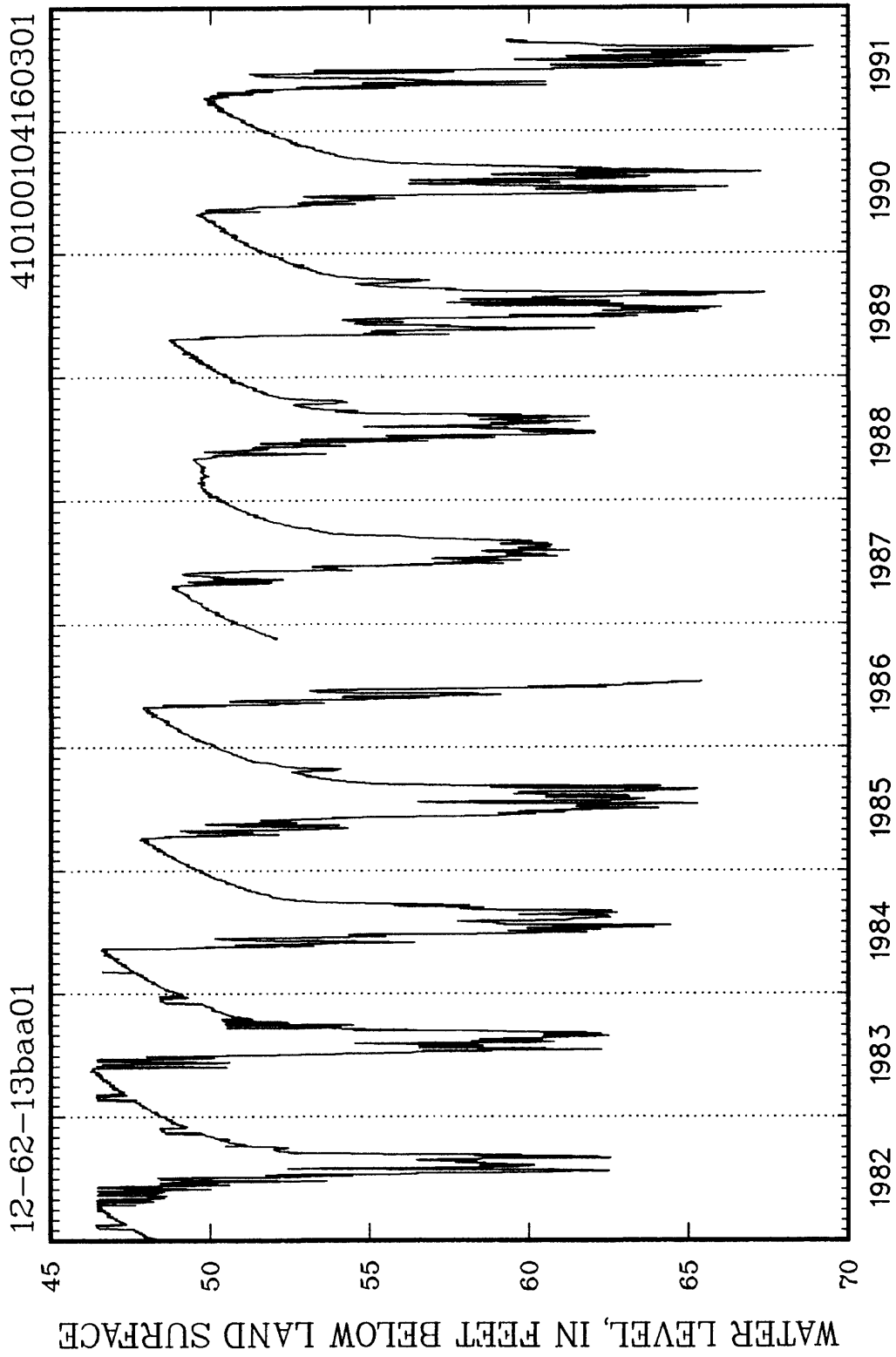
Well number	Well depth (feet)	Use of water	Principal geologic source	Record available (year)	Water levels			
					Highest Level (feet)	Highest Month-year	Lowest Level (feet)	Lowest Month-year
15-68-27ccc01	300	U	121OGLL	1984-91	165.84	09-86	174.30	01-85
16-60-07bbb02	215	U	121OGLL	1983-91	147.06	05-91	149.55	09-83
16-61-17aaa01	285	--	121OGLL	1977-91	195.15	05-91	201.32	12-77
17-60-33cbb01	275	U	123BRUL	1975-91	177.52	05-75	214.46	01-90
17-62-17ccc01	360	U	121OGLL	1982-91	224.20	09-91	227.03	12-85
17-67-33baa01	200	U	121OGLL	1984-91	132.26	01-85	150.42	03-91

<sup>1</sup> From hand-measured data.

LARAMIE COUNTY

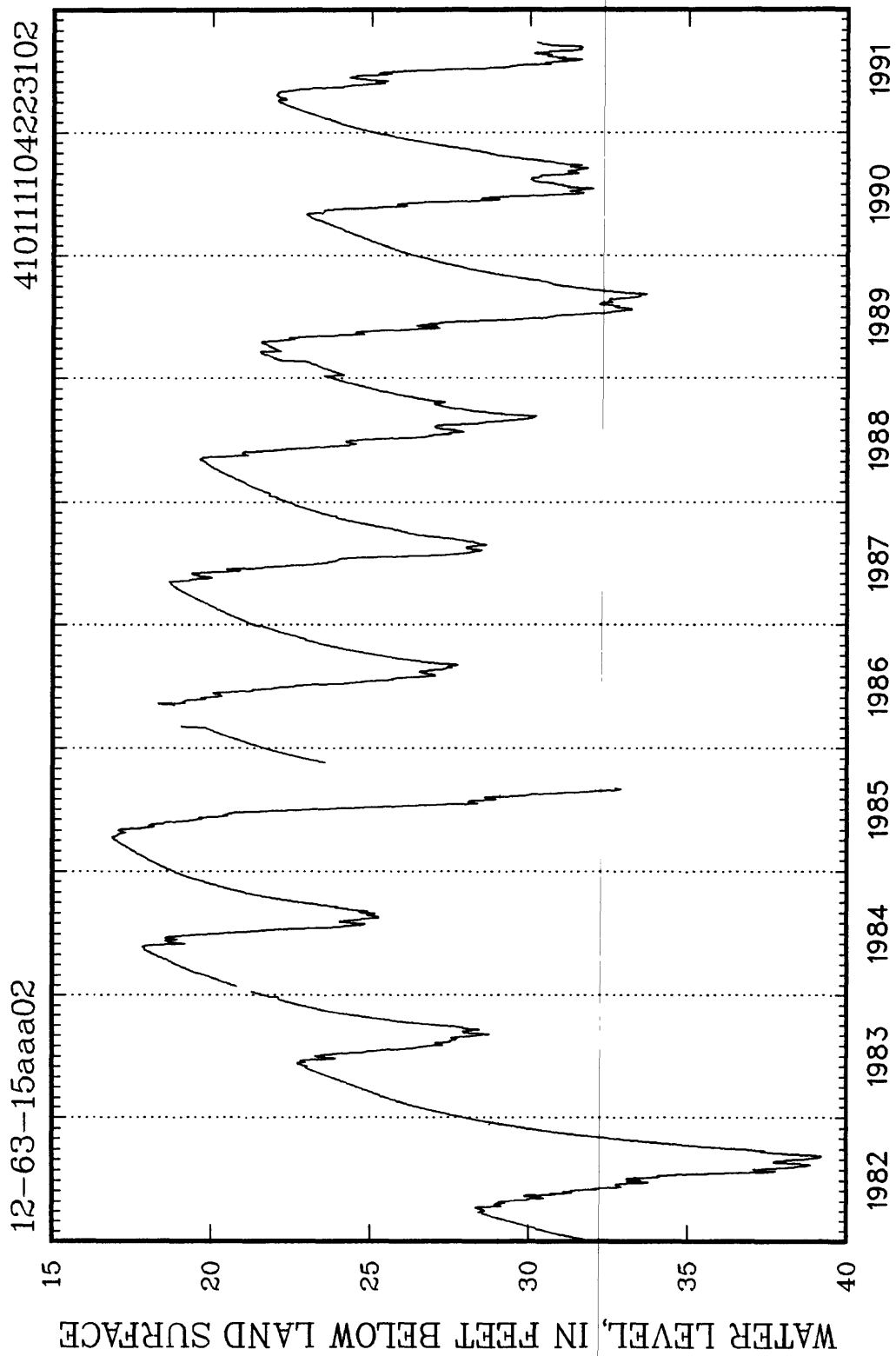


LARAMIE COUNTY



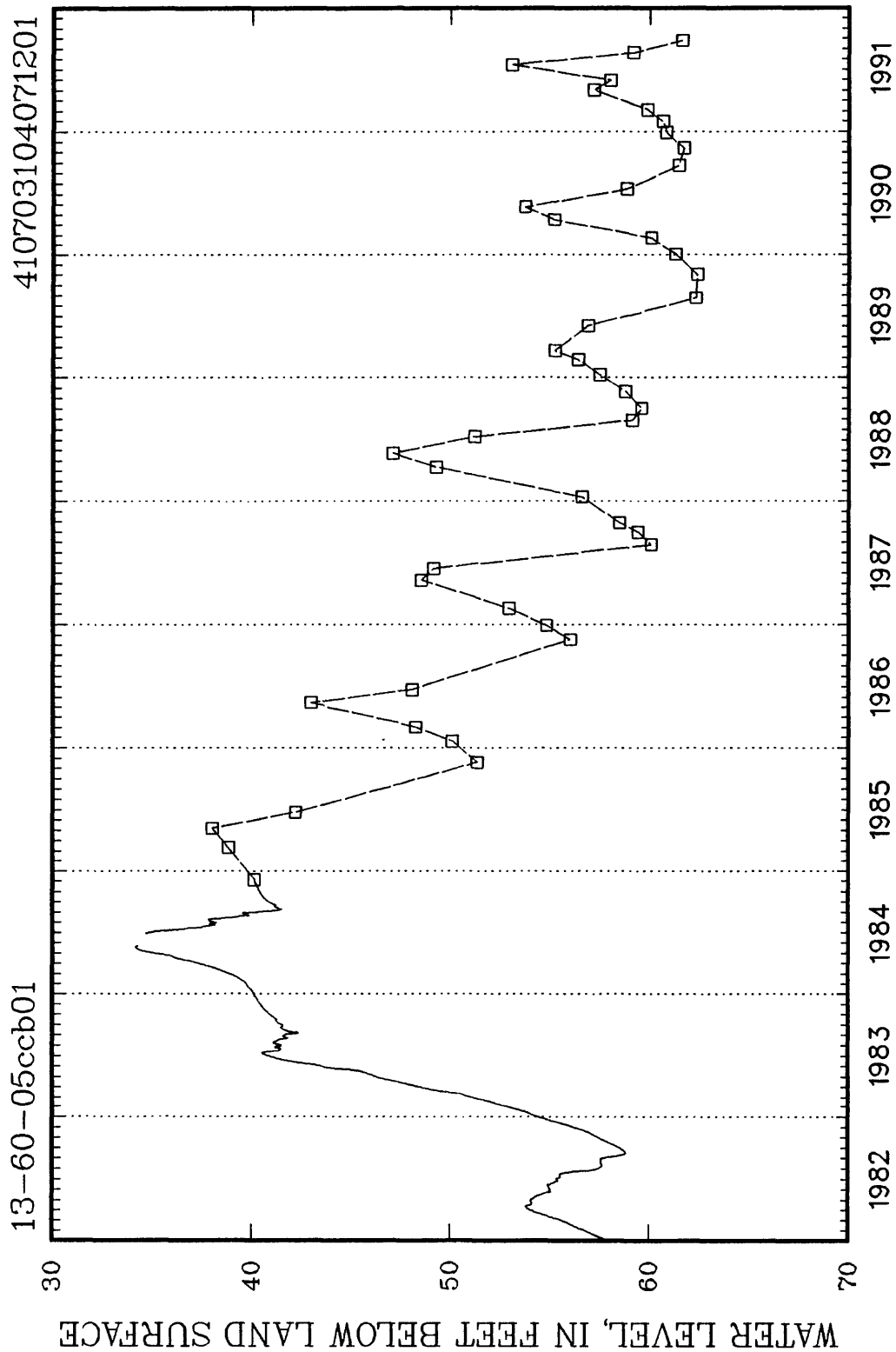
USGS southeast of Carpenter

LARAMIE COUNTY



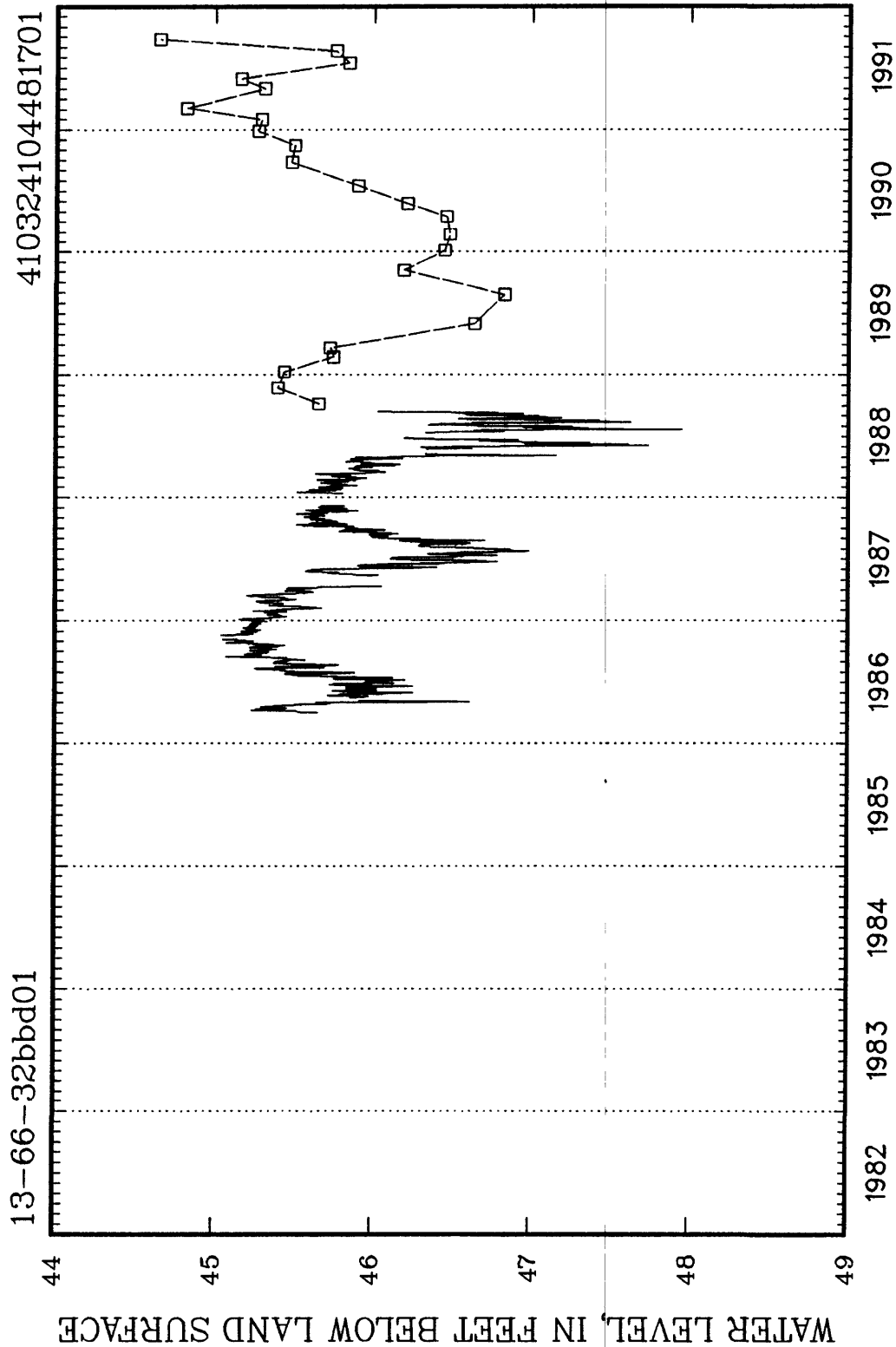
USGS southwest of Carpenter

# LARAMIE COUNTY



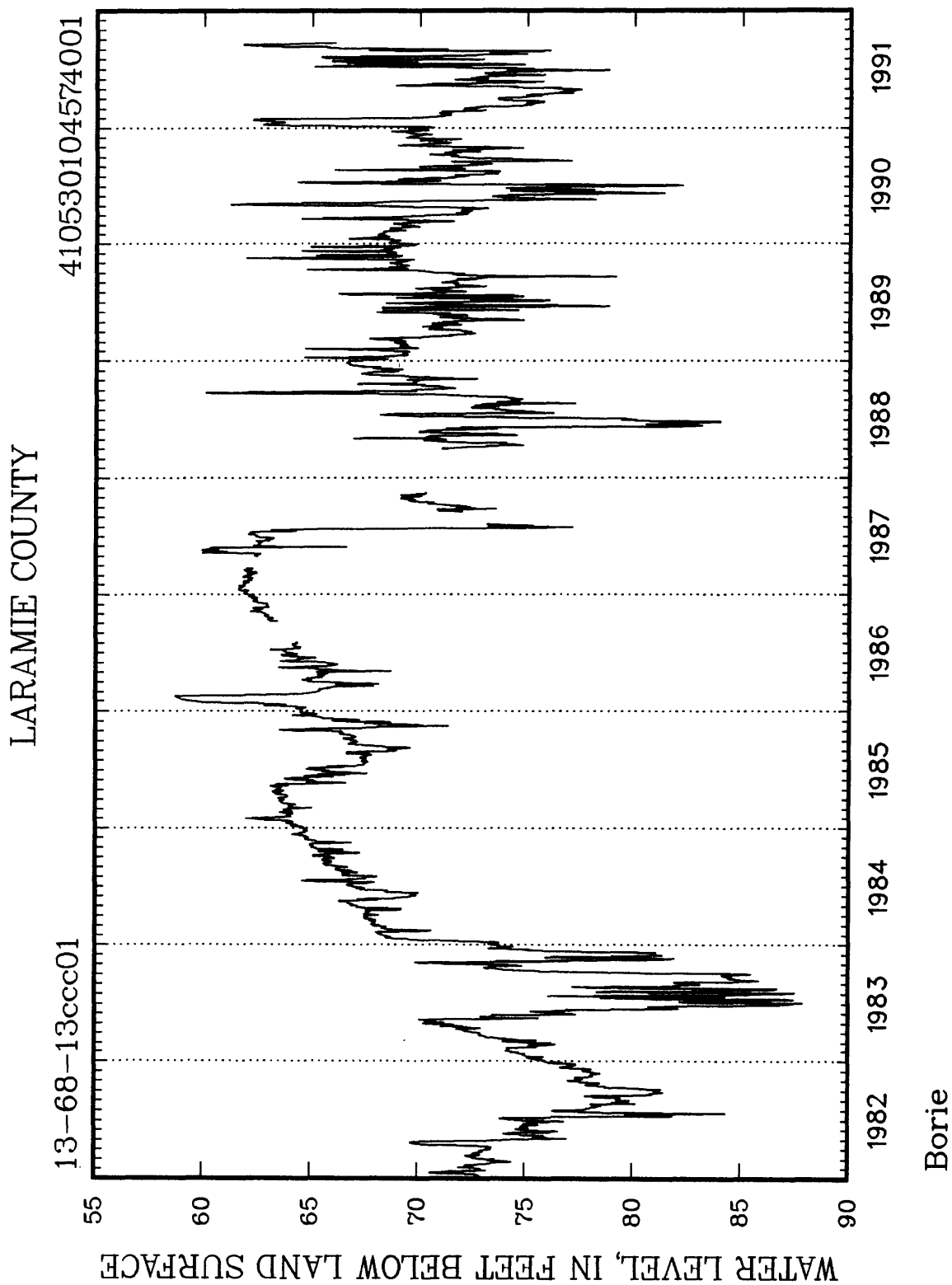
Elmer Glantz

# LARAMIE COUNTY



Laramie County #14

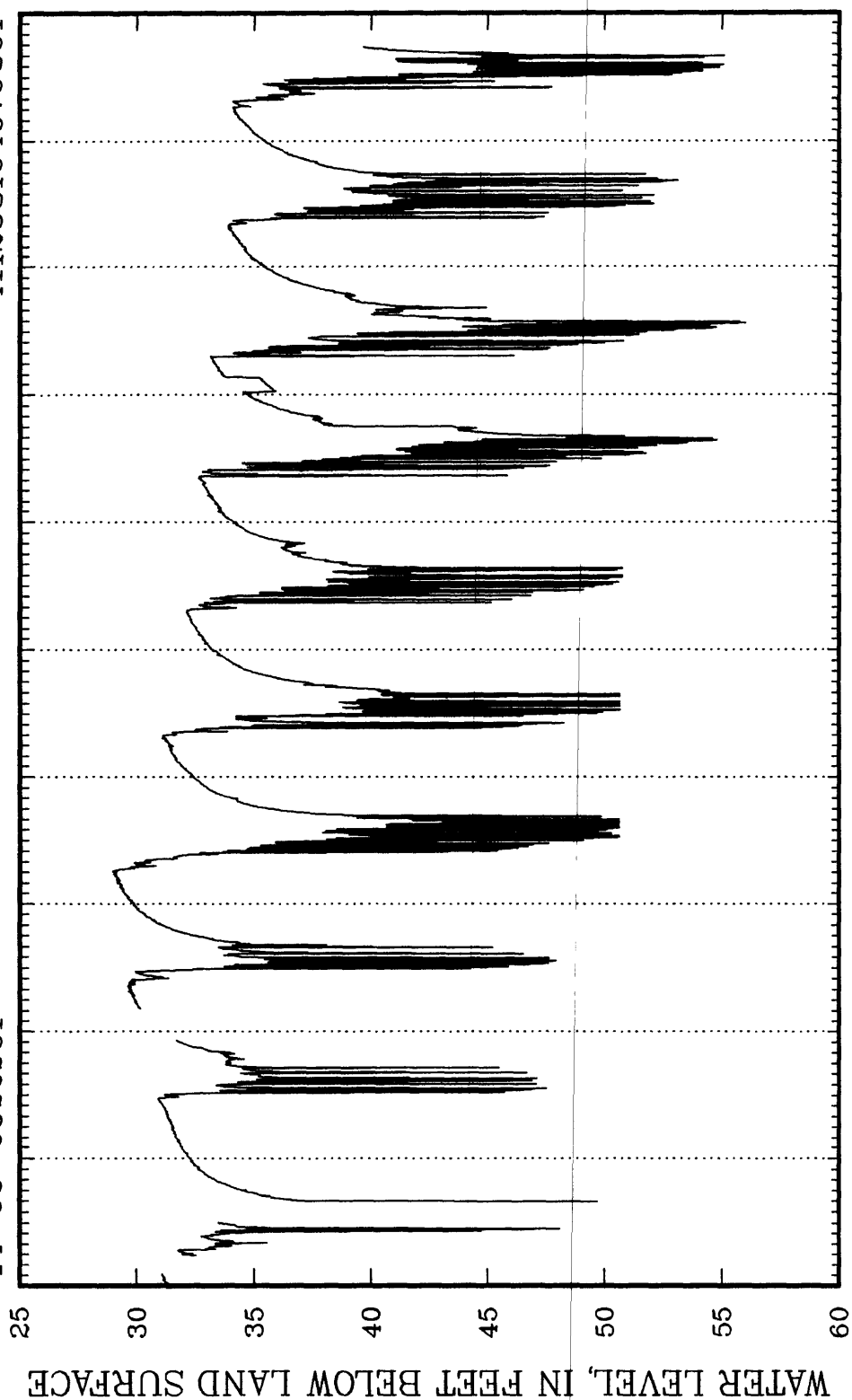




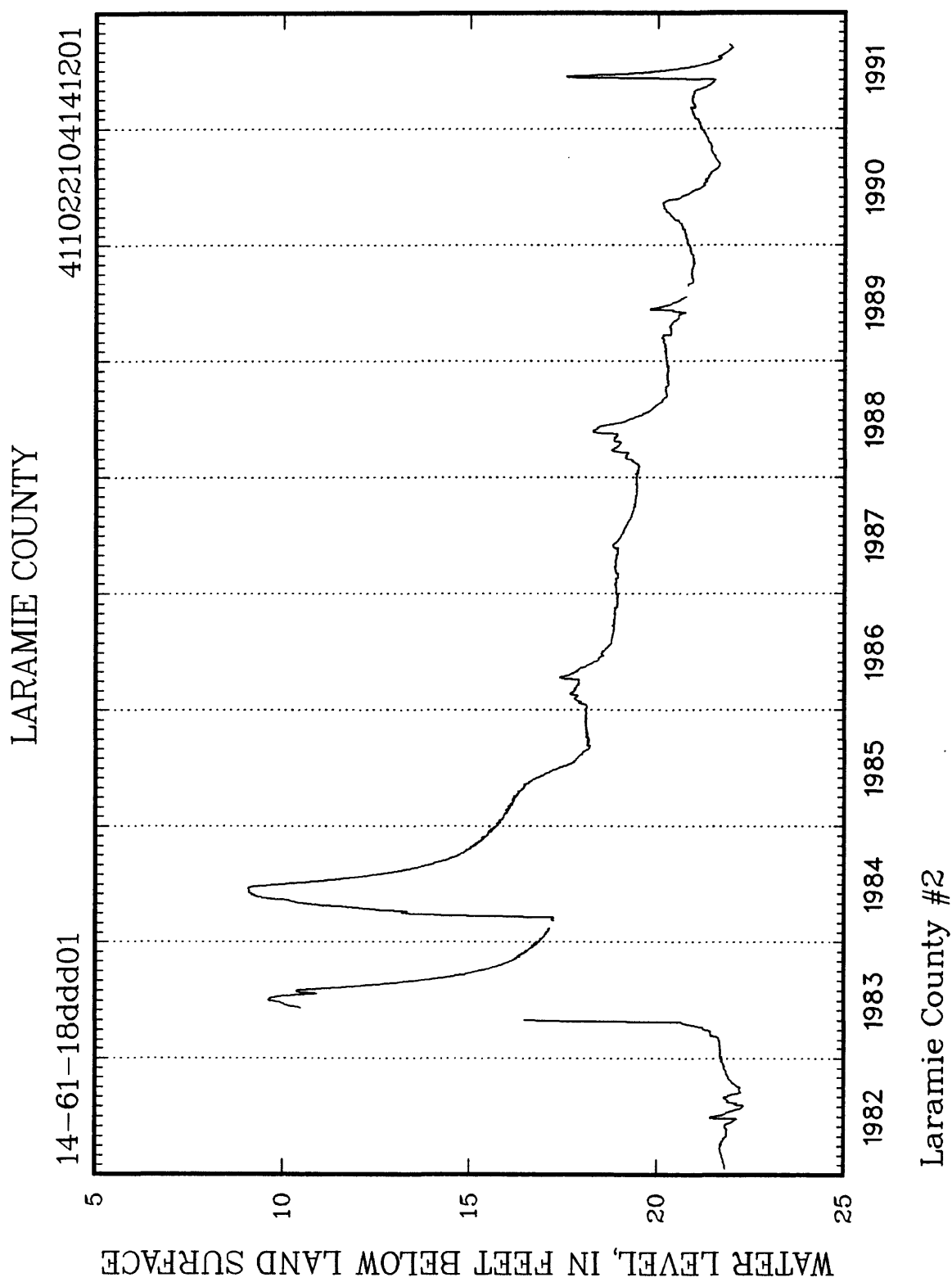
LARAMIE COUNTY

411238104070801

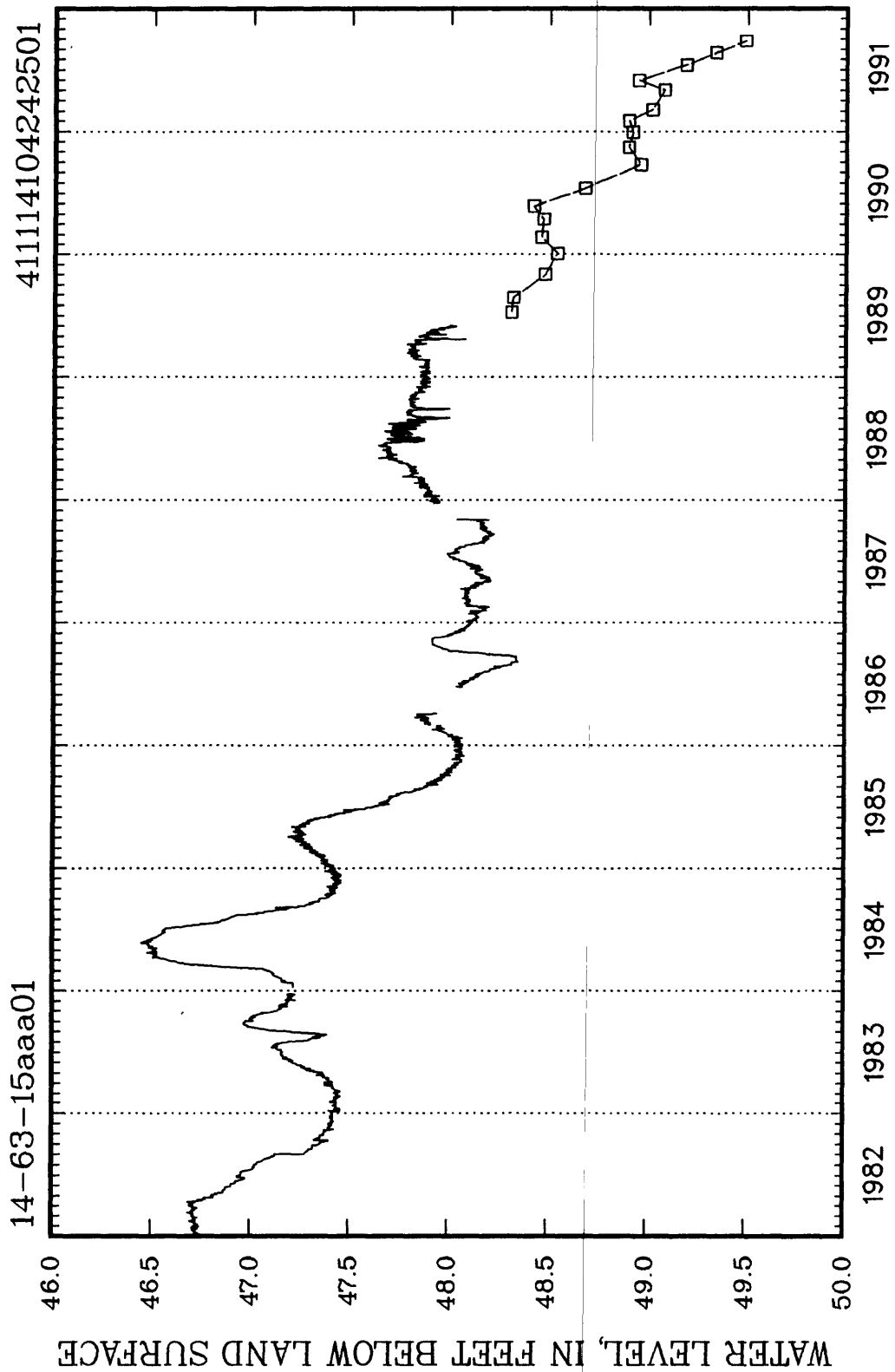
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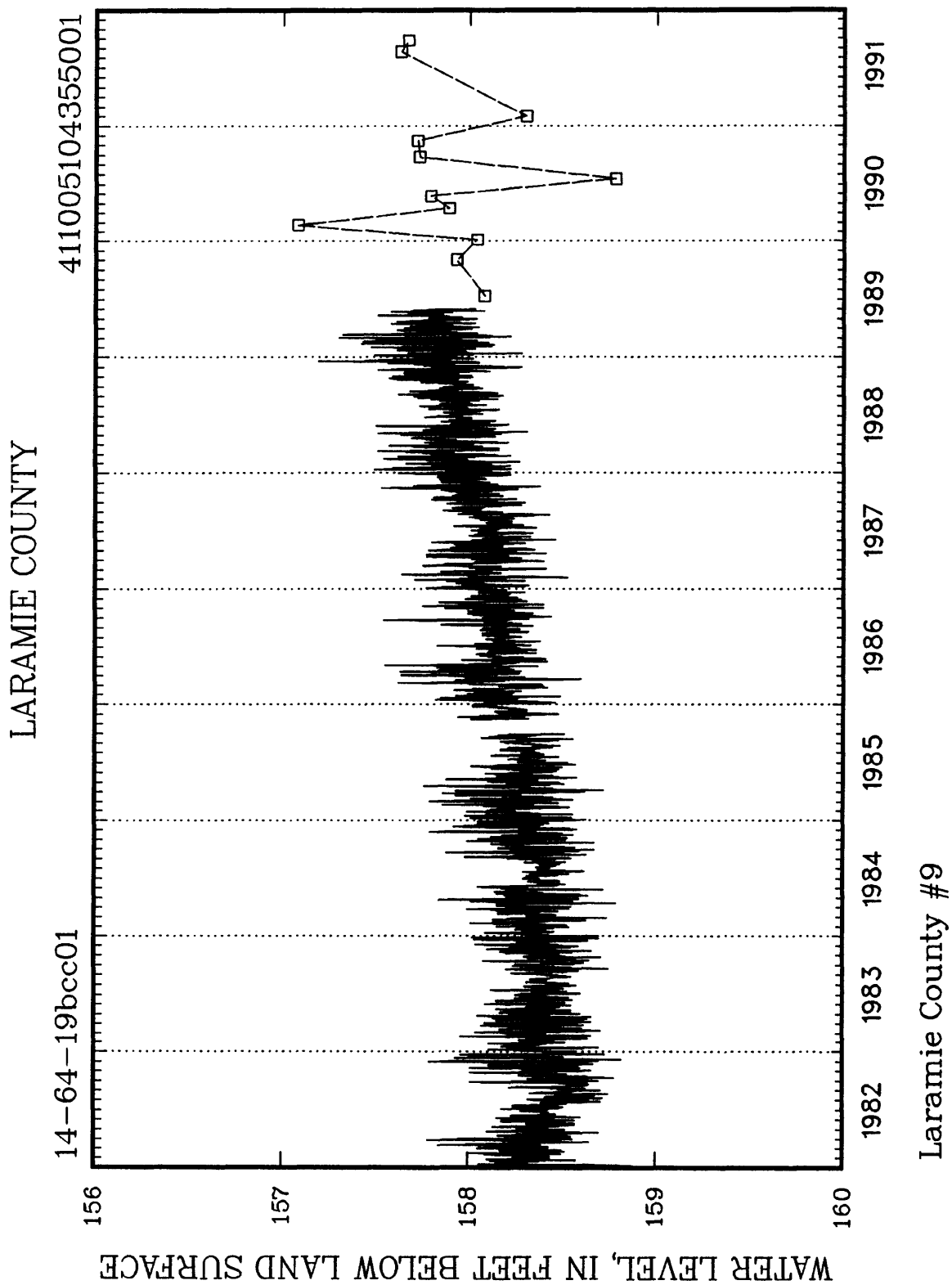
C. C. Gross



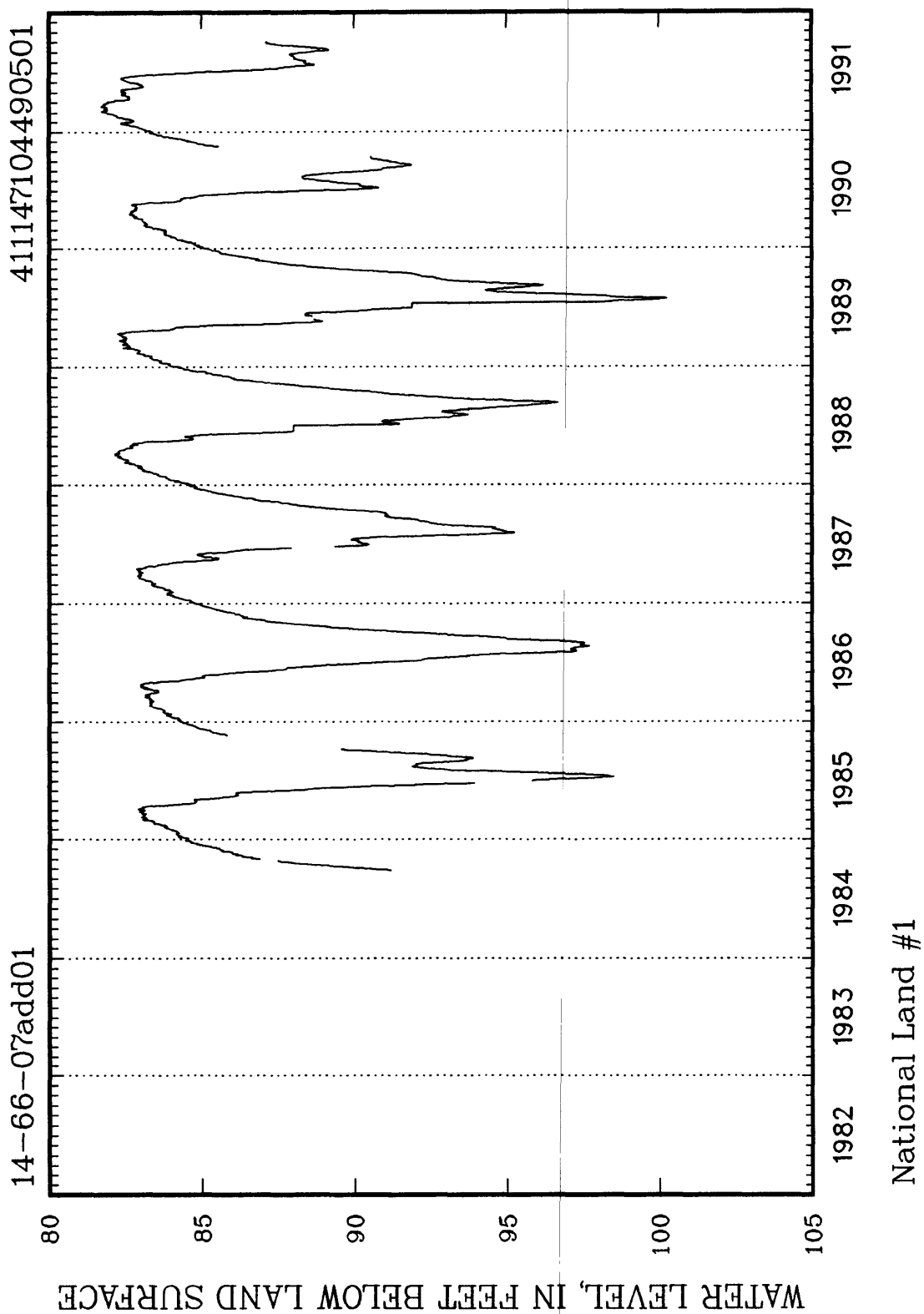
LARAMIE COUNTY

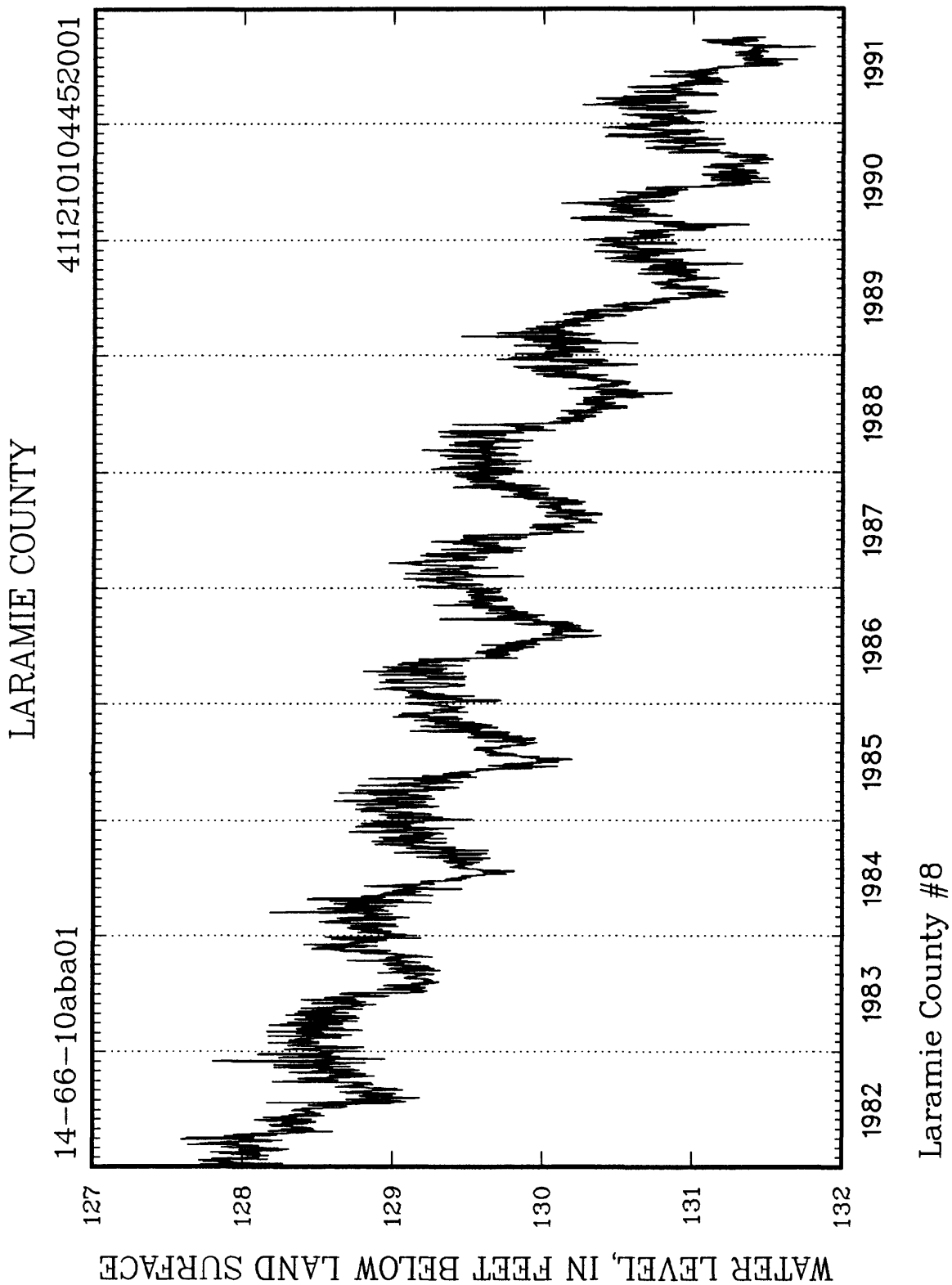


Laramie County #3

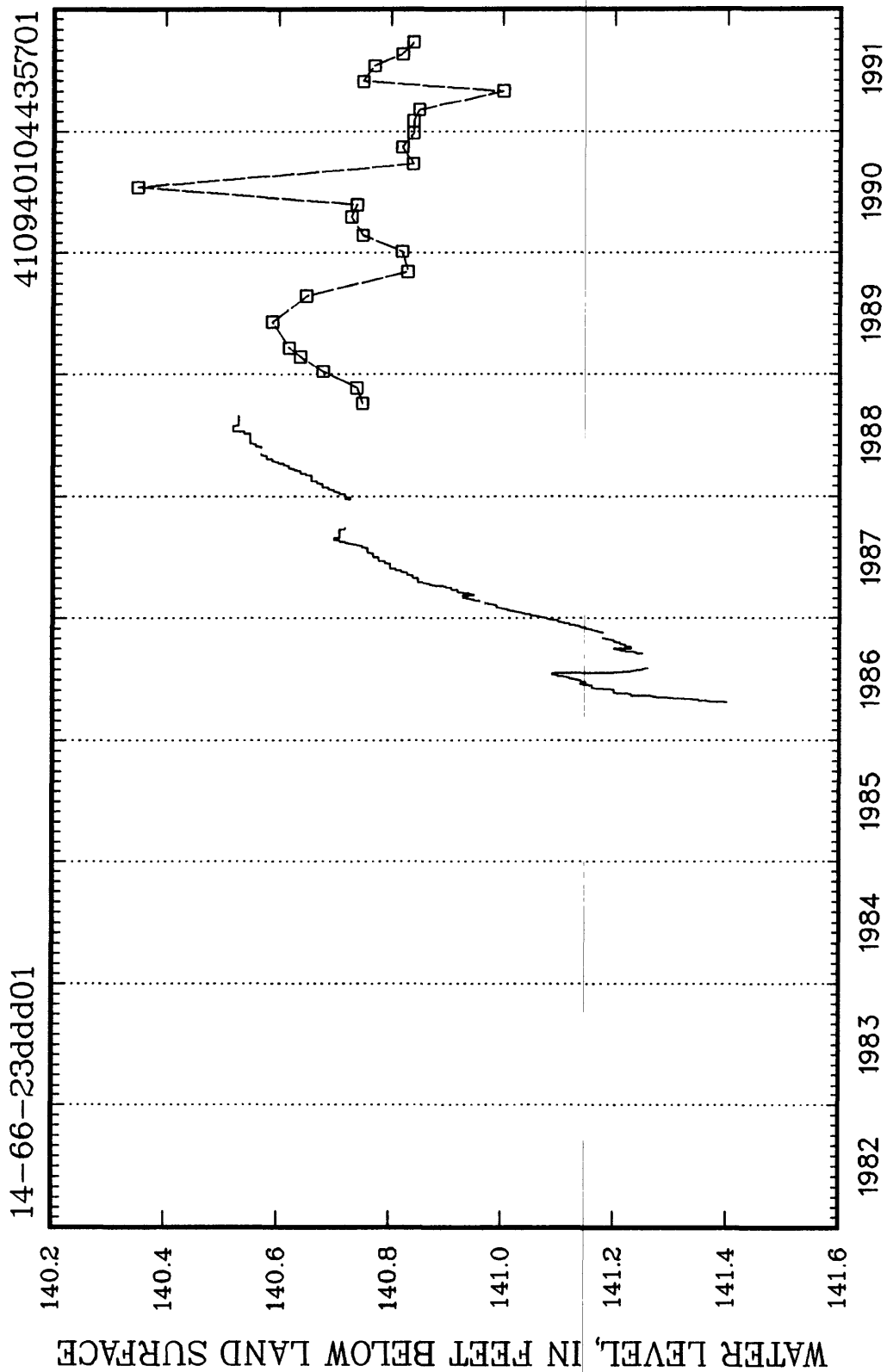


LARAMIE COUNTY



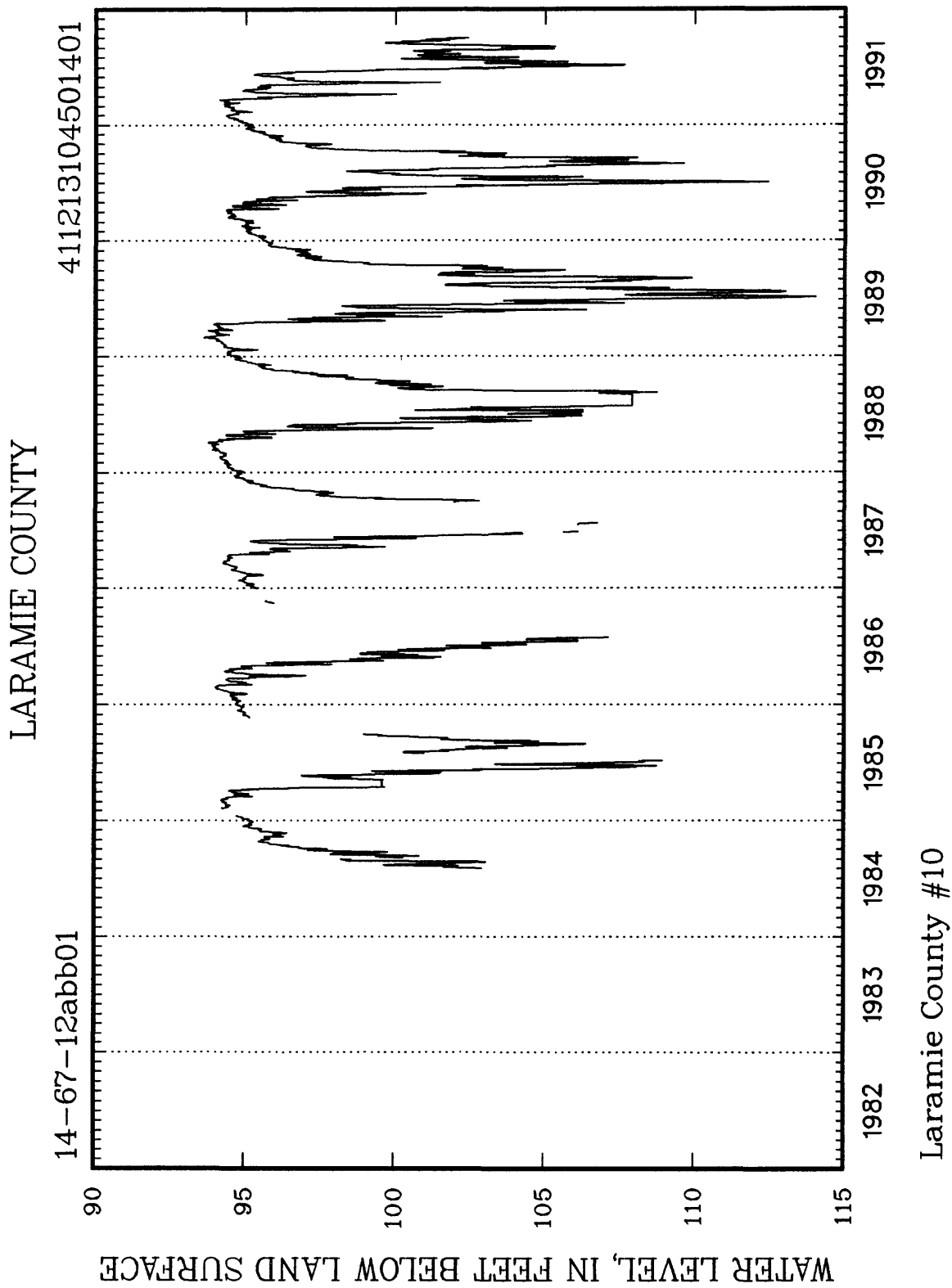


# LARAMIE COUNTY

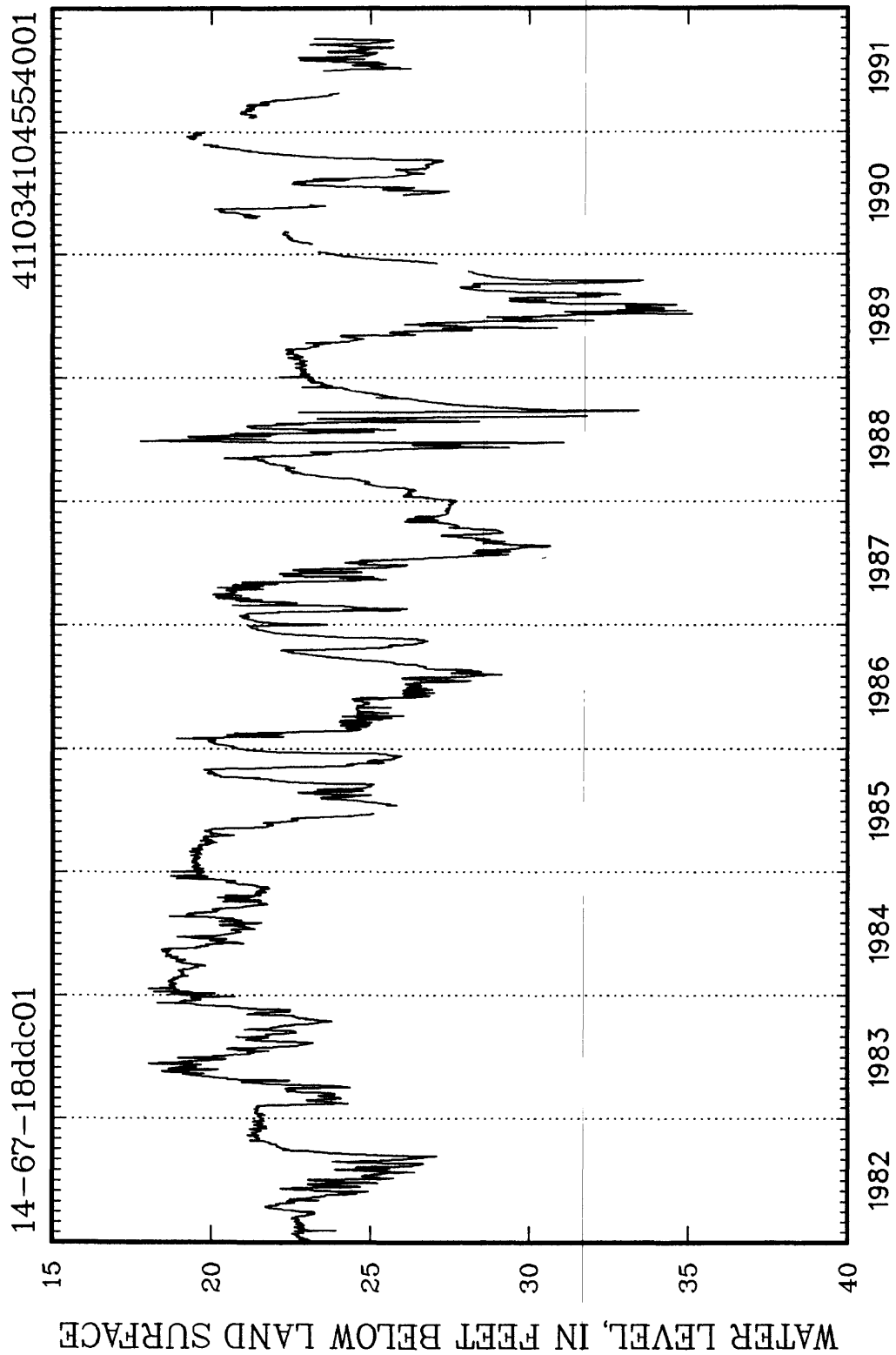


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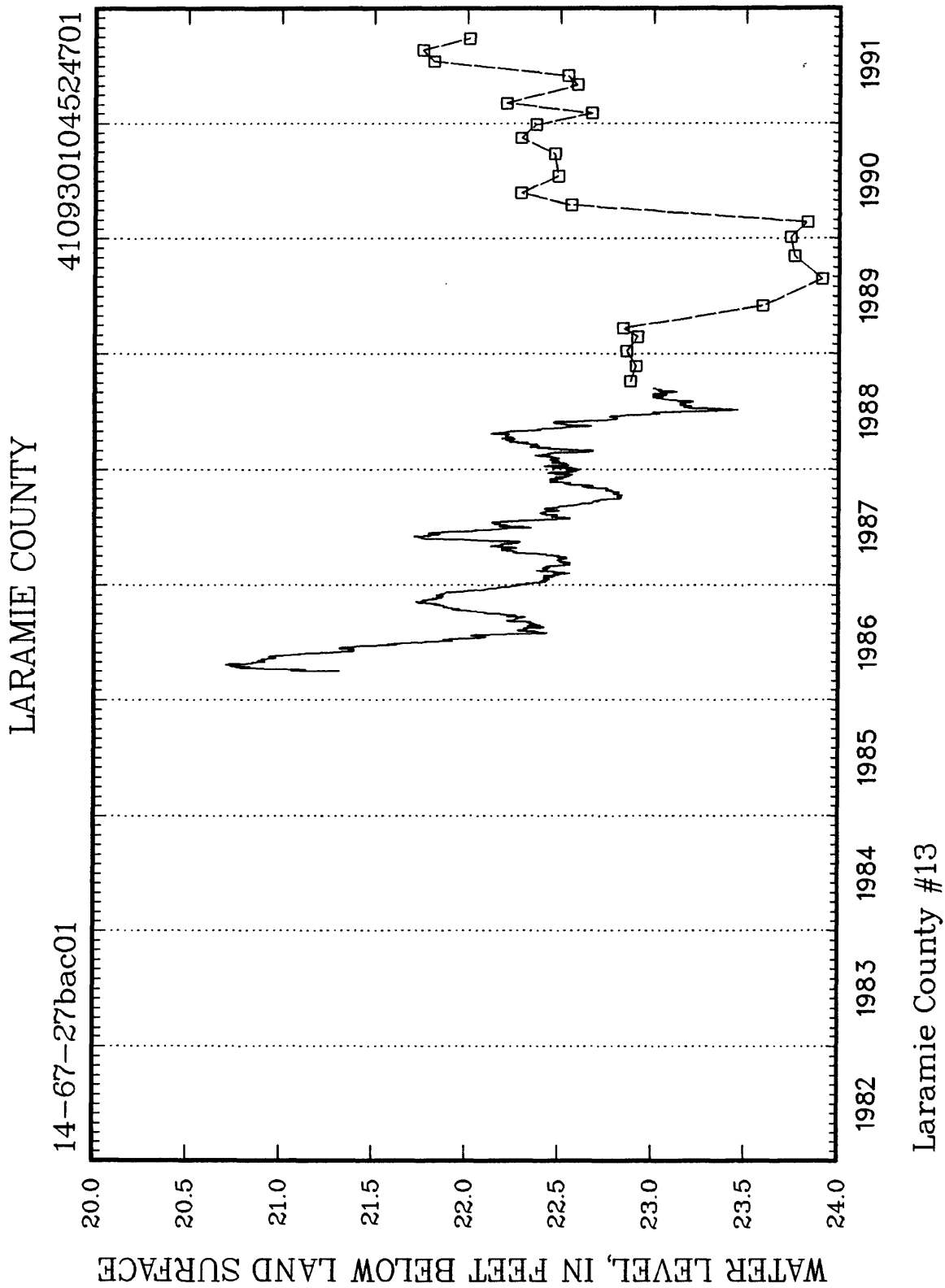




LARAMIE COUNTY



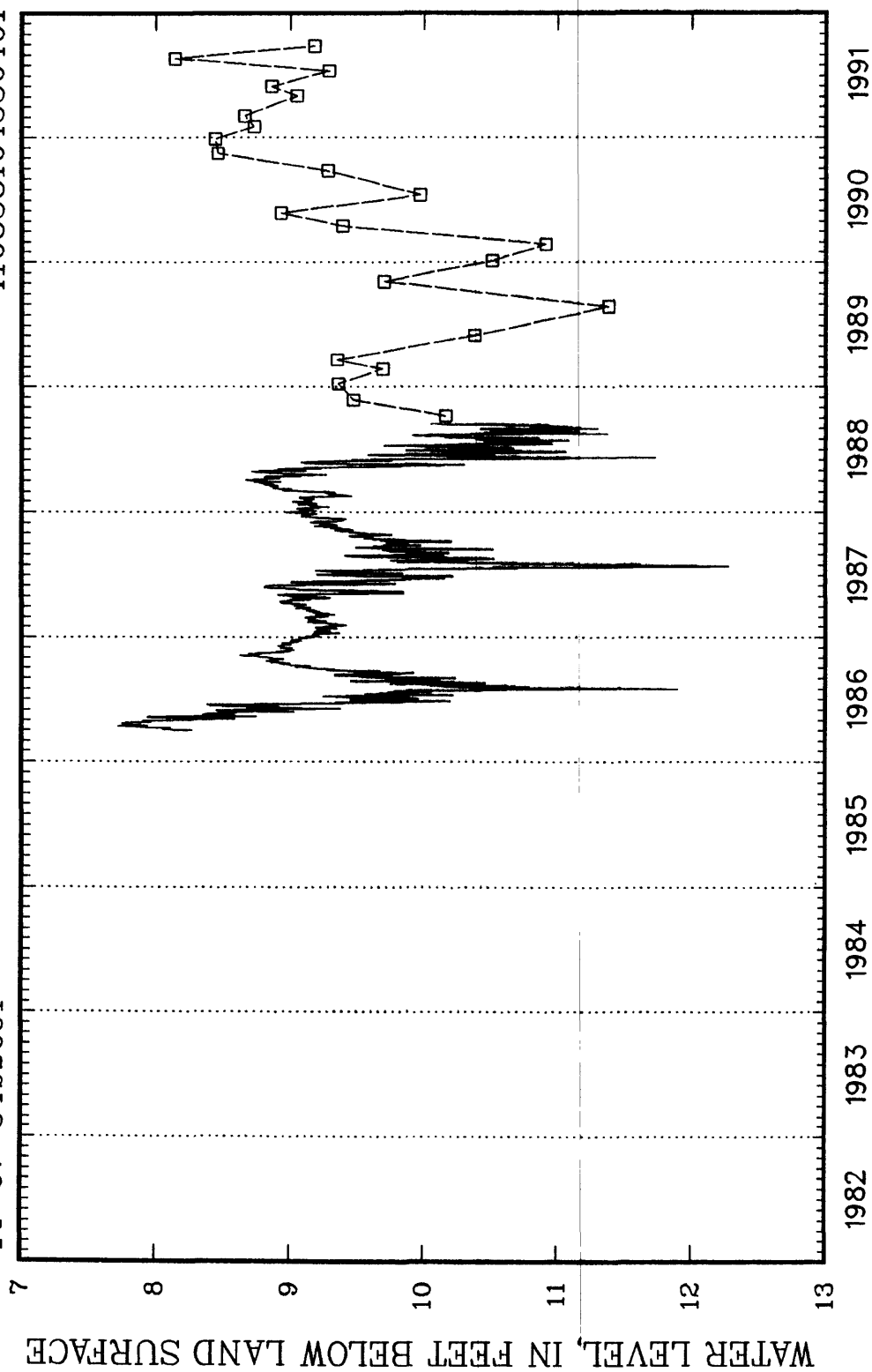
Bell #14



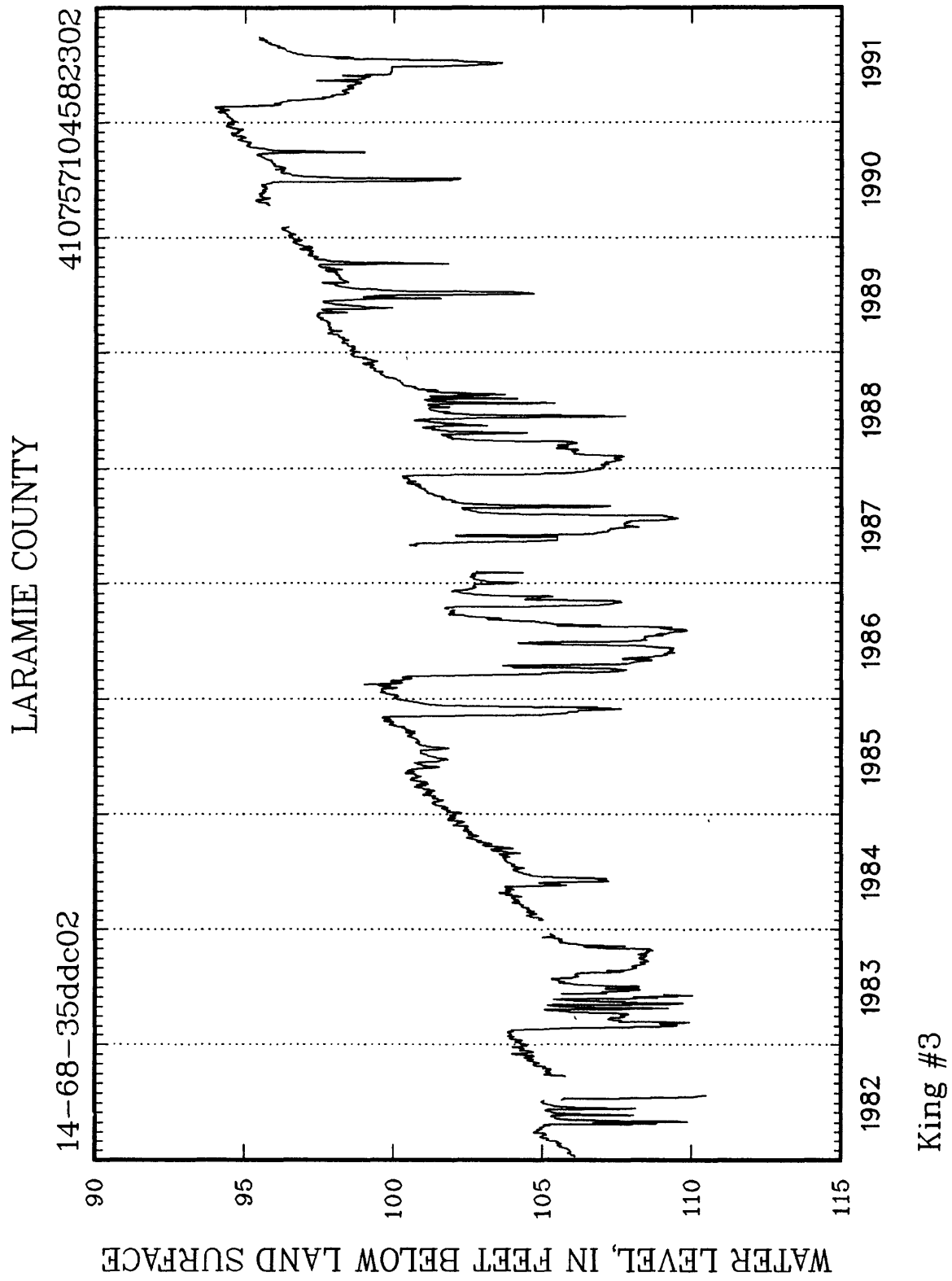
# LARAMIE COUNTY

14-67-34bbc01

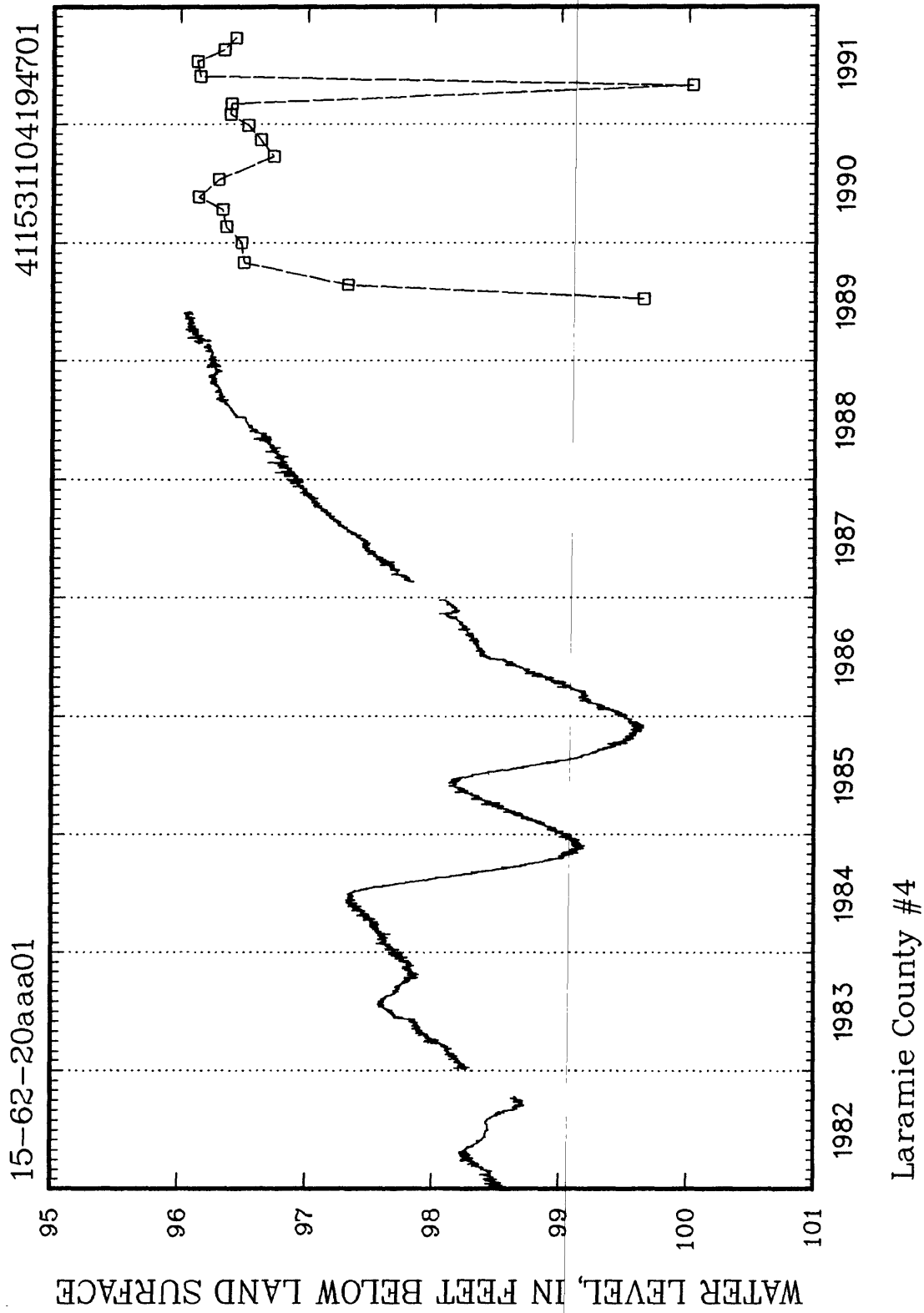
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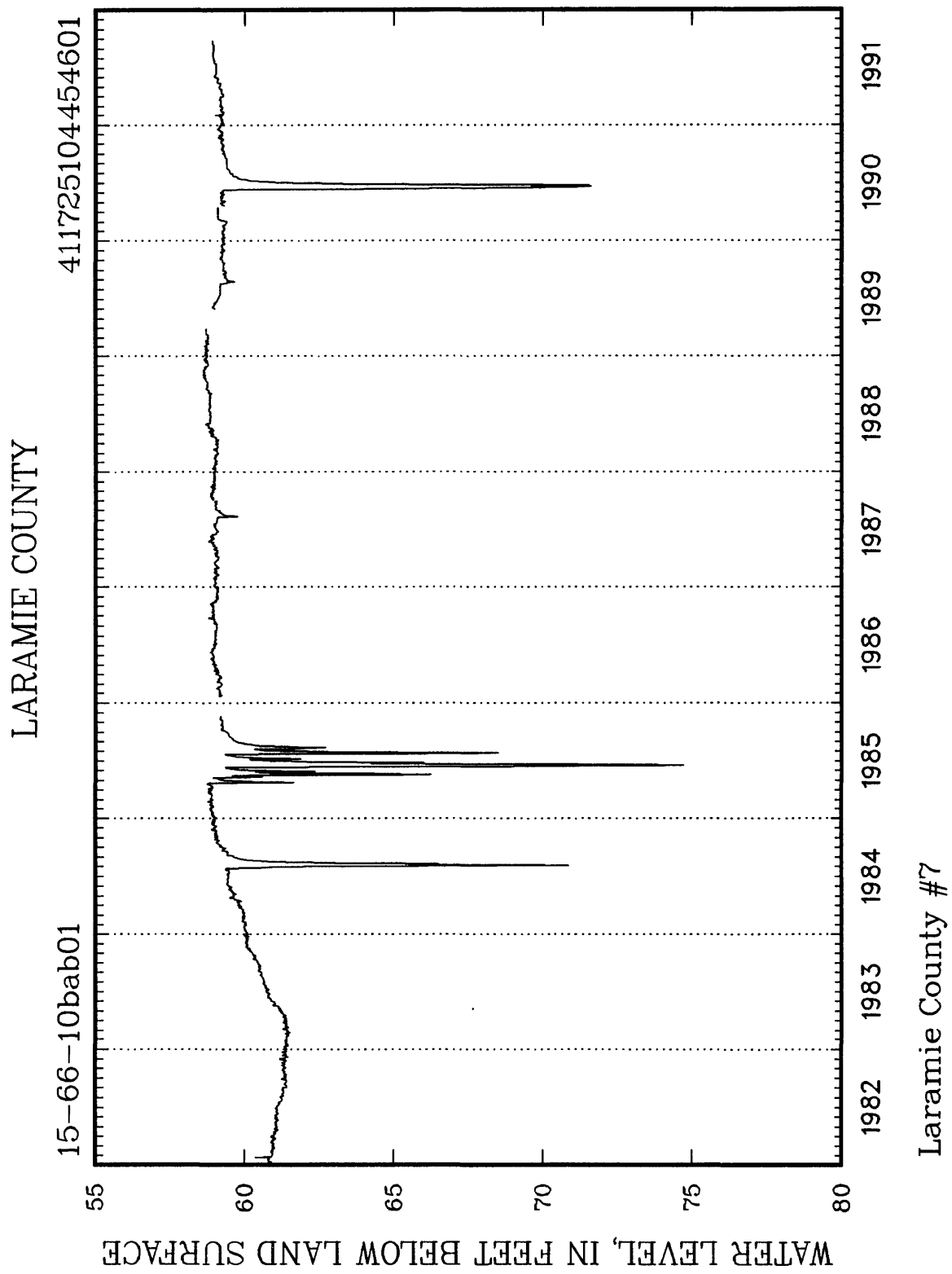


Laramie County #11



LARAMIE COUNTY

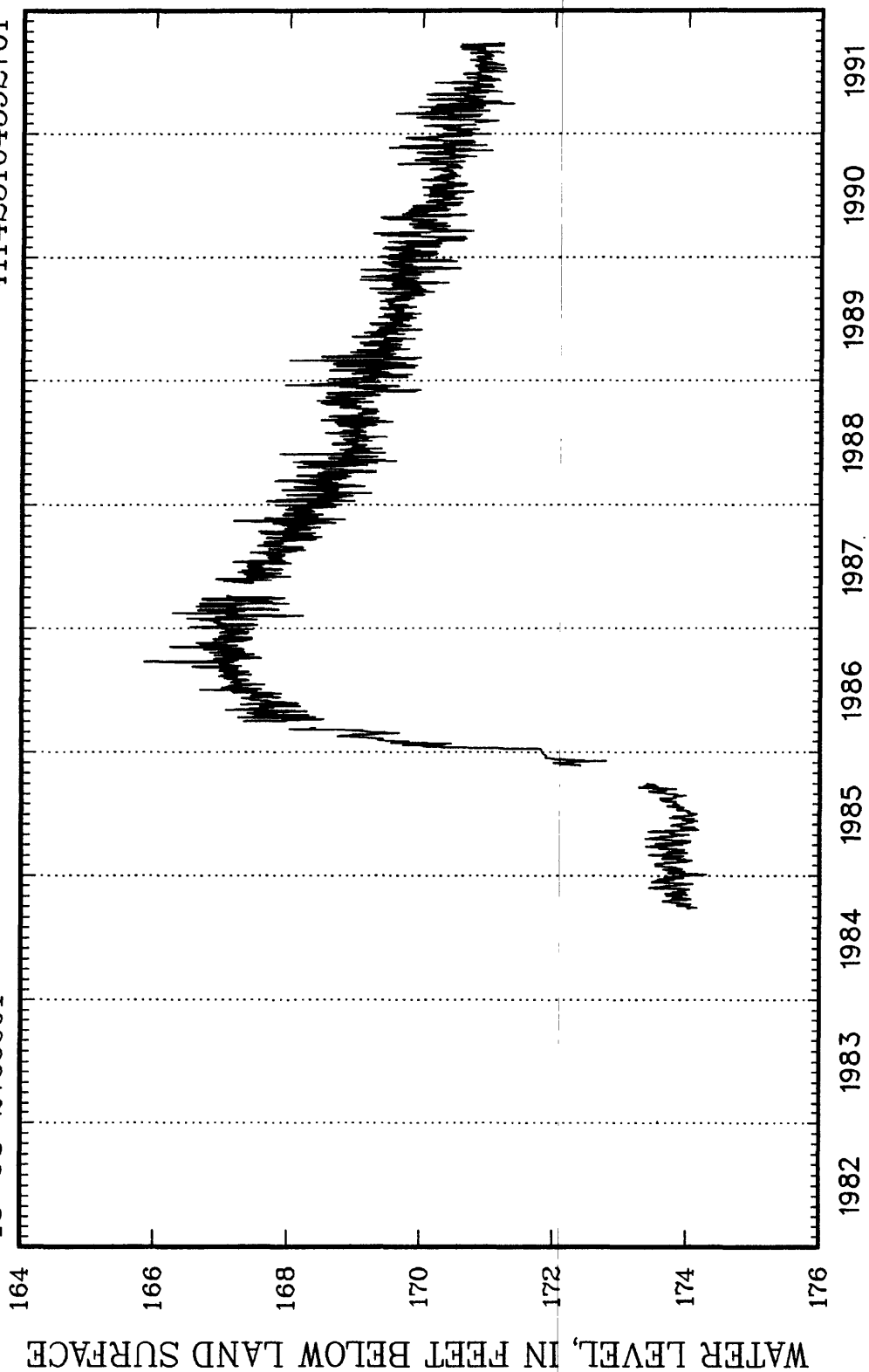




LARAMIE COUNTY

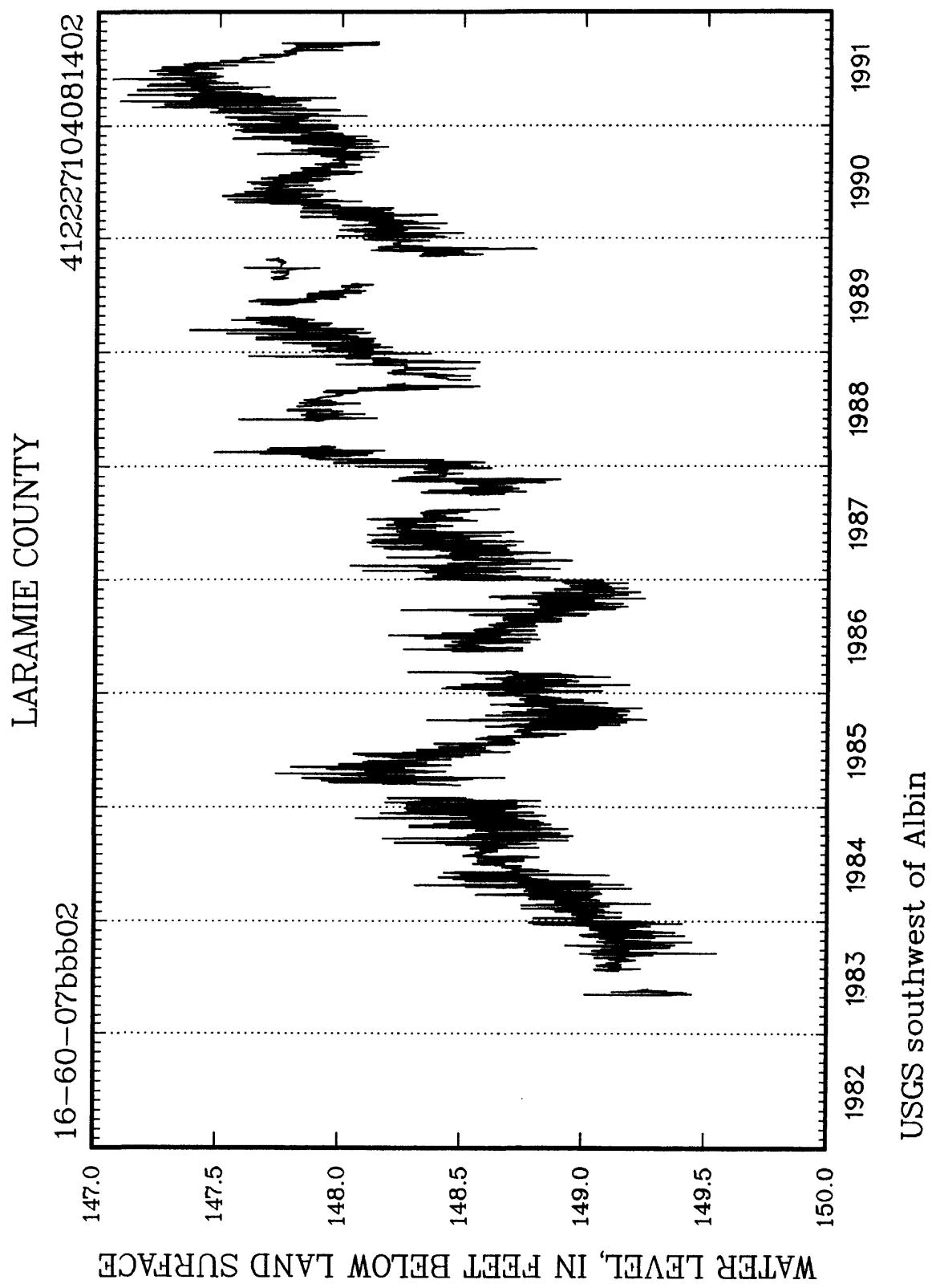
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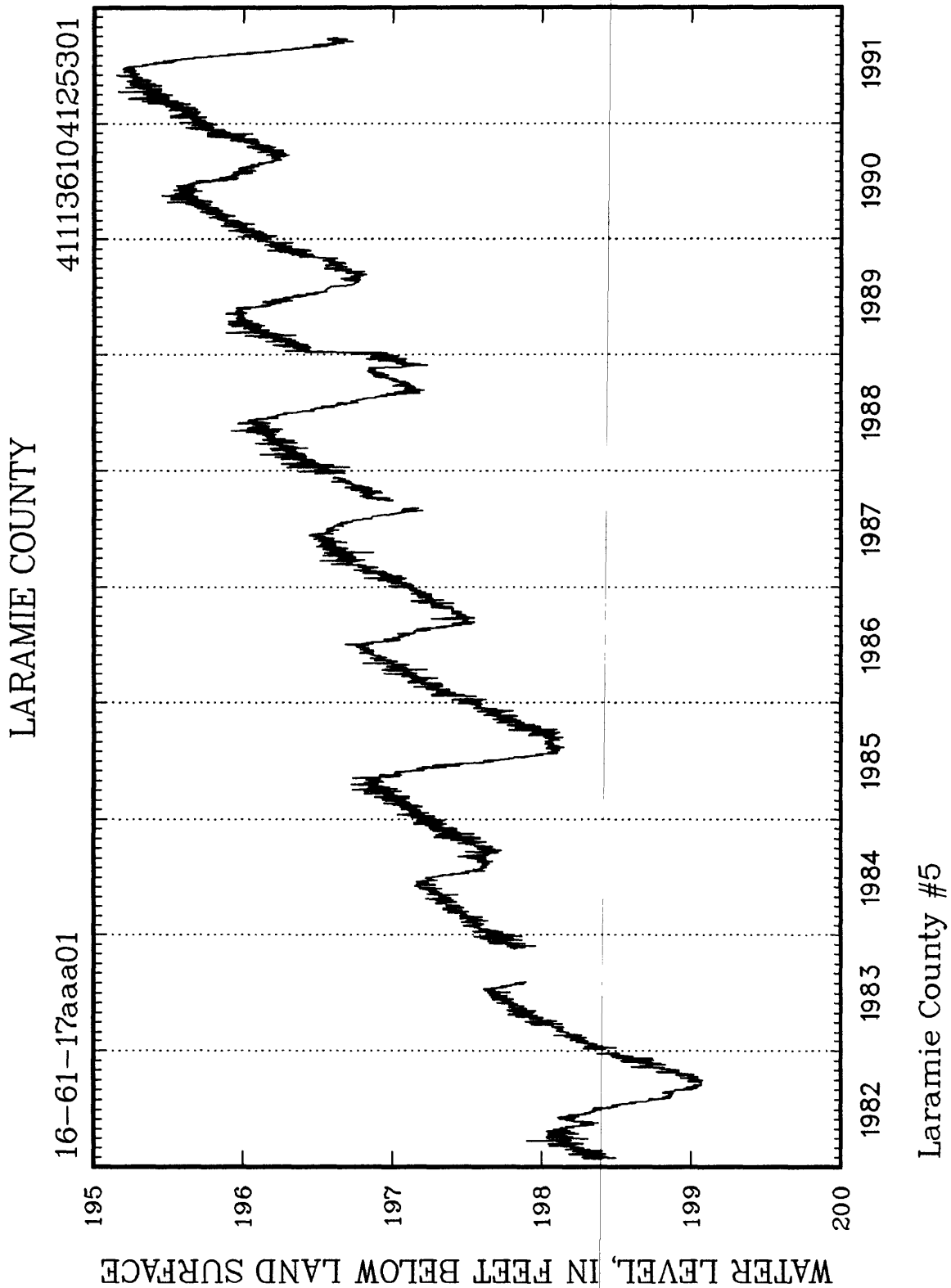
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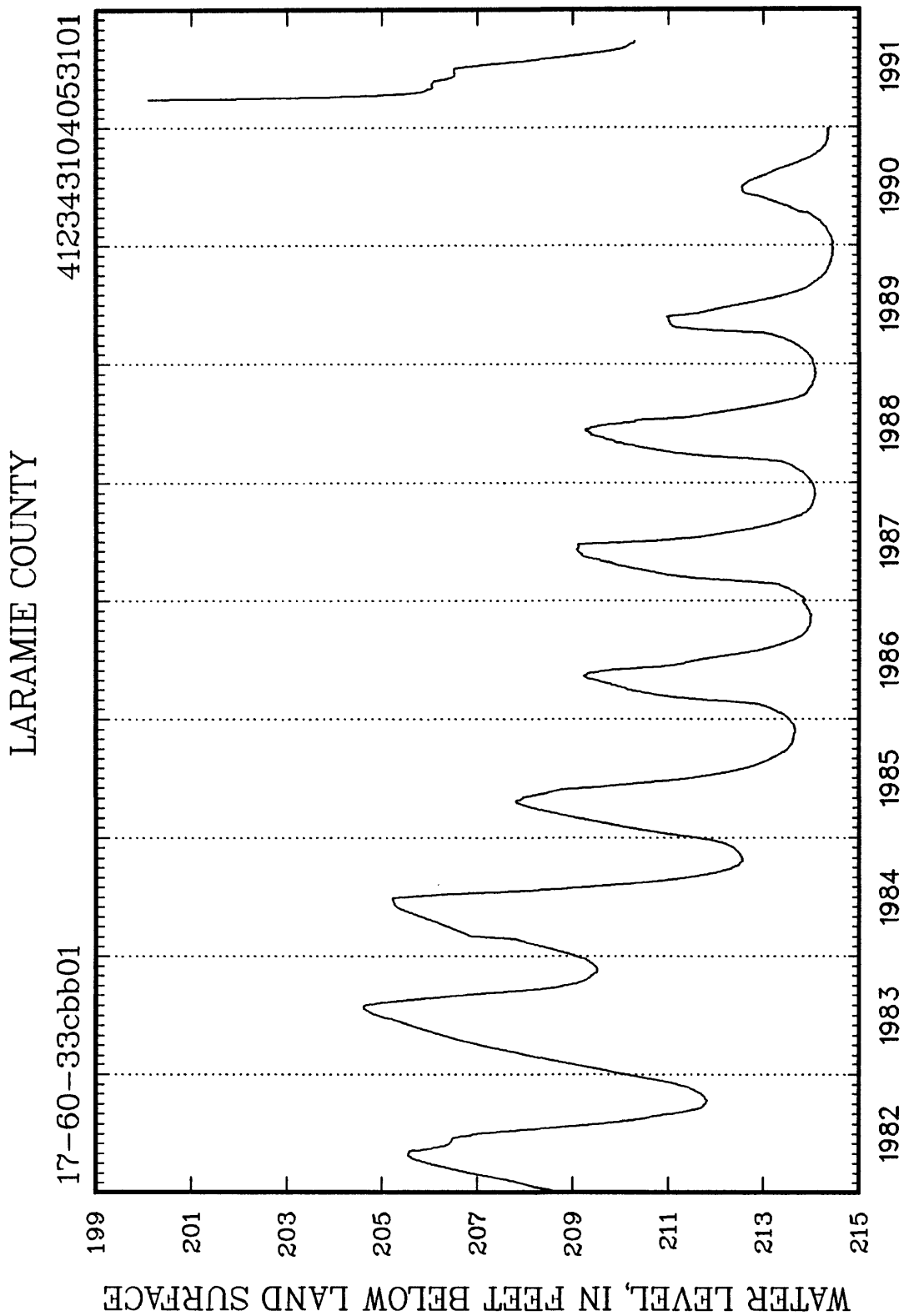


MX - WEST



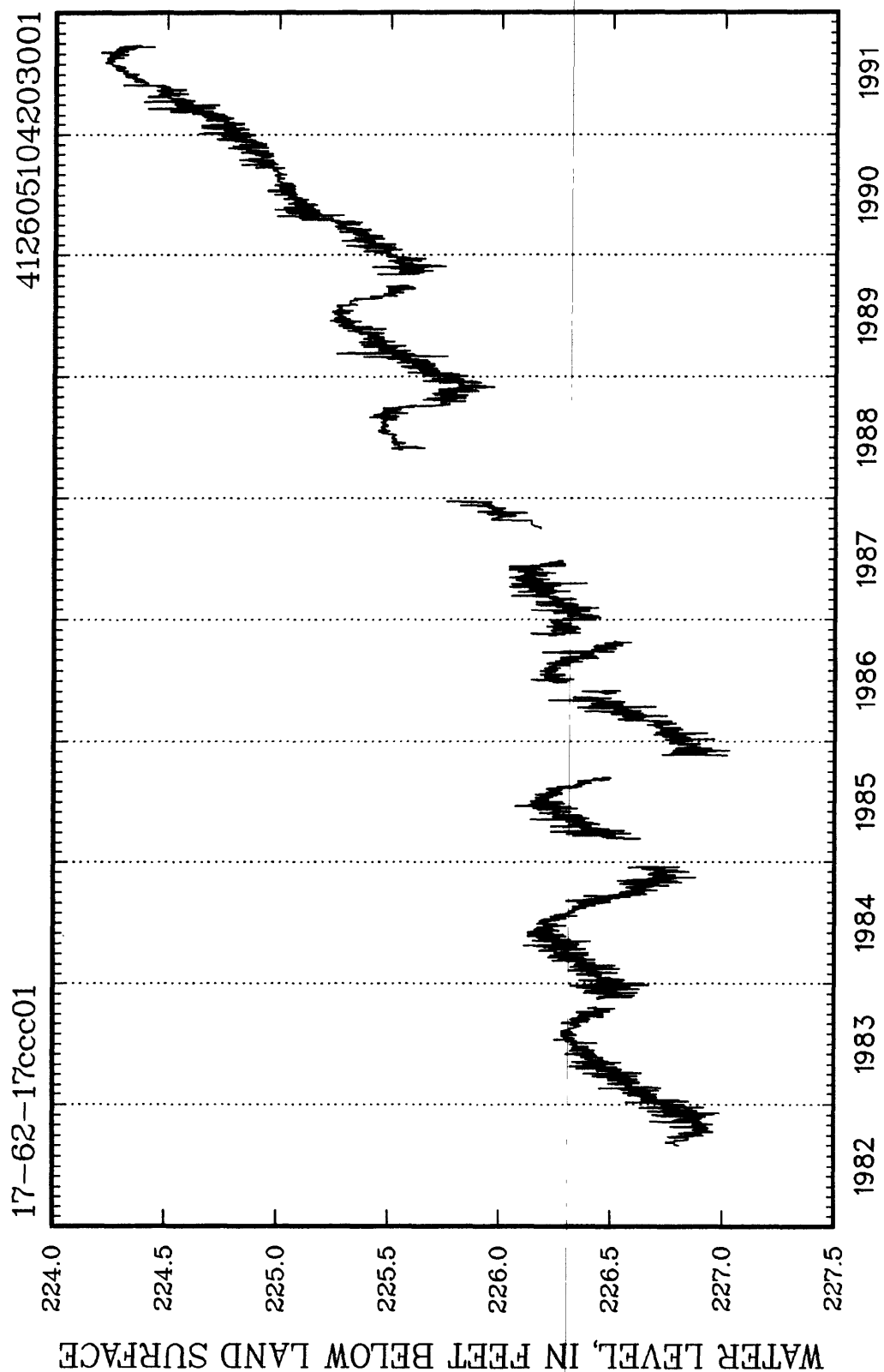




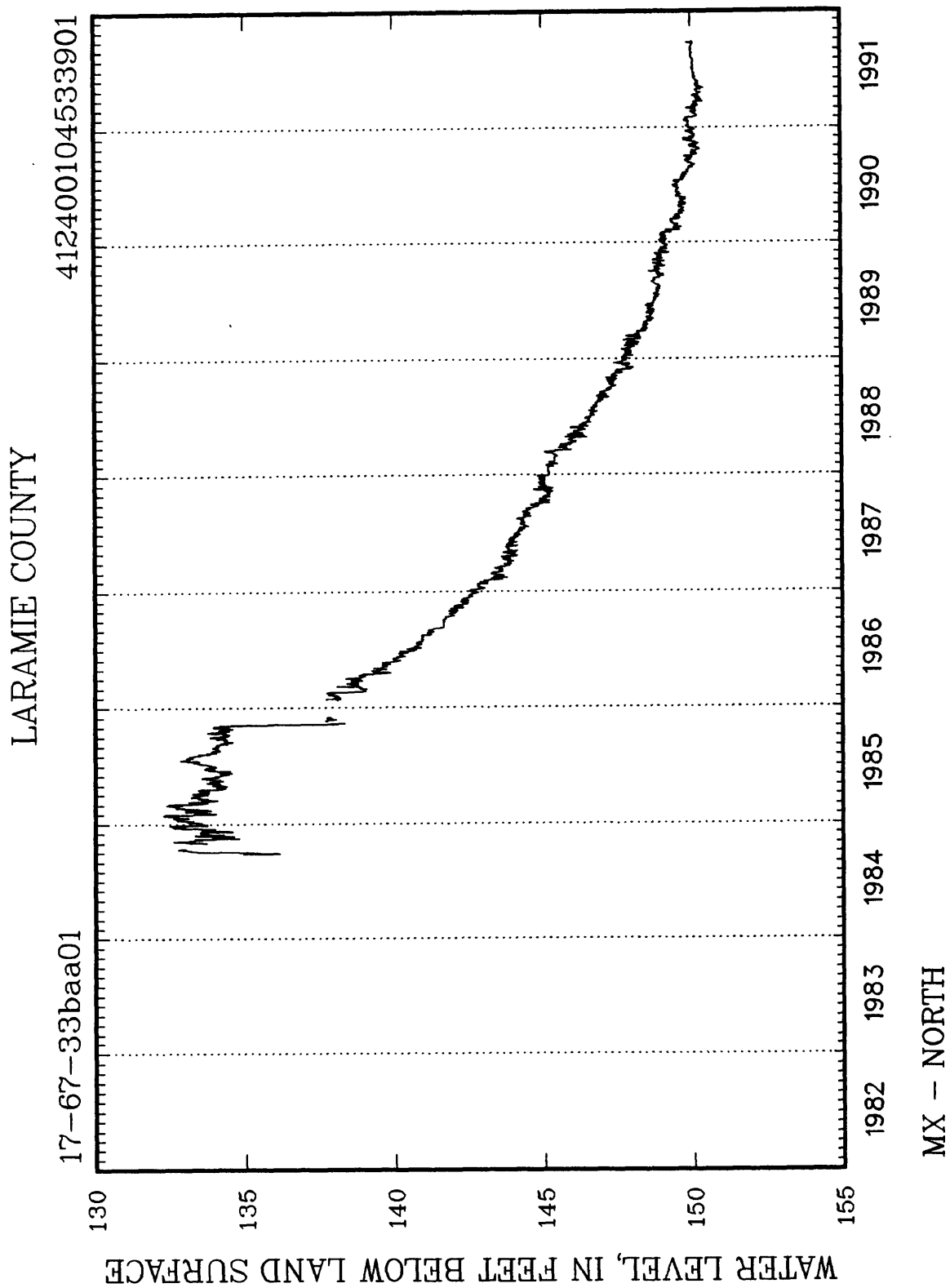


USGS south of Albin  
Well flushed in March 1991 to improve connection between aquifer and well.

LARAMIE COUNTY



Laramie County #6A



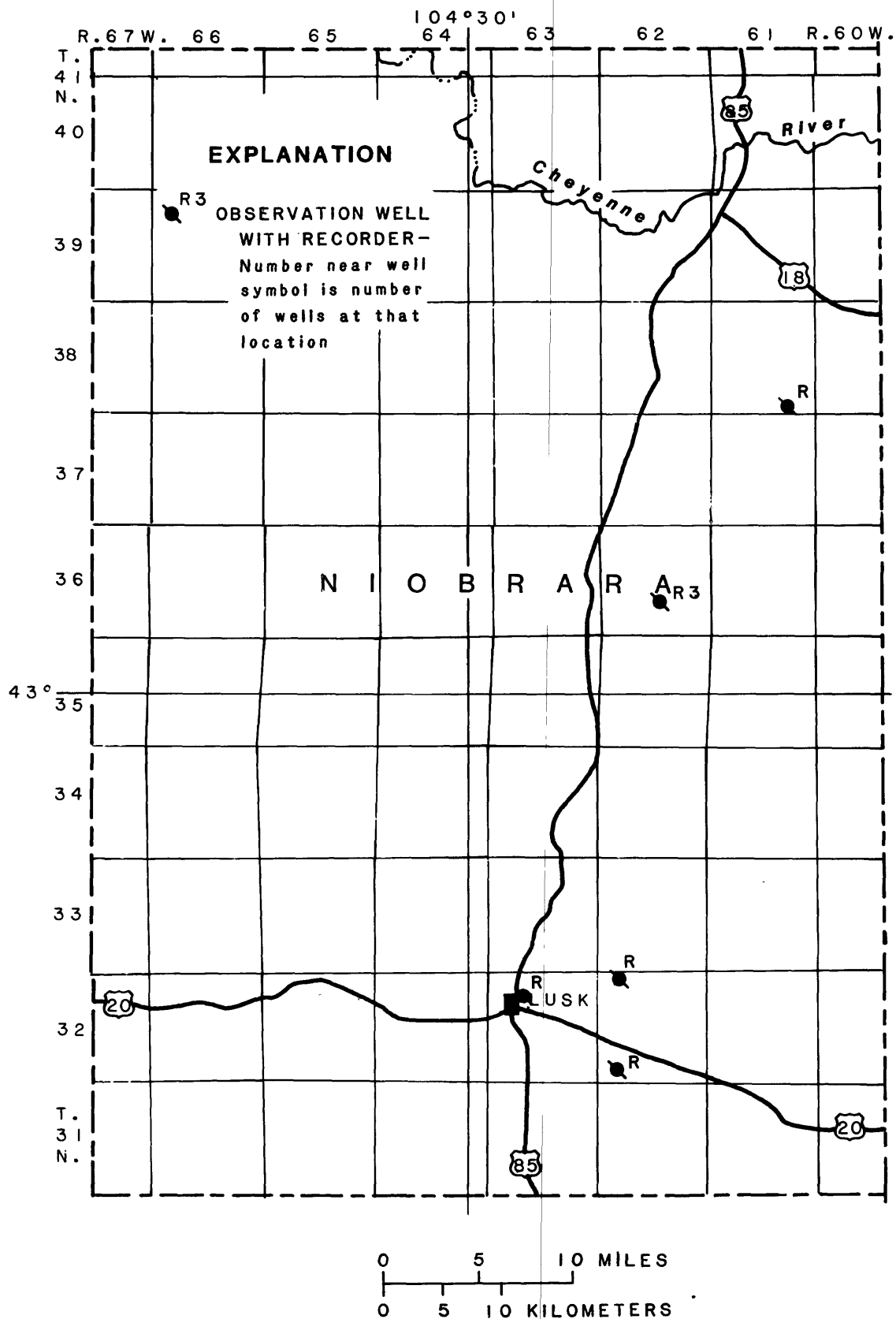
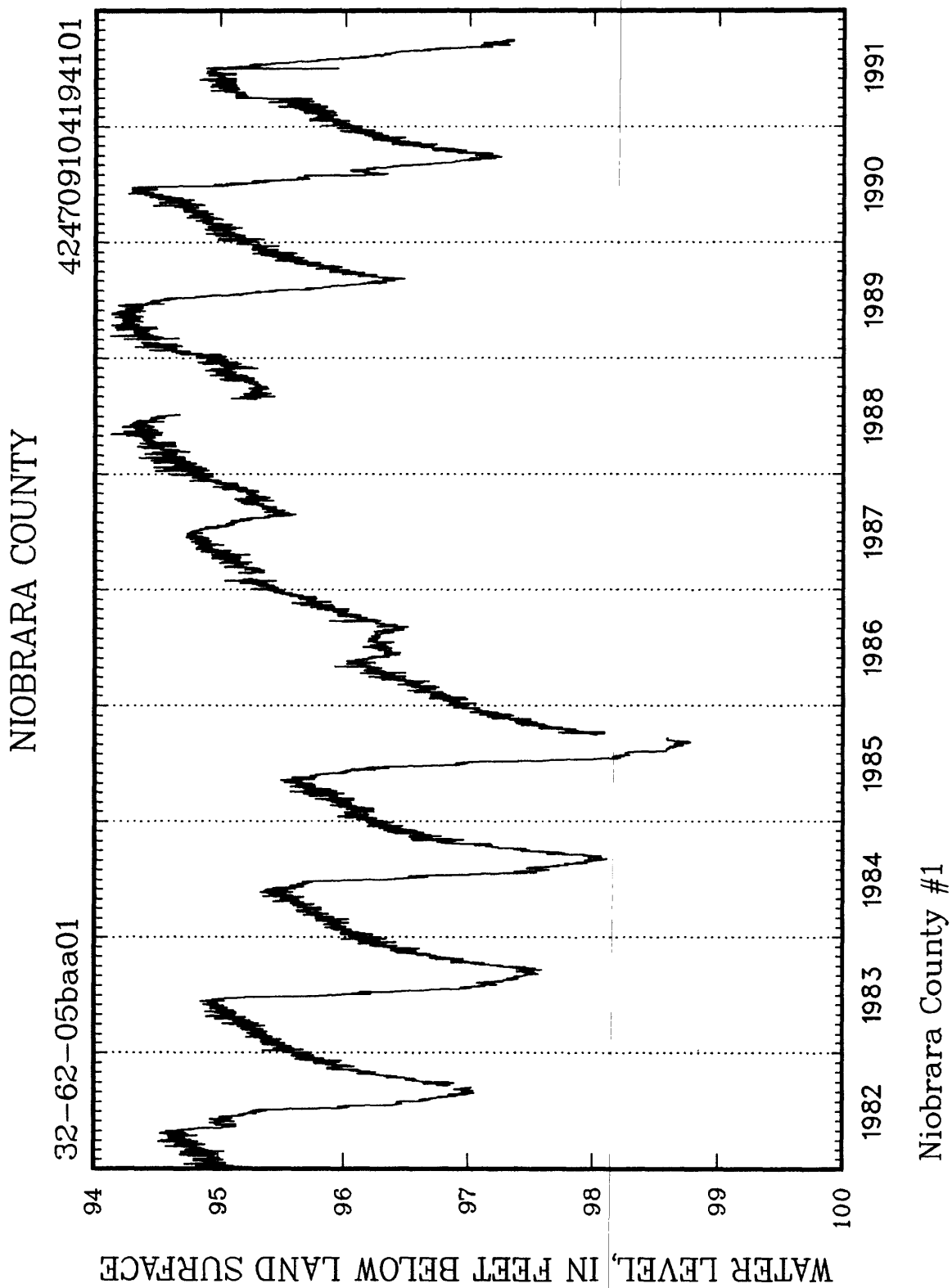


Figure 12.--Location of observation wells in Niobrara County, Wyoming.

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

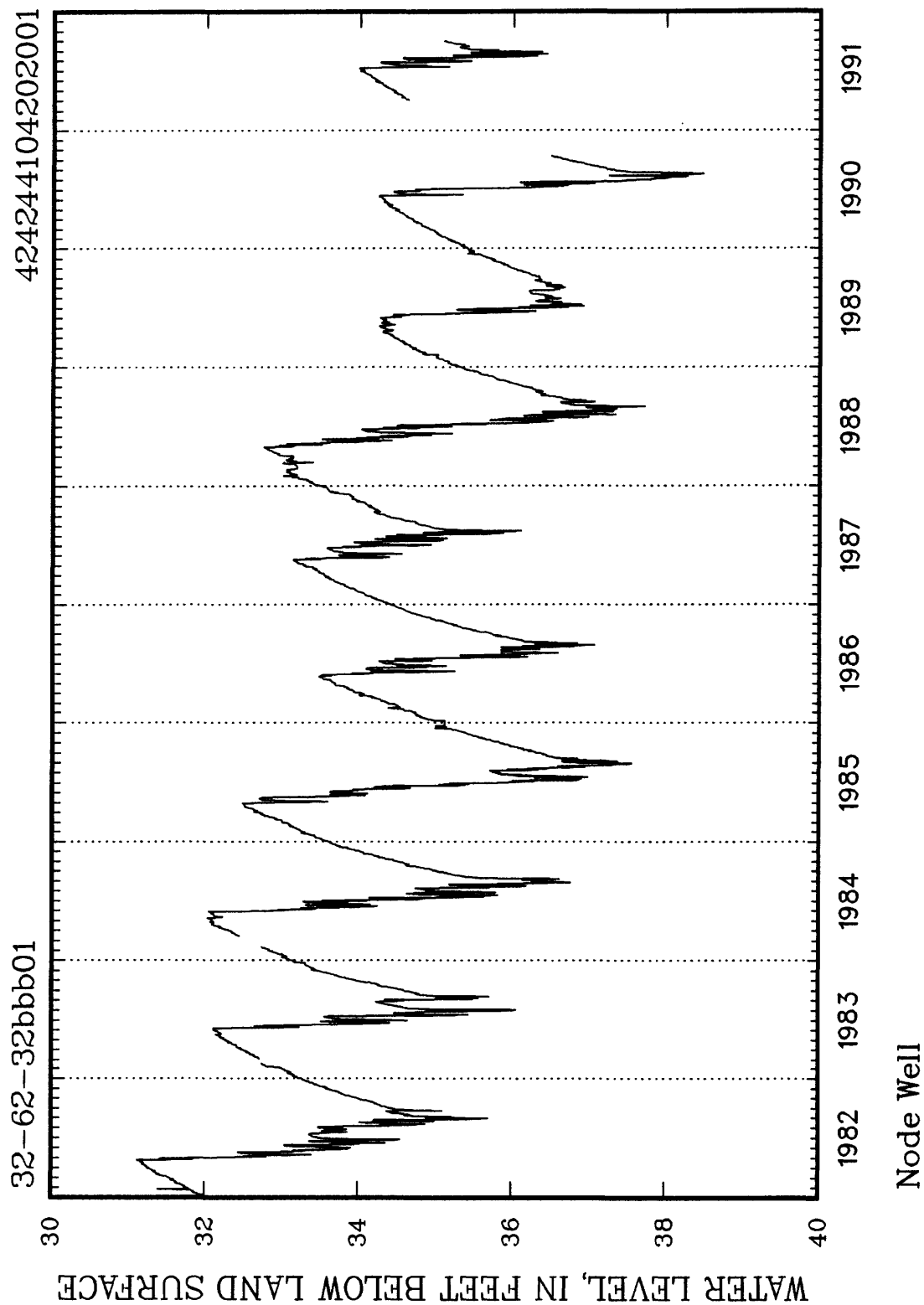
Well number	Well depth (feet)	Use of water	Principal geologic source	Record available (year)	Water levels			
					Highest Level (feet)	Month-year	Lowest Level (feet)	Month-year
32-62-05baa01	177	U	122ARKR	1979-91	92.26	06-80	98.78	09-85
32-62-32bbb01	485	U	122ARKR	1970-91	20.93	06-70	38.48	08-90
32-63-08daa01	178	U	122ARKR	1979-91	9.24	06-91	48.96	09-82
36-62-28ab 01	3,269	U	331MDSN	1974-91	1549.00	05-74	558.54	09-85
36-62-28ab 02	505	U	217LKOT	1974-91	1233.87	08-74	255.13	06-91
36-62-28bbd01	1,513	U	317MNLS	1980-91	552.00	09-86	554.67	09-89
38-61-35dca01	5,155	U	317MNLS	1983-91	702.13	01-90	716.05	10-83

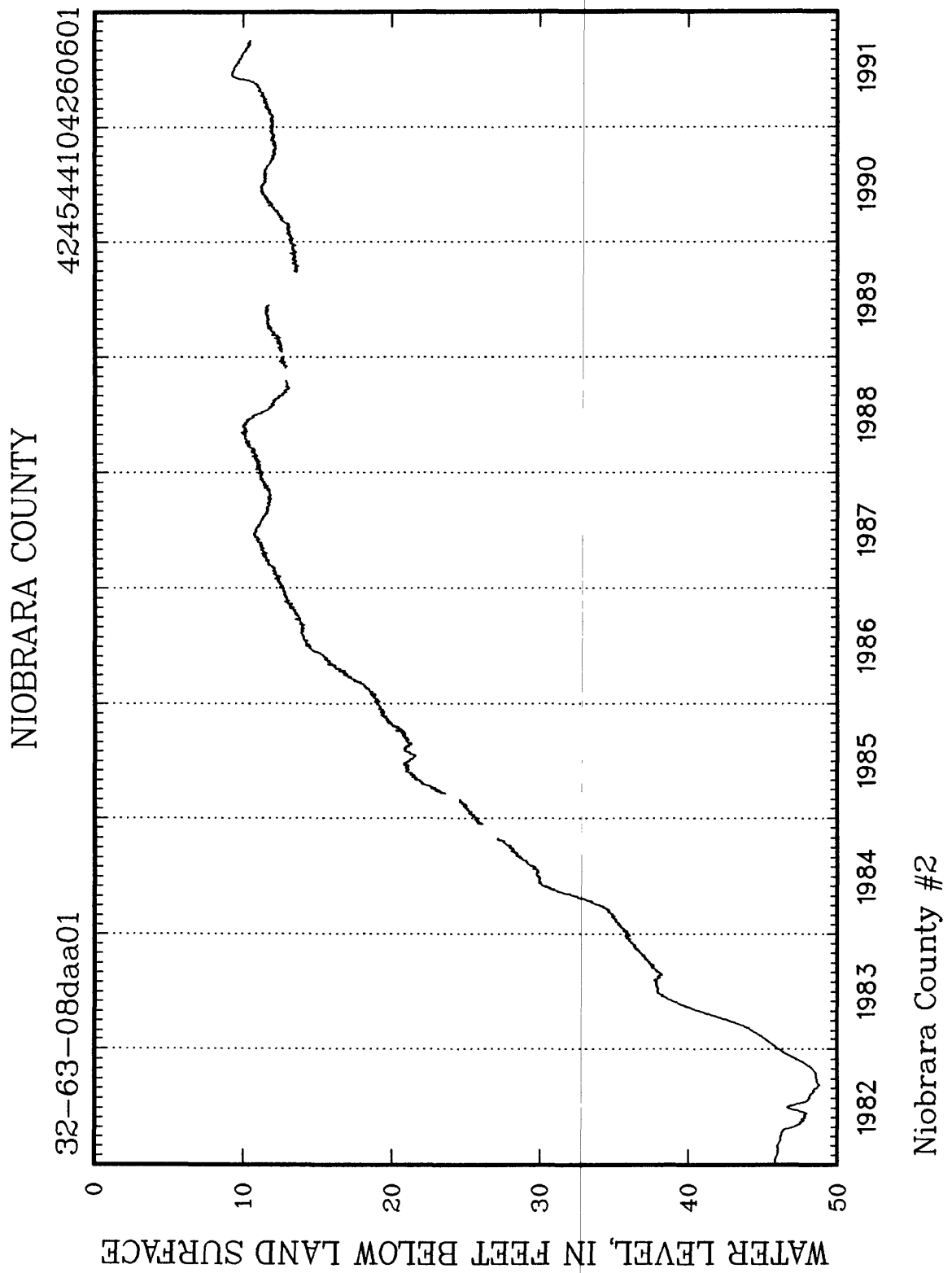
<sup>1</sup> From hand-measured data.



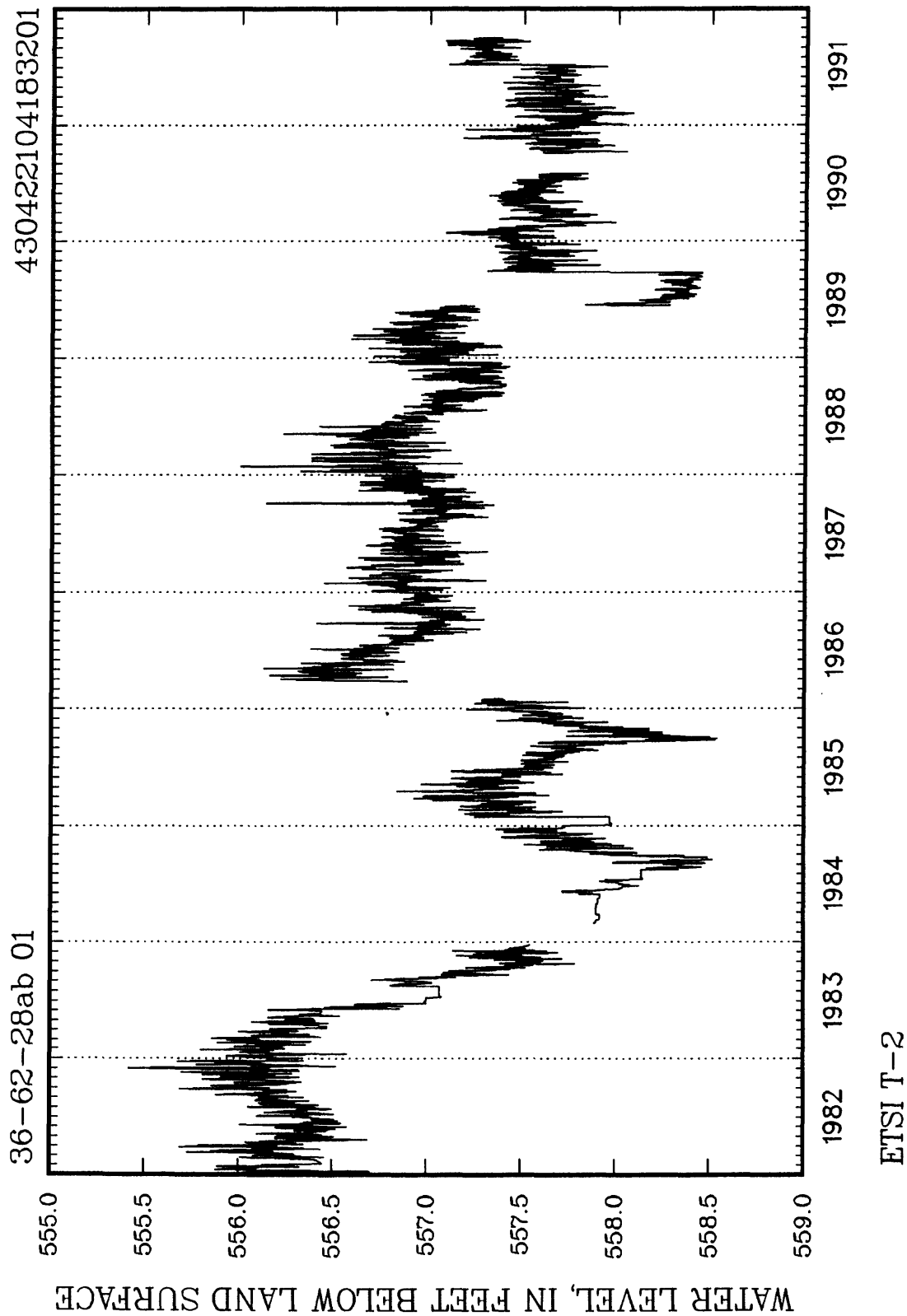


NIOBRARA COUNTY





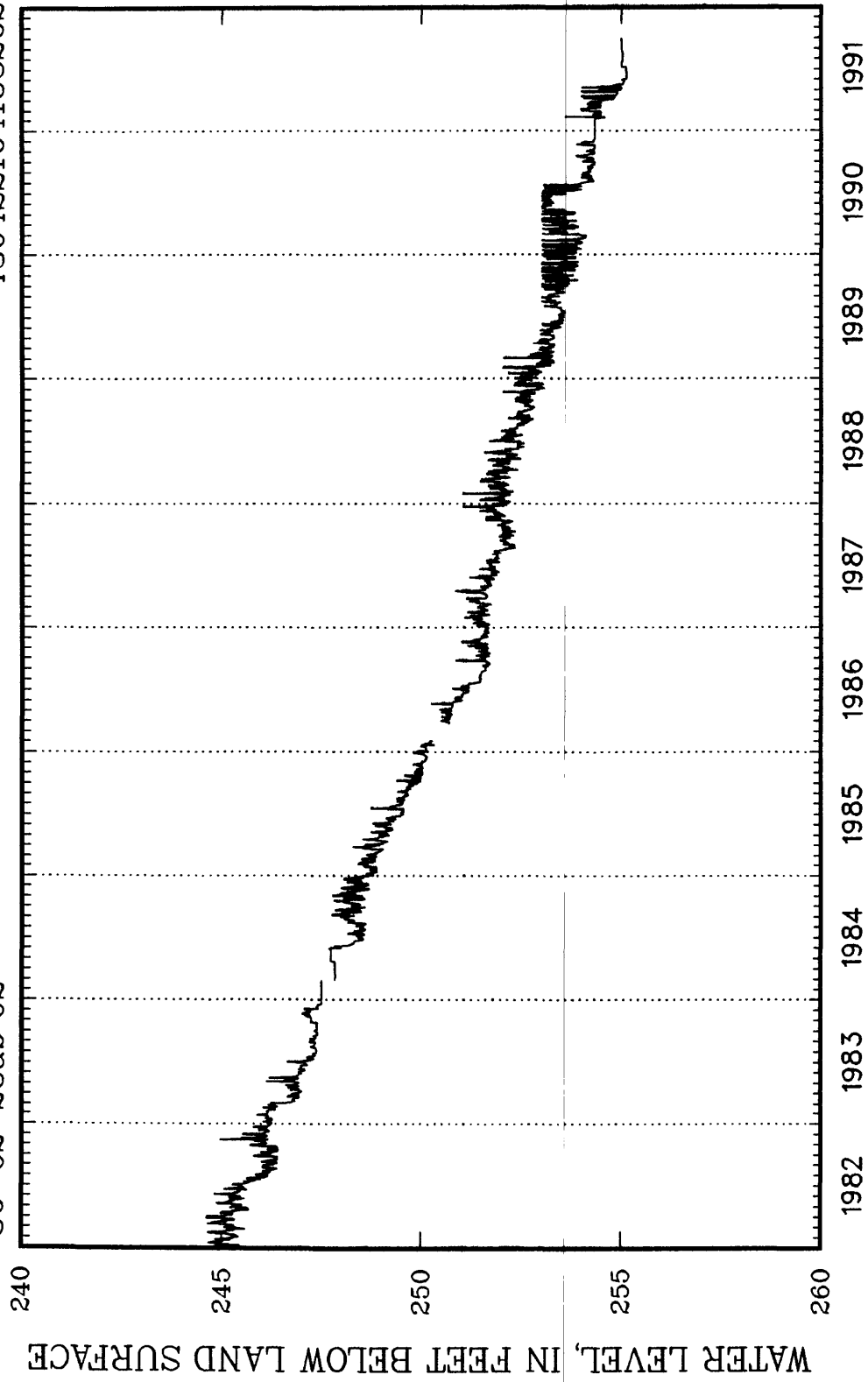
NIOBRARA COUNTY



NIOBRARA COUNTY

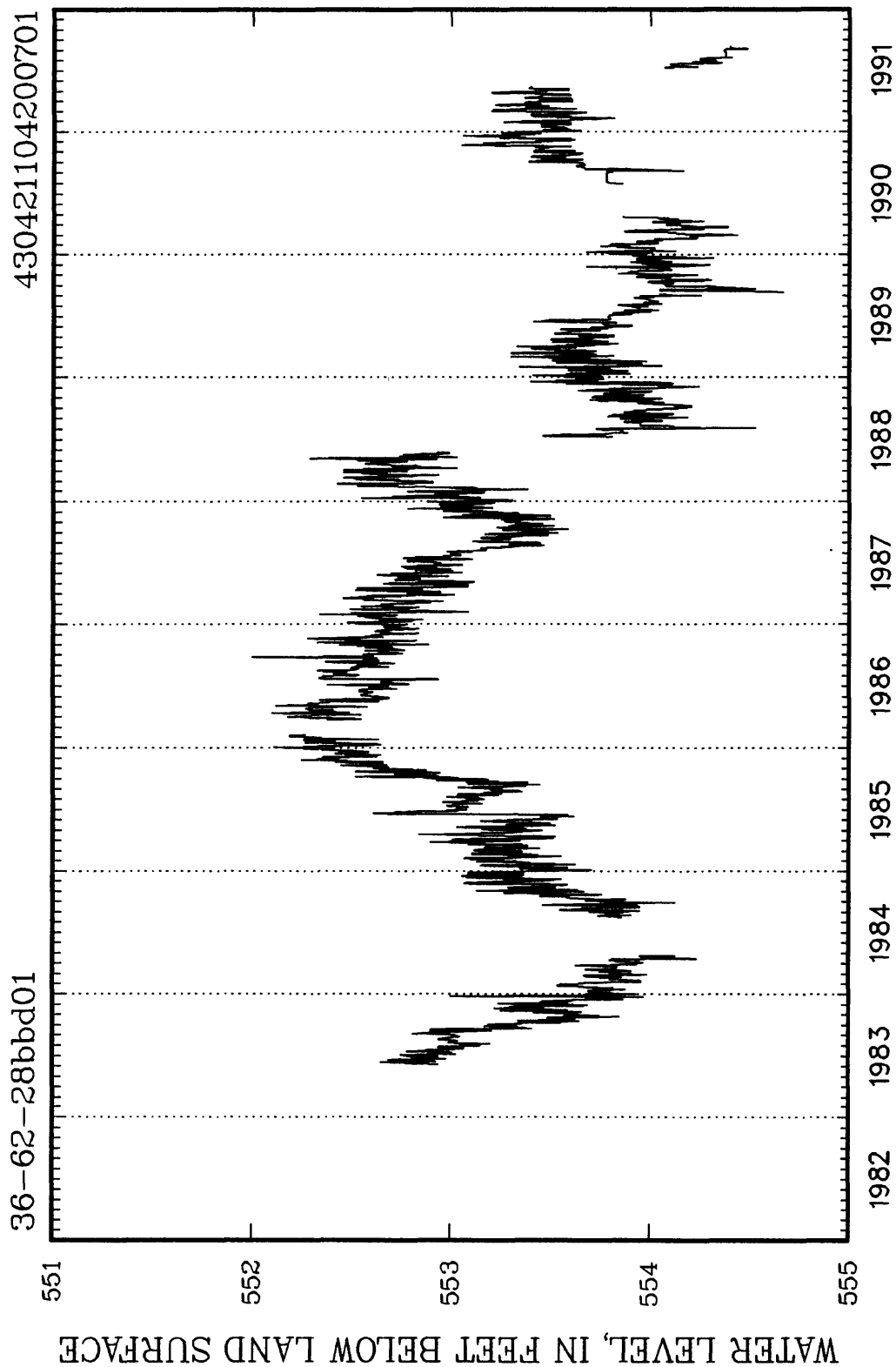
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430422104183202

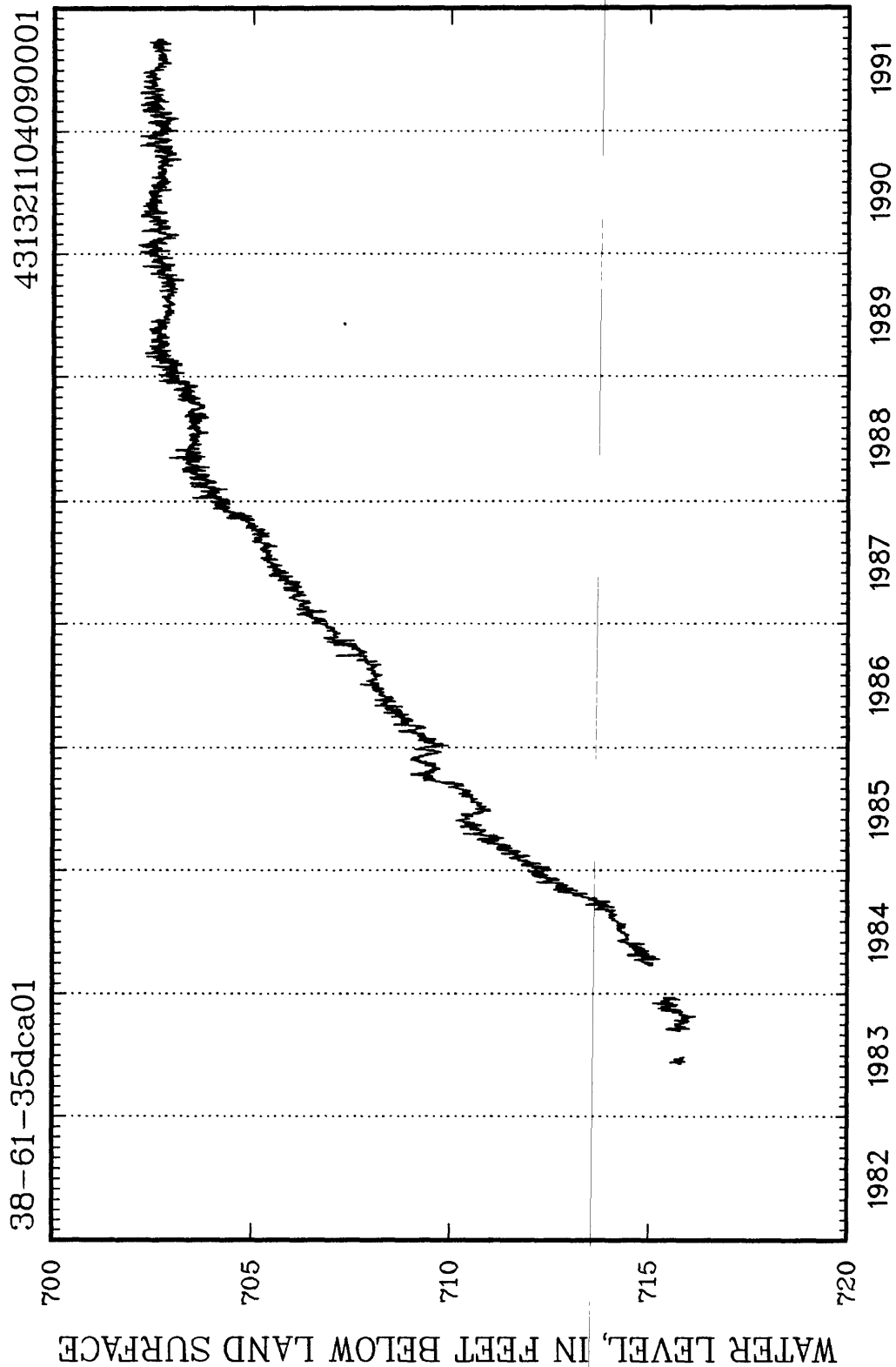


ETSI 0-2

NIOBRARA COUNTY



NIOBARA COUNTY



ETSI M-1

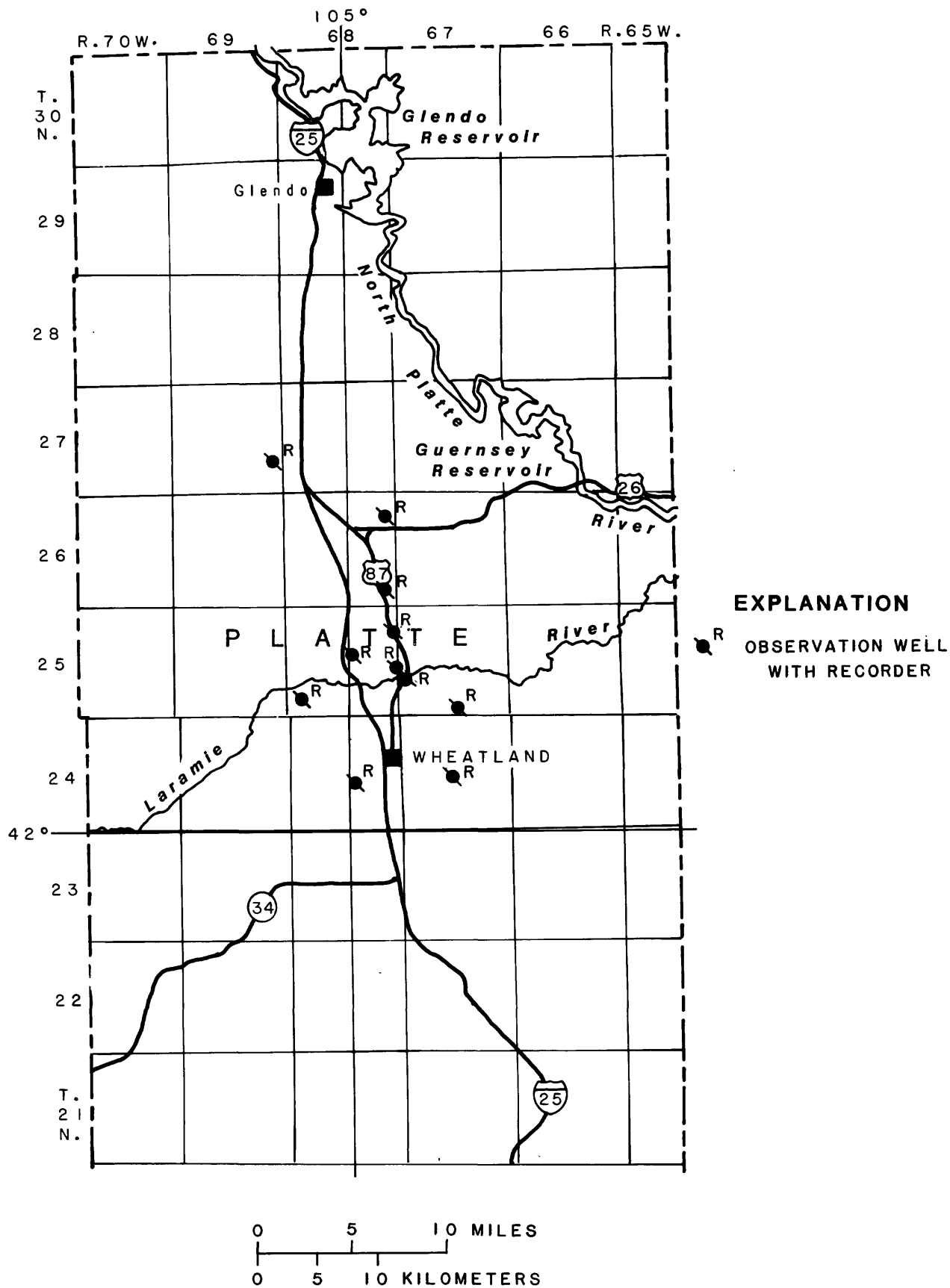


Figure 13.--Location of observation wells in Platte County, Wyoming.

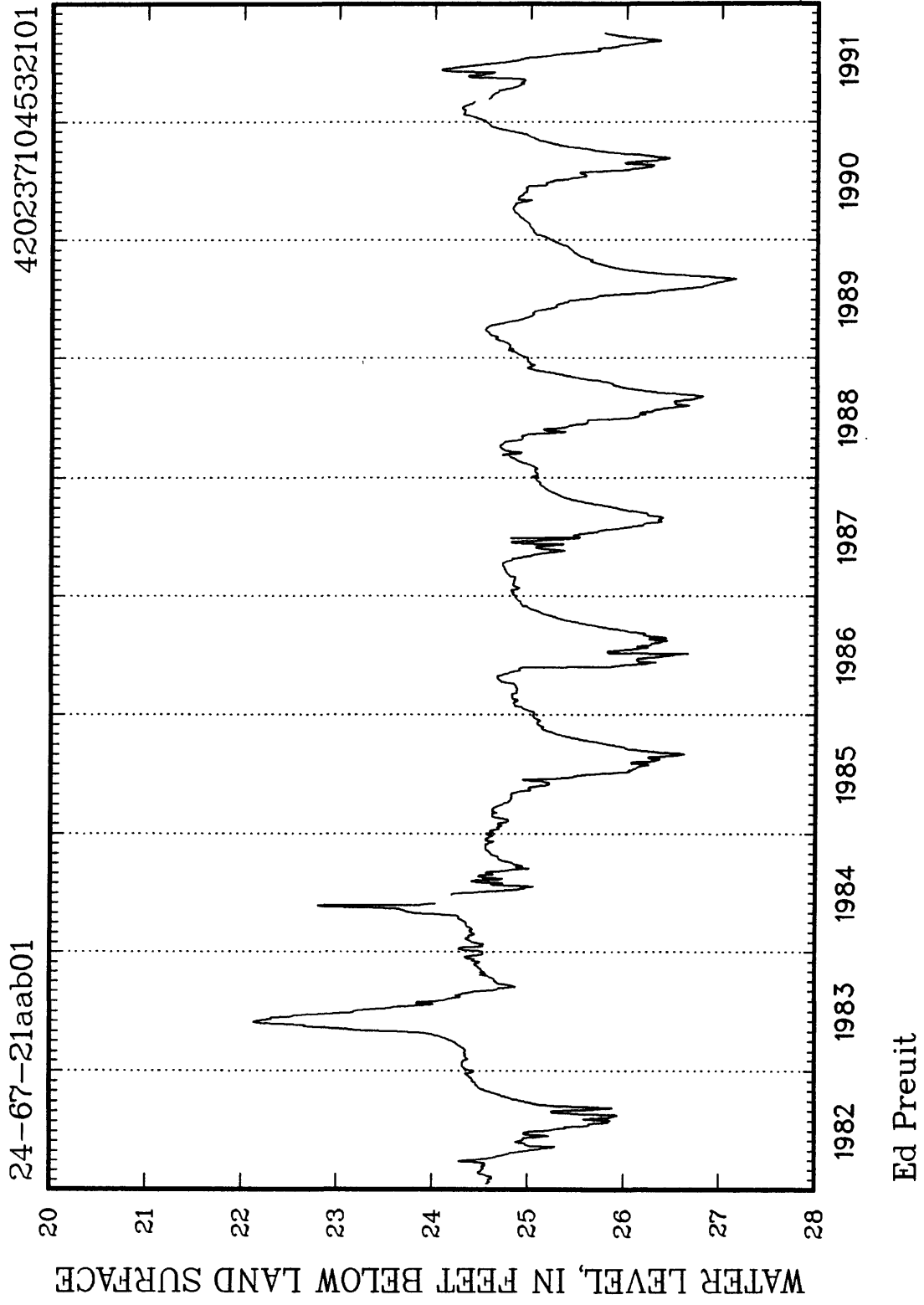
Records of observation wells in Platte County, Wyoming, and highest and lowest recorded water levels, in feet below land surface.

Well number	Well depth (feet)	Use of water	Principal geologic source	Record available (year)	Water levels			
					Highest		Lowest	
					Level (feet)	Month-year	Level (feet)	Month-year
24-67-21aab01	41	U	111ALVM	1979-91	121.93	05-79	27.15	09-89
24-68-22aab02	200	U	122ARKR	1988-91	70.95	06-88	87.04	07-91
25-67-19dda01	760	U	122ARKR	1979-91	47.88	11-85	81.04	07-85
25-67-34ccd01	380	U	122ARKR	1980-91	79.49	08-87	87.35	09-80
25-68-12dda01	100	U	122ARKR	1980-91	13.30	06-84	22.60	09-90
25-68-15bbd01	220	U	122ARKR	1980-91	42.50	02-81	101.44	08-91
25-68-24aad01	240	U	122ARKR	1980-91	69.44	04-88	72.11	04-81
25-68-31aaa01	400	U	122ARKR	1979-91	20.13	11-86	33.50	09-89
26-68-12cbd01	320	U	122ARKR	1980-91	131.70	06-91	153.20	10-80
26-68-36bbb01	200	U	122ARKR	1981-91	145.23	05-88	153.41	08-82
27-69-25abc01	200	U	123WRVR	1981-91	1.63	10-88	27.03	05-82

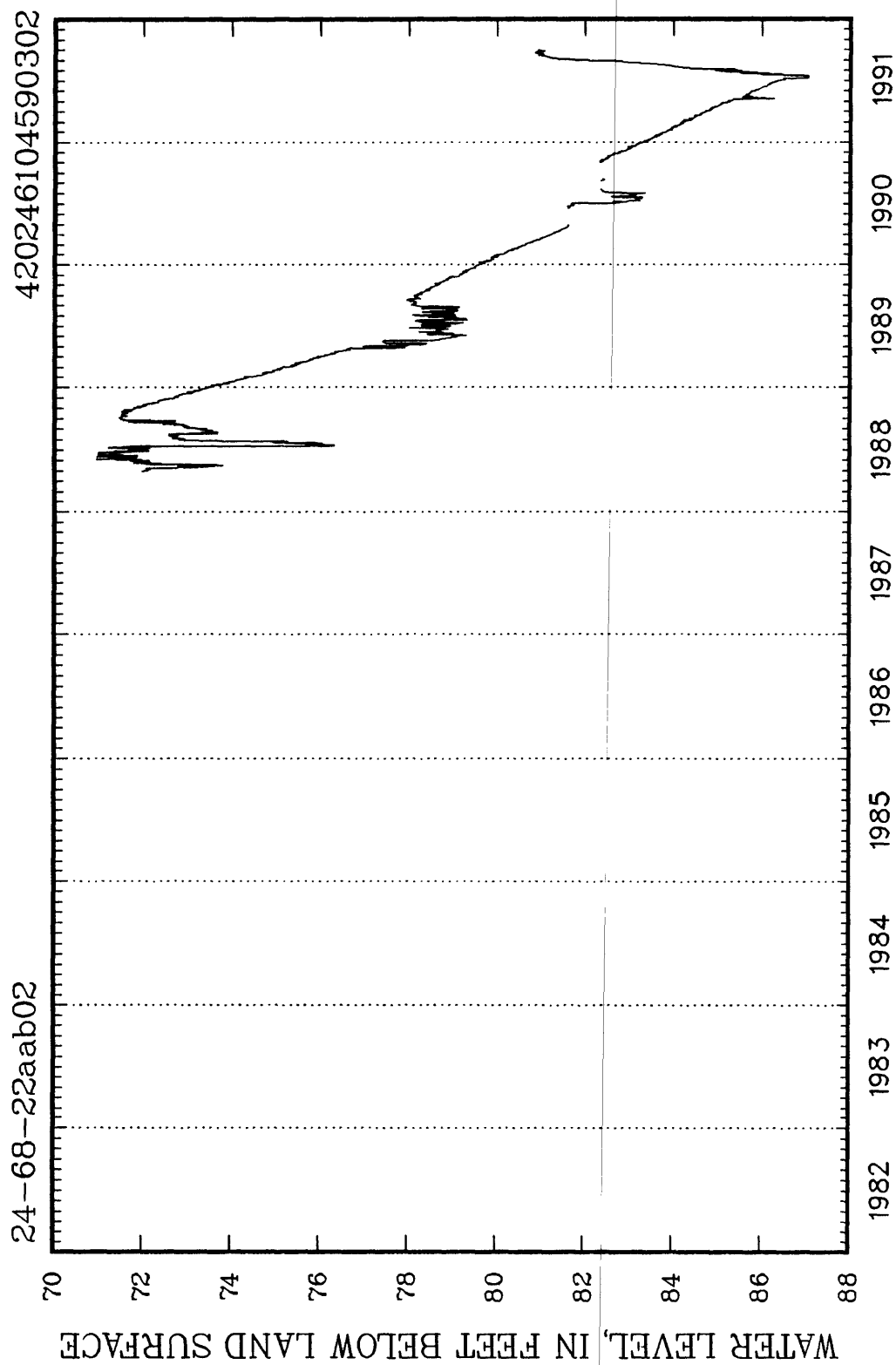
<sup>1</sup> From hand-measured data.



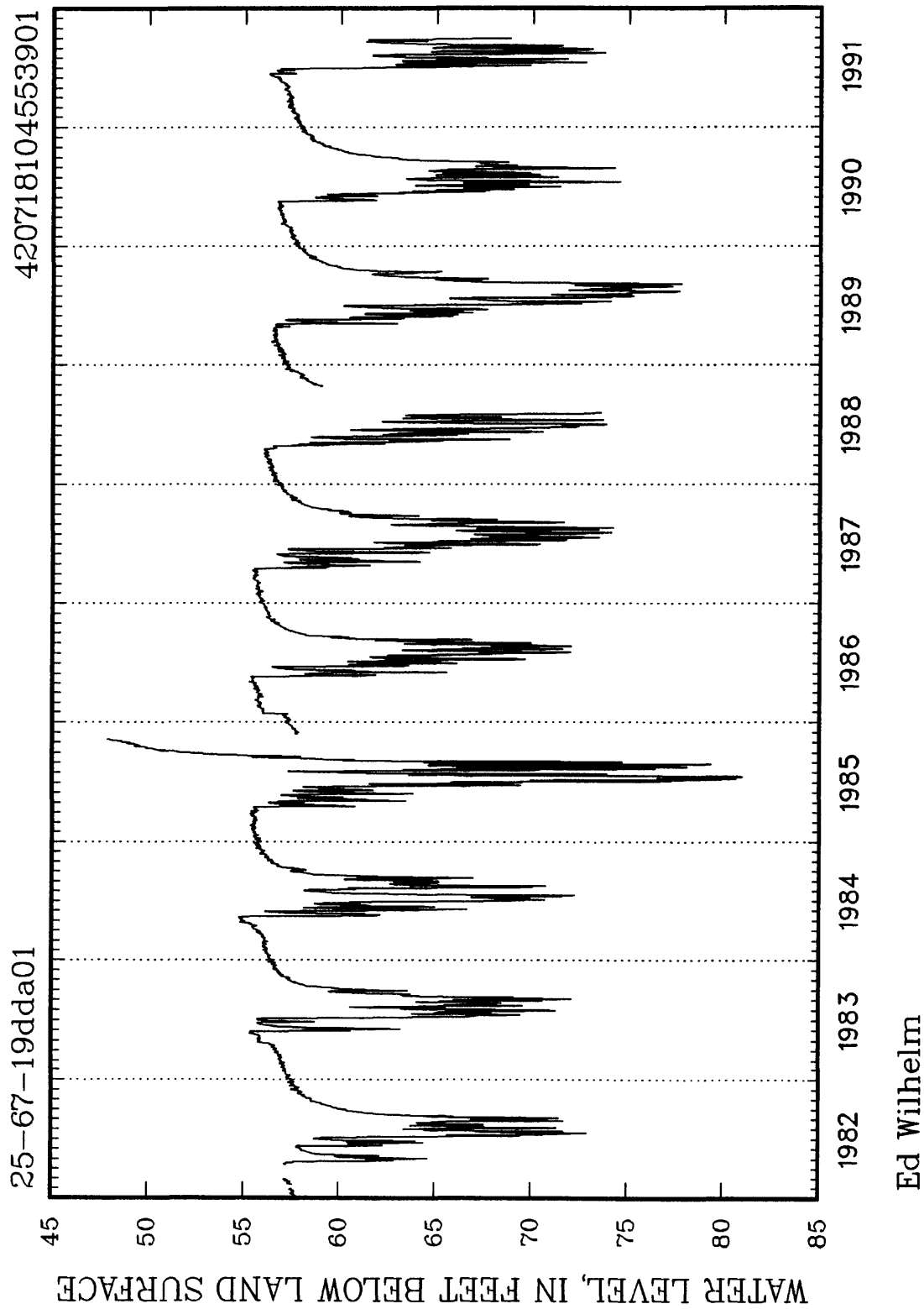
PLATTE COUNTY



PLATTE COUNTY



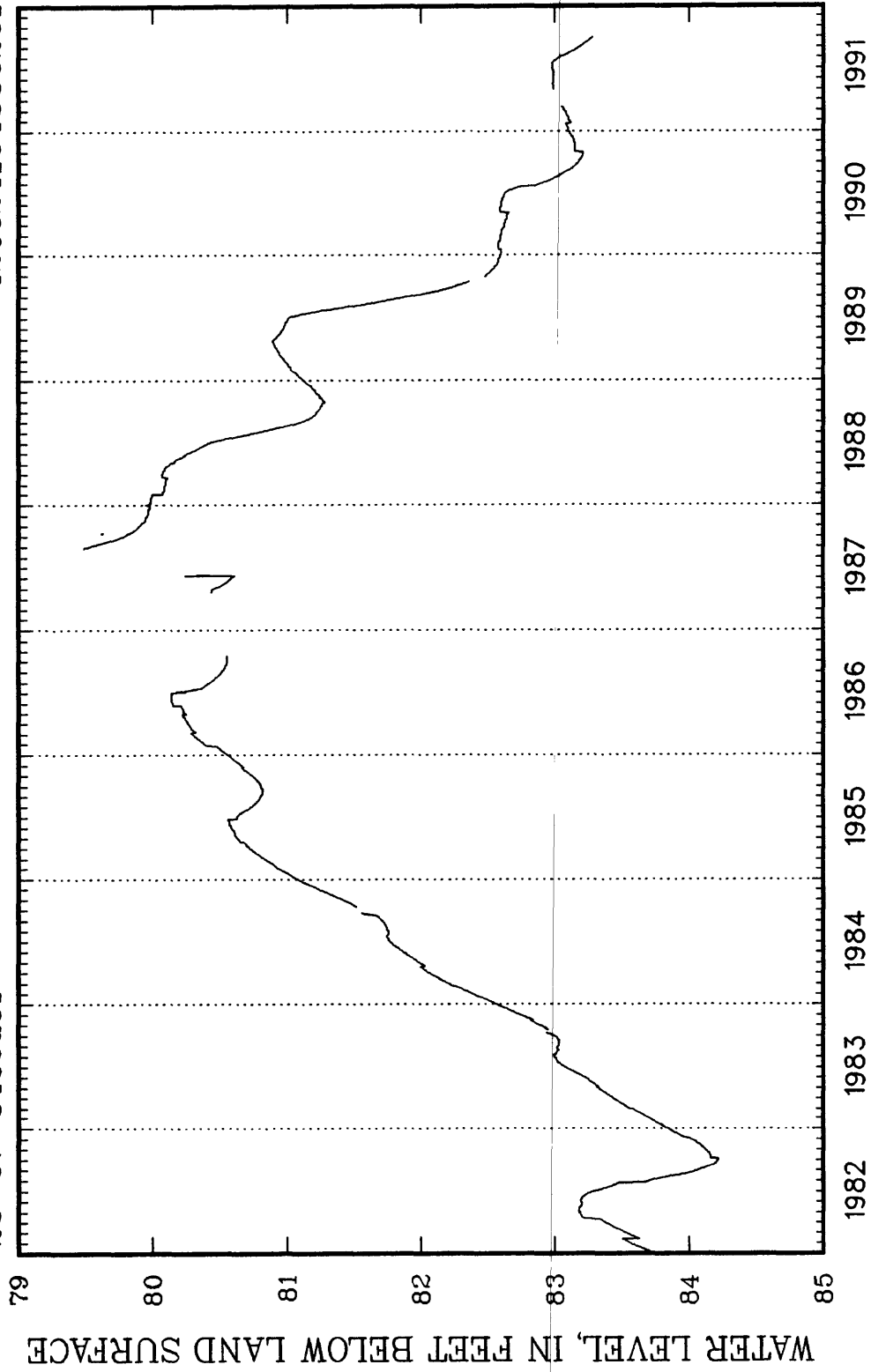
PLATTE COUNTY



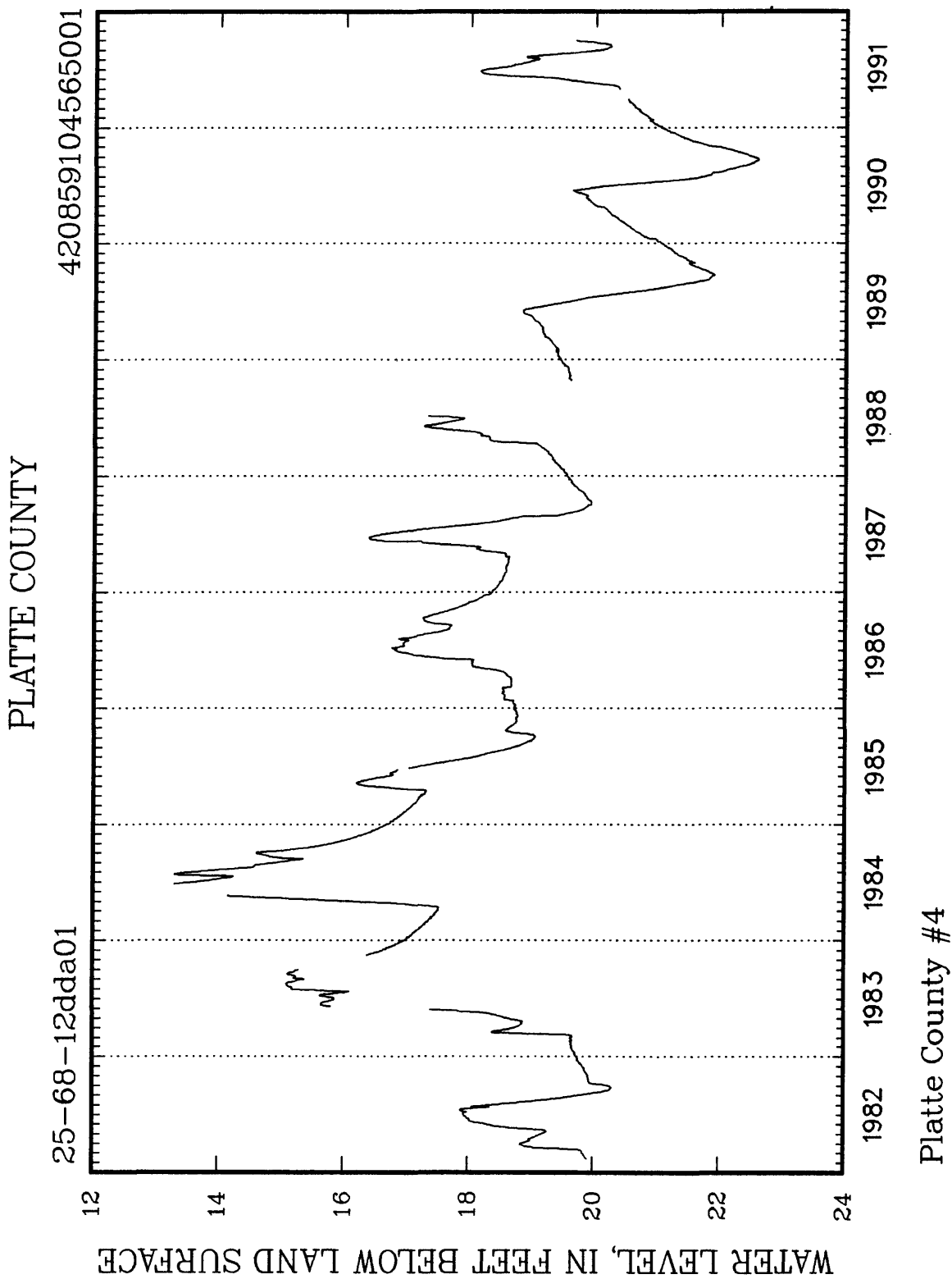
PLATTE COUNTY

25-67-34ccd01

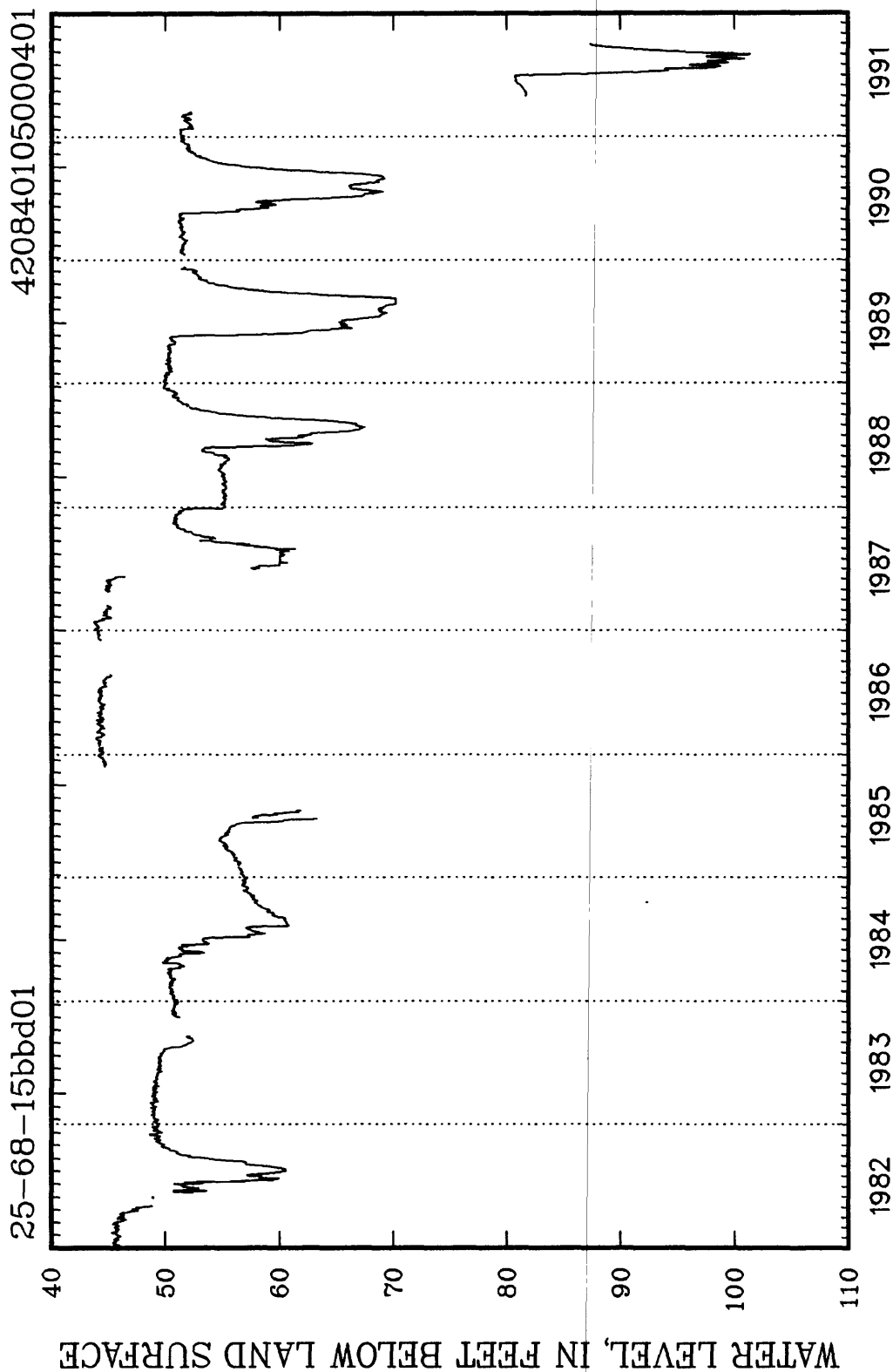
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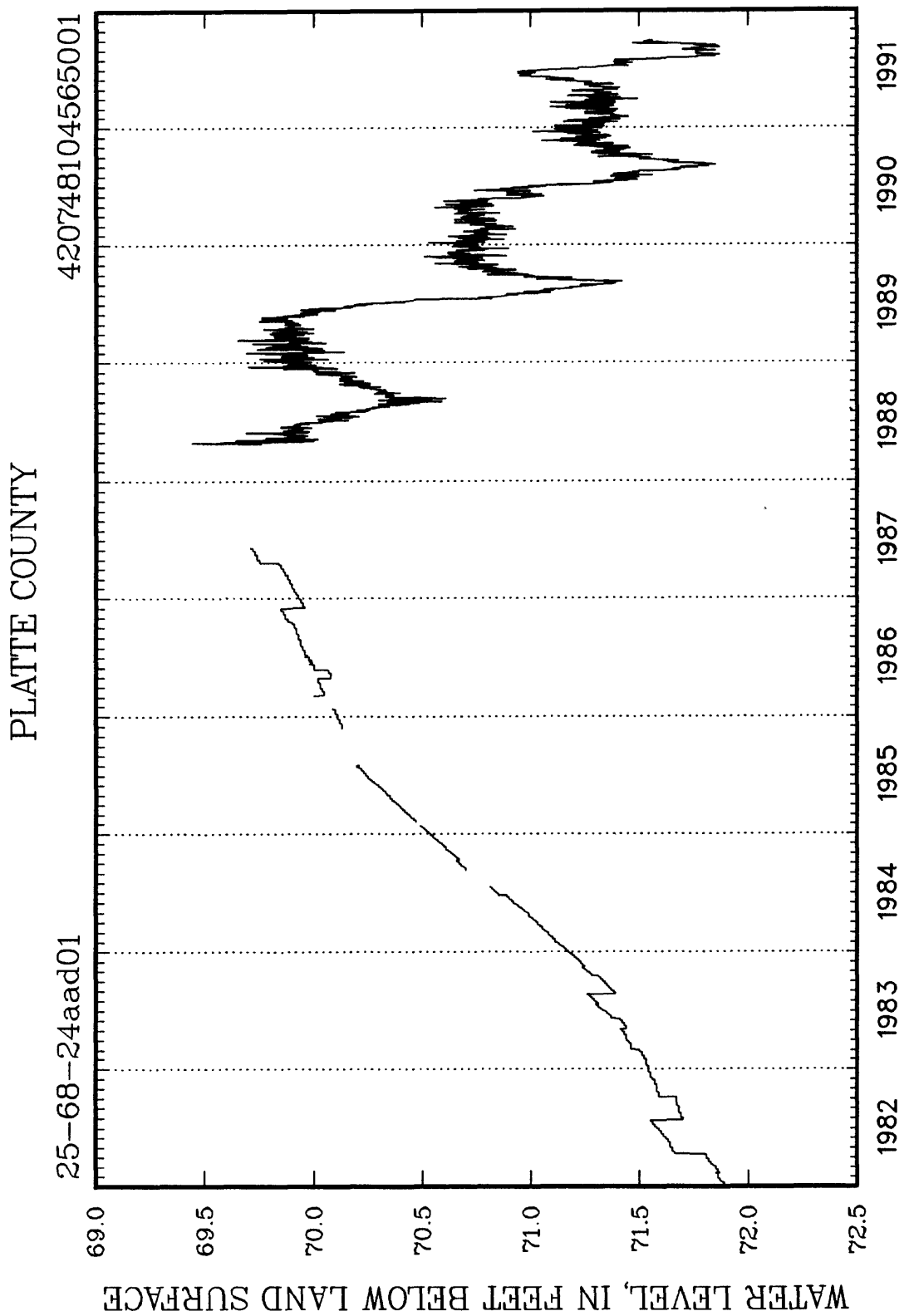
Platte County #2



# PLATTE COUNTY

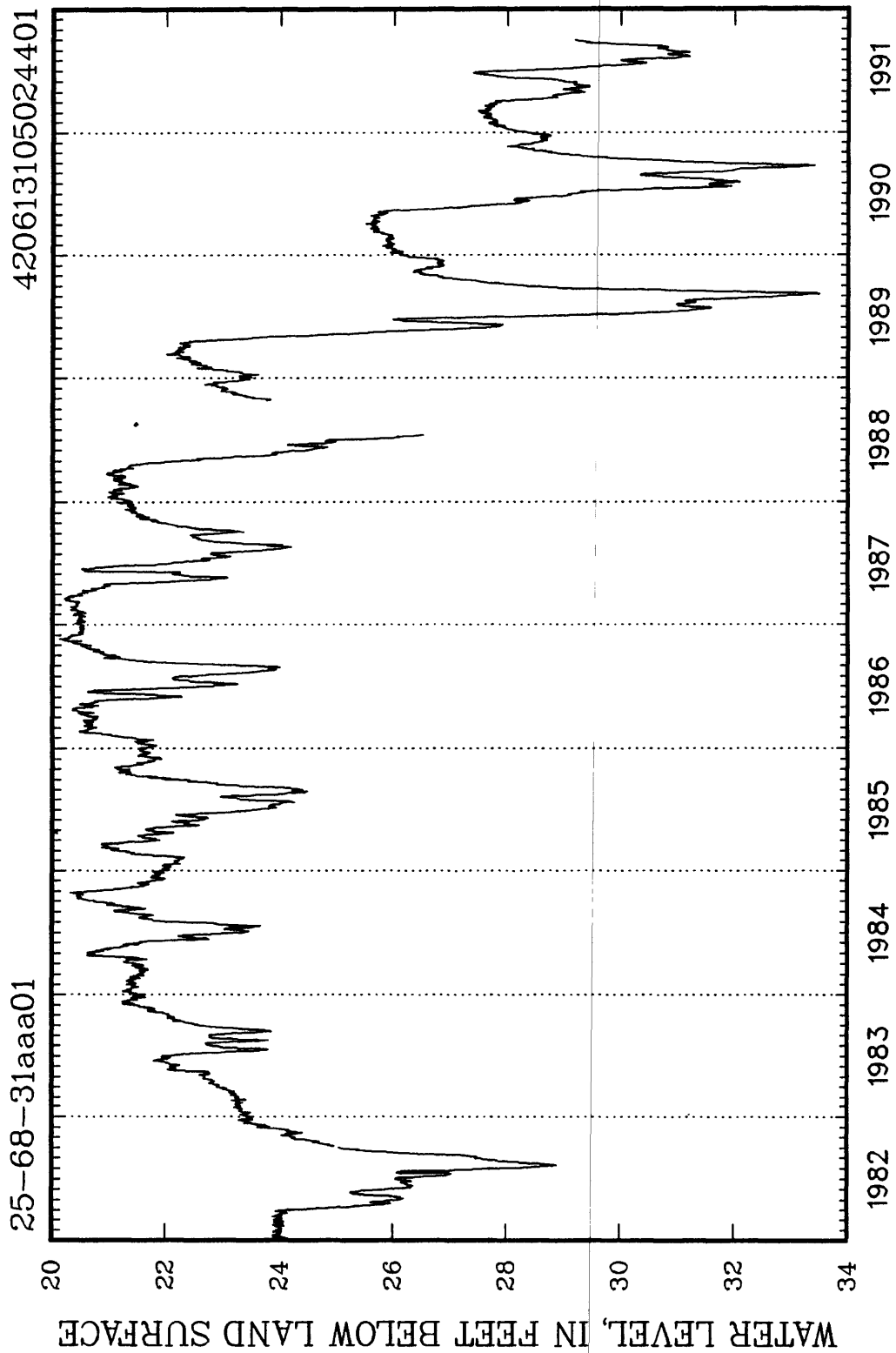


Platte County #6  
Record questionable prior to April 1991. Data affected by poor  
hydraulic connection between aquifer and well.



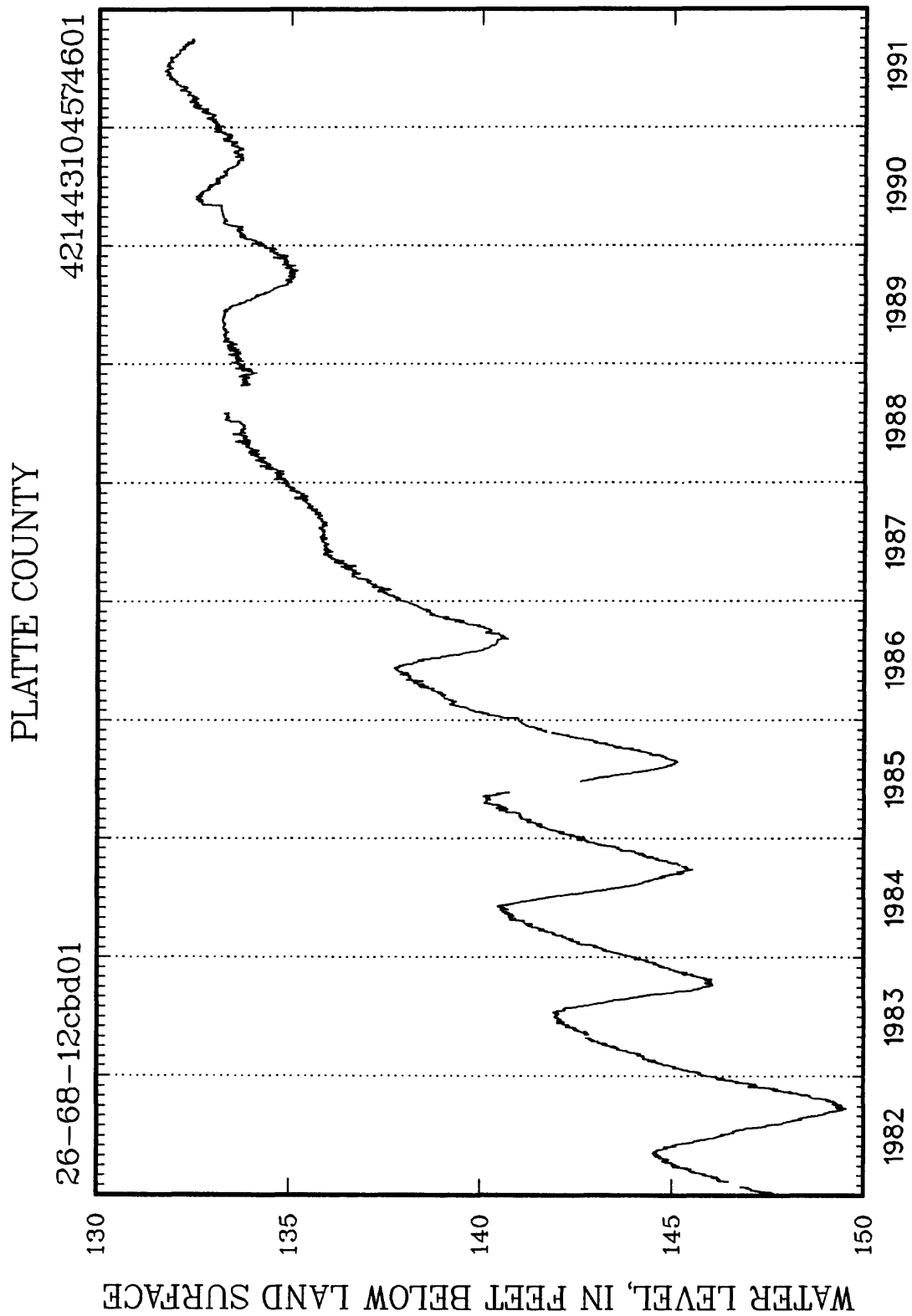
Platte County #3  
 Record questionable prior to April 1988. Data affected by poor hydraulic connection between aquifer and well.

PLATTE COUNTY



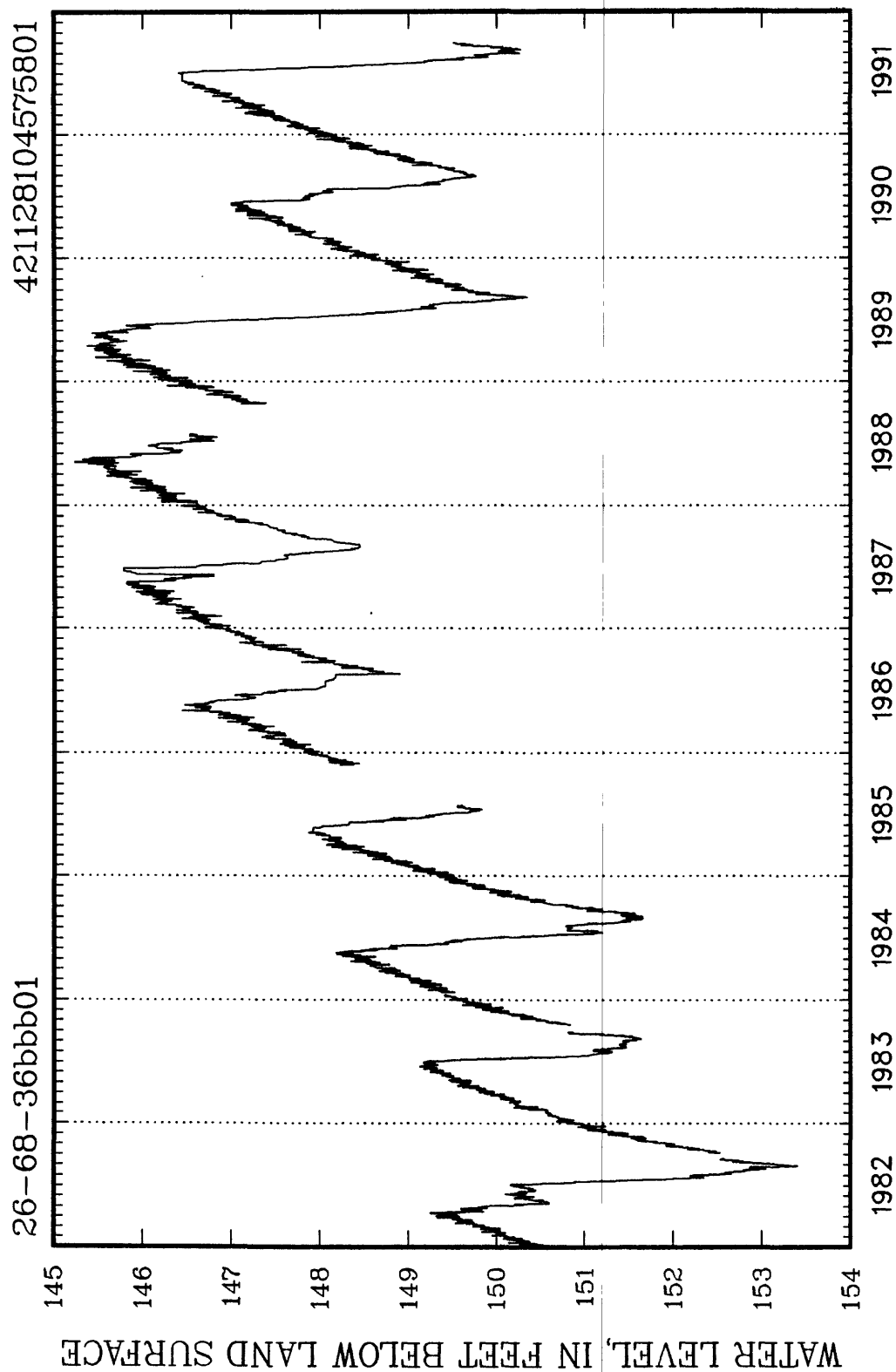
Platte County #7





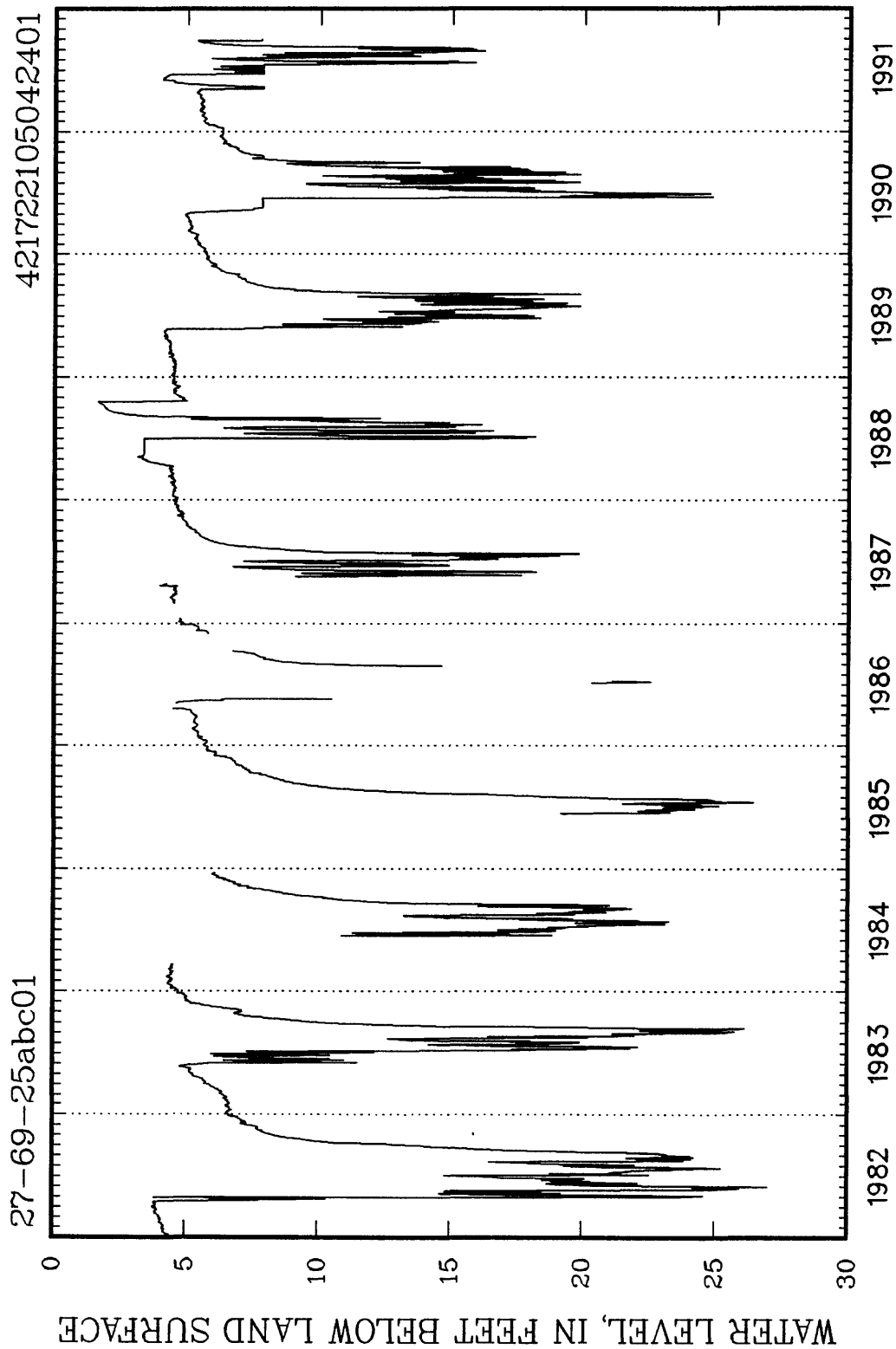
E. Rutherford

PLATTE COUNTY



Platte County #5

PLATTE COUNTY



Cottonwood Creek #1

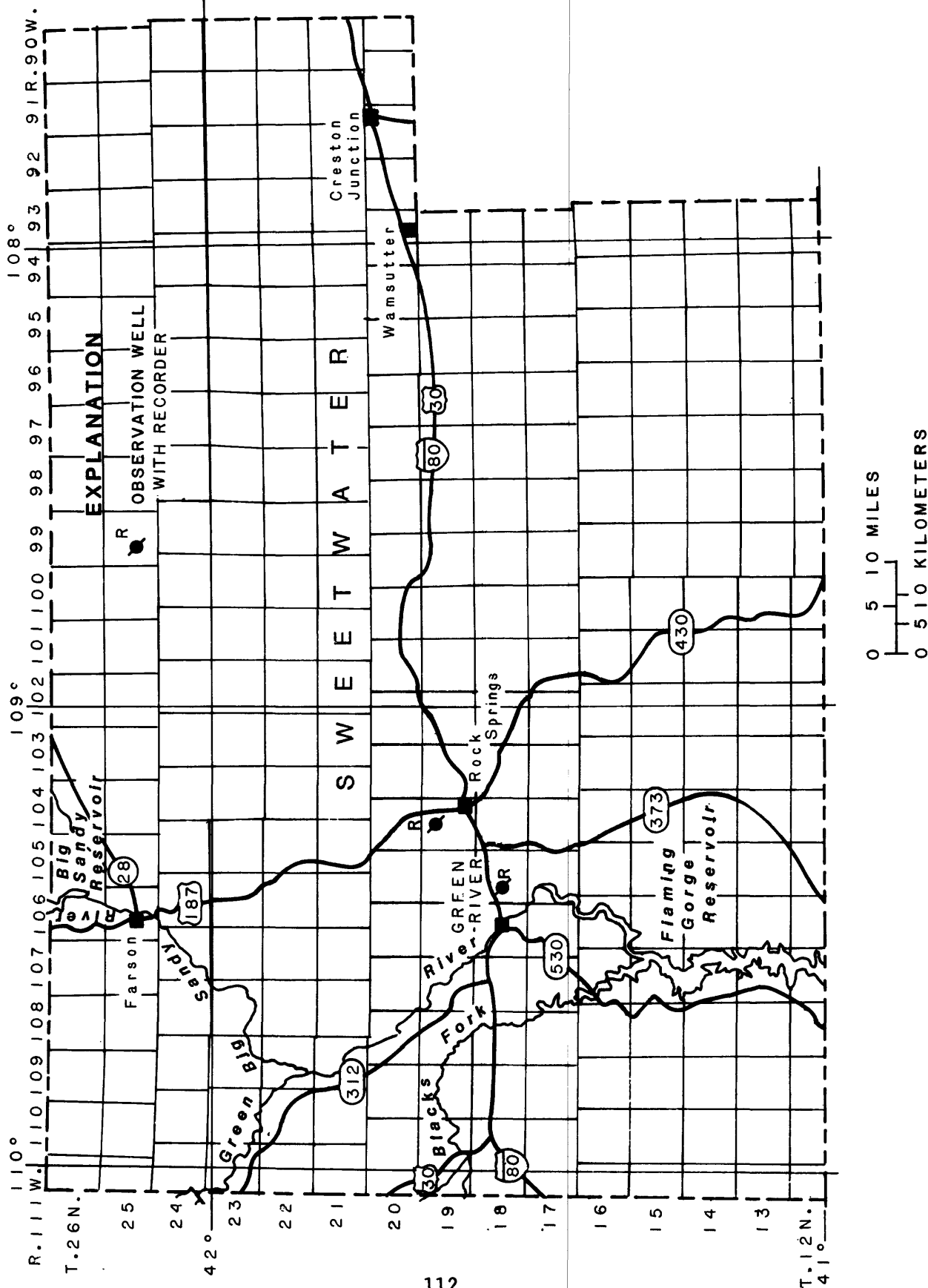
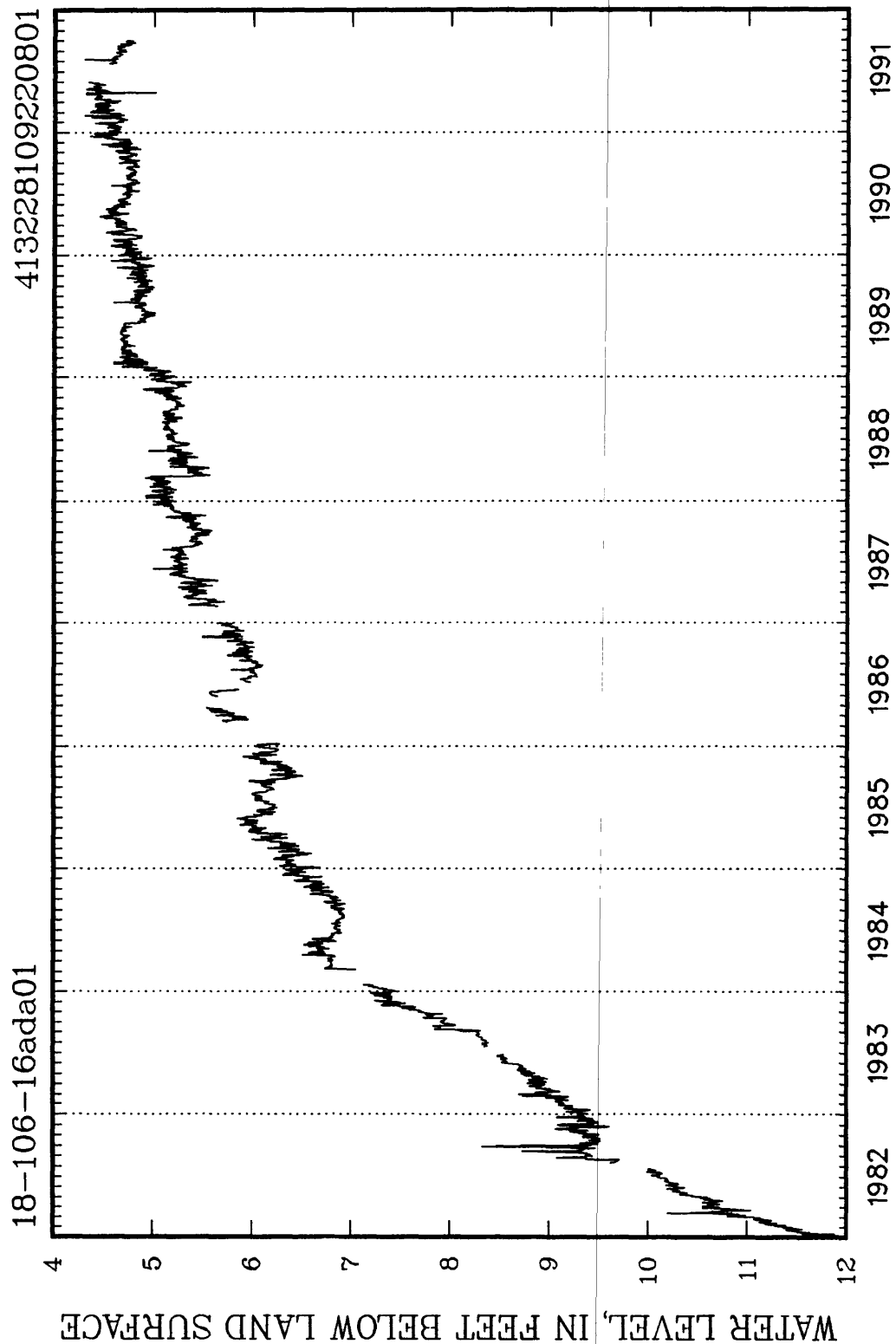


Figure 14.--Location of observation wells in Sweetwater County, Wyoming.

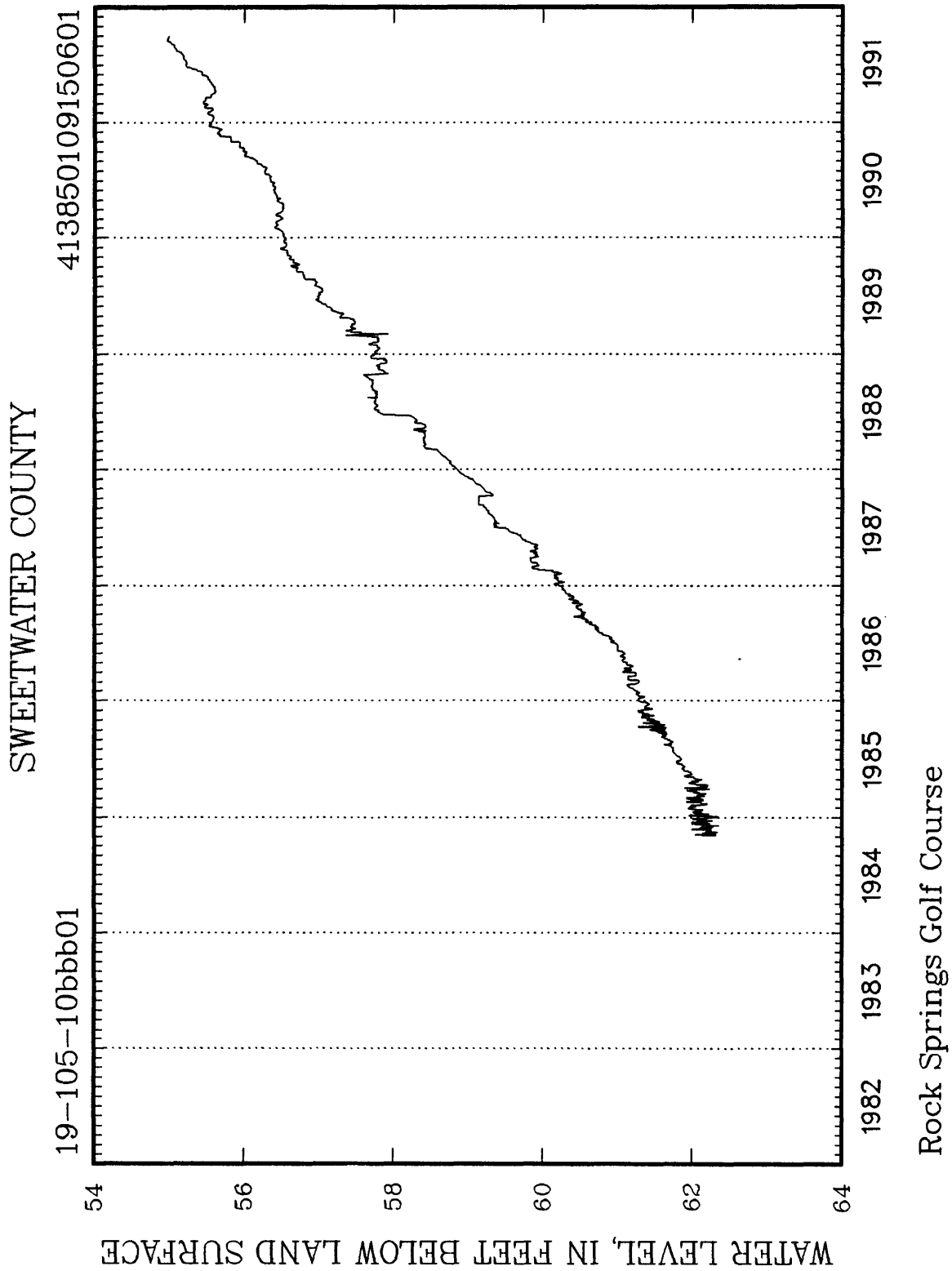
Records of observation wells in Sweetwater County, Wyoming, and highest and lowest recorded water levels, in feet below land surface.

Well number	Well depth (feet)	Use of water	Principal geologic source	Record available (year)	Water levels			
					Highest Level (feet)	Month-year	Lowest Level (feet)	Month-year
18-106-16ada01	1,030	U	124WSTC	1981-91	4.30	02-91, 08-91	12.97	12-81
19-105-10bbb01	240	U	--	1984-91	54.97	09-91	62.36	12-84

SWEETWATER COUNTY



Green River Oil Shale



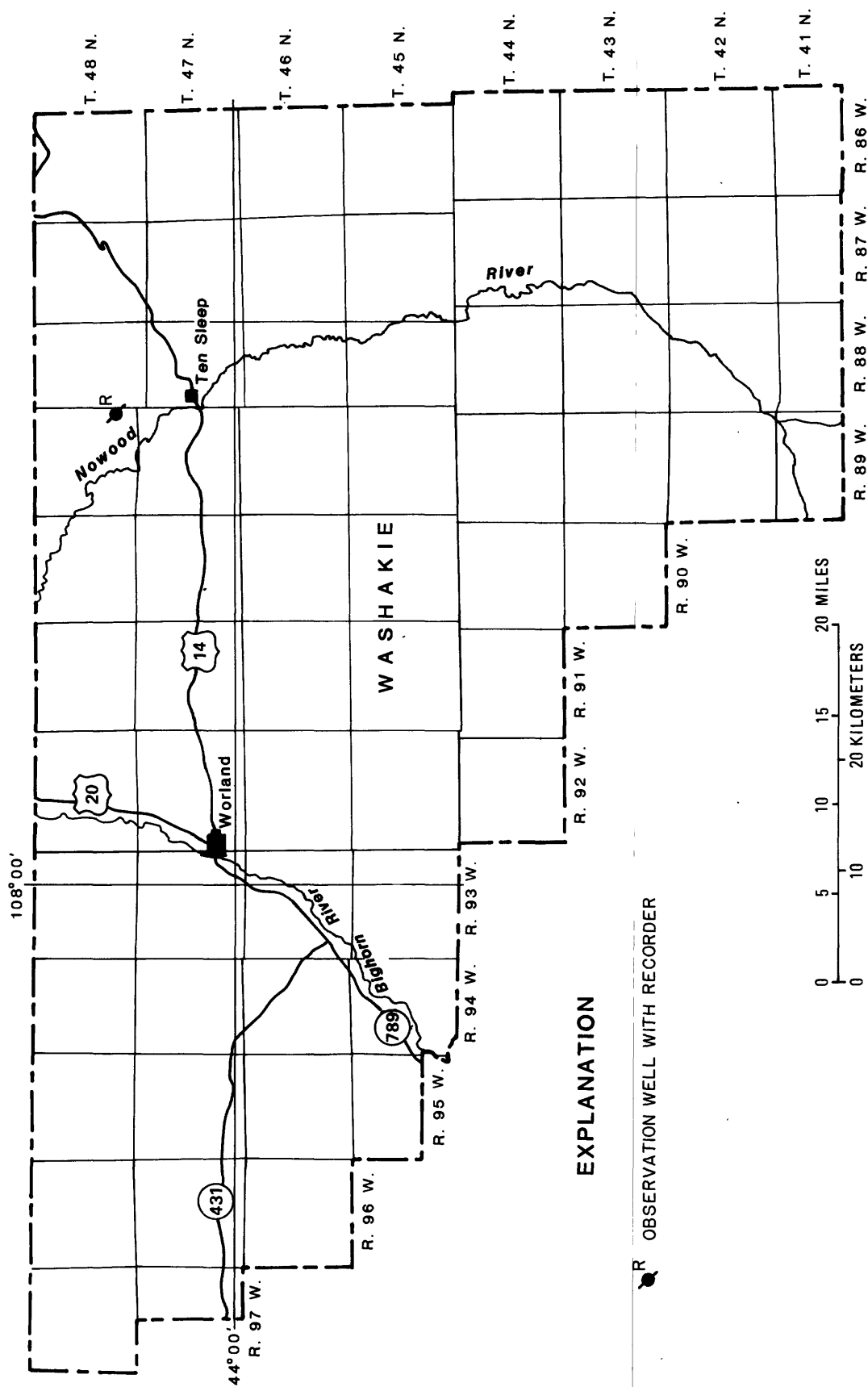


Figure 15.--Location of observation well in Washakie County, Wyoming.



Record of observation well in Washakie County, Wyoming, and highest and lowest recorded water levels, in feet above land surface.

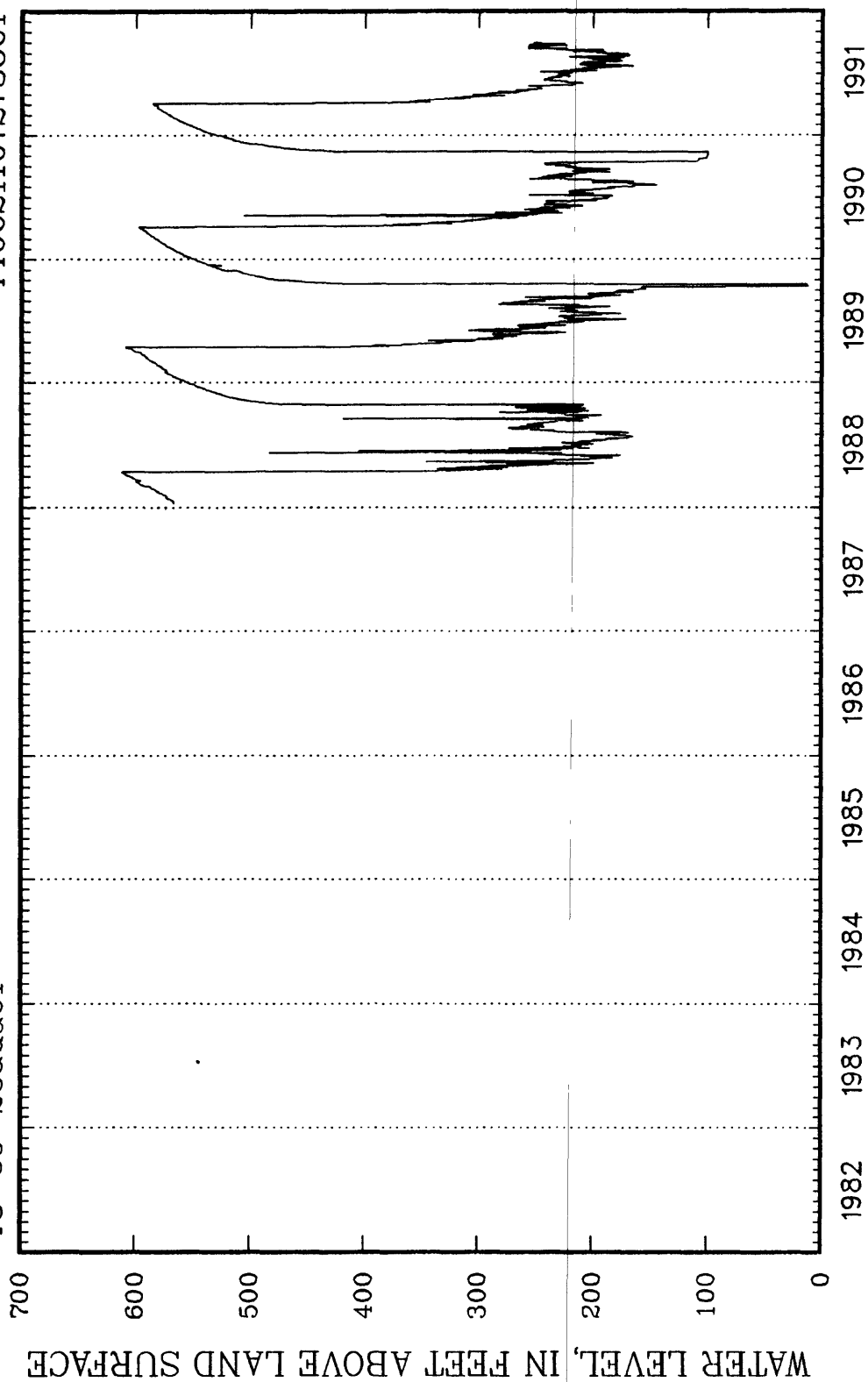
Well number	Well depth (feet)	Use of water	Principal geologic source	Record available (year)	Water levels			
					Highest		Lowest	
					Level (feet)	Month-year	Level (feet)	Month-year
48-89-25ada01	2,287	I	374FLTD	1988-91	1612.20	04-88	111.90	10-89

<sup>1</sup> Artesian well, water level is shut-in pressure converted to feet above land surface by multiplying pounds per square inch times 2.31.

WASHAKIE COUNTY

48-89-25ada01

440621107273801



Mills

Artesian well, vertical axis is feet above land surface.

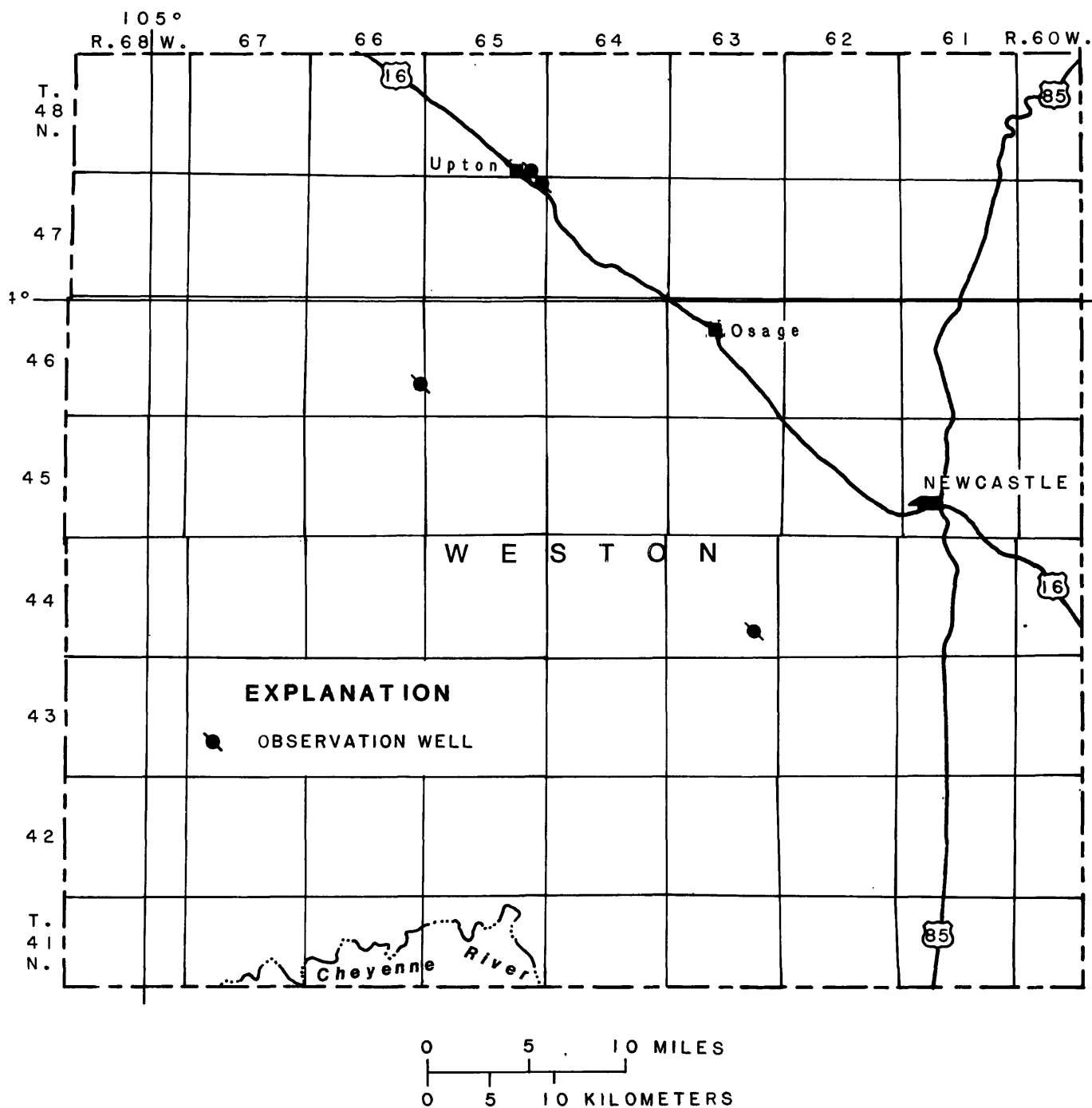


Figure 16.--Location of observation wells in Weston County, Wyoming.

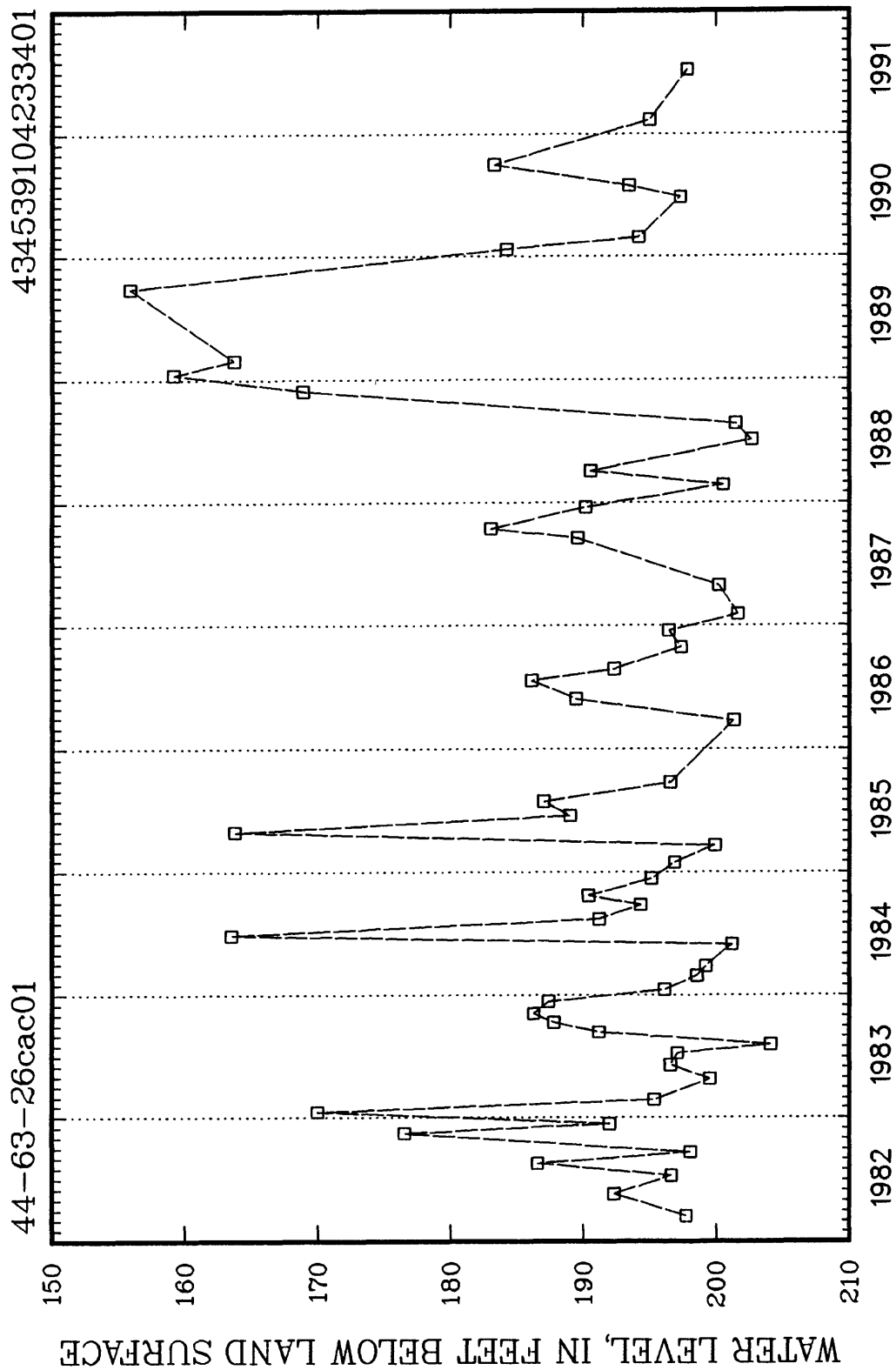
Records of observation wells in Weston County, Wyoming, and highest and lowest recorded water levels, in feet below land surface.

Well number	Well depth (feet)	Use of water	Principal geologic source	Record available (year)	Water levels			
					Highest Level (feet)	Month-year	Lowest Level (feet)	Month-year
44-63-26cac01	6,881	H,S,I	33IMDSN	1982-91	<sup>1</sup> 155.89	09-89	<sup>1</sup> 2204.10	08-83
46-66-25dbb01	8,780	U	33IMDSN	1982-91	<sup>1</sup> 1,005.29	11-88, 03-89, 07-91	<sup>1</sup> 1,081.75	09-85
47-65-01bab01	3,310	P	33IMDSN	1983-84, 1988, 1990	<sup>1</sup> 53.54	04-83	<sup>1</sup> 2200.45	08-88
48-65-35ccb01	3,193	P	33IMDSN	1982-91	<sup>1</sup> 10.20	03-86	<sup>1</sup> 2225.43	07-90

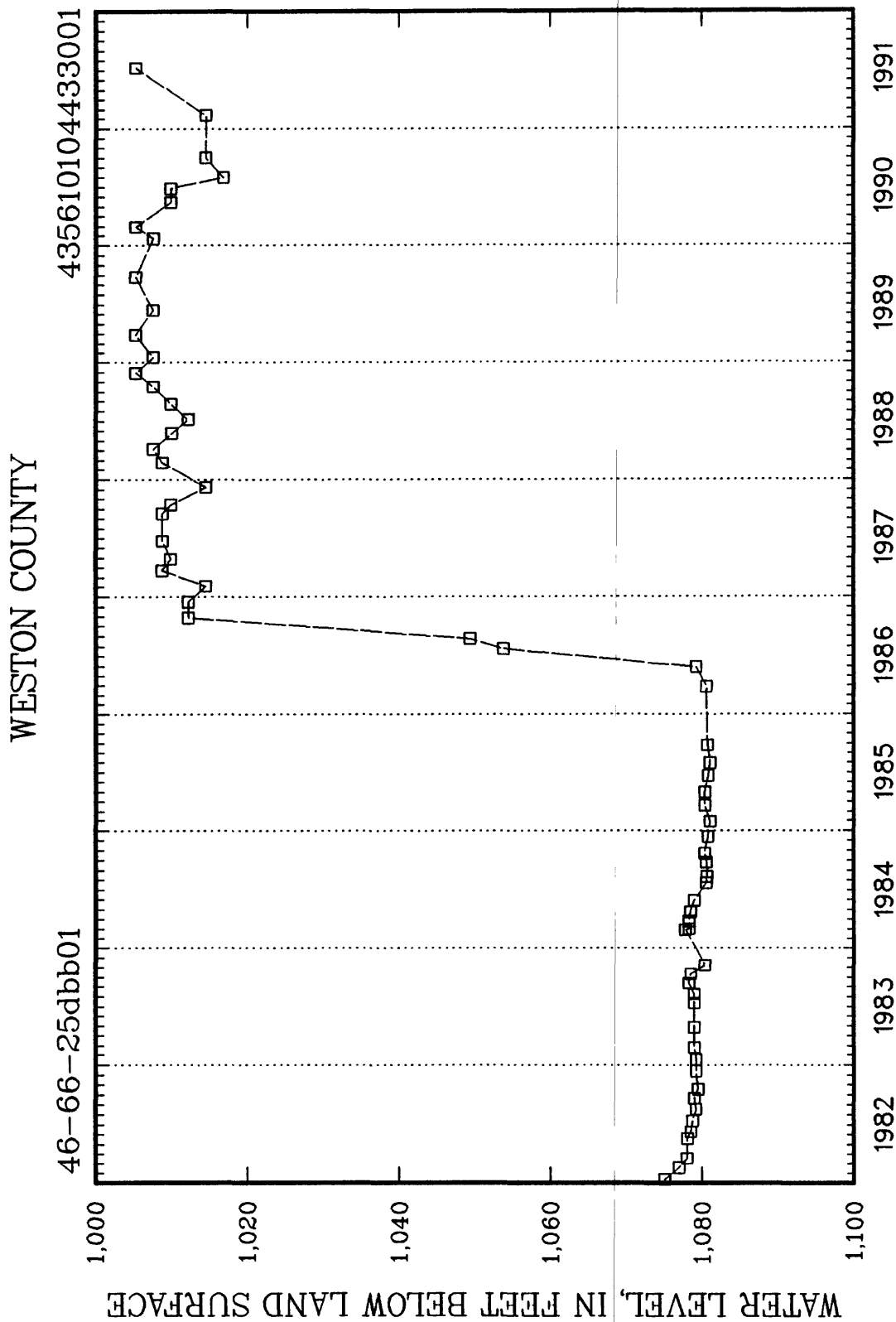
<sup>1</sup> From hand-measured data.

<sup>2</sup> Well being pumped.

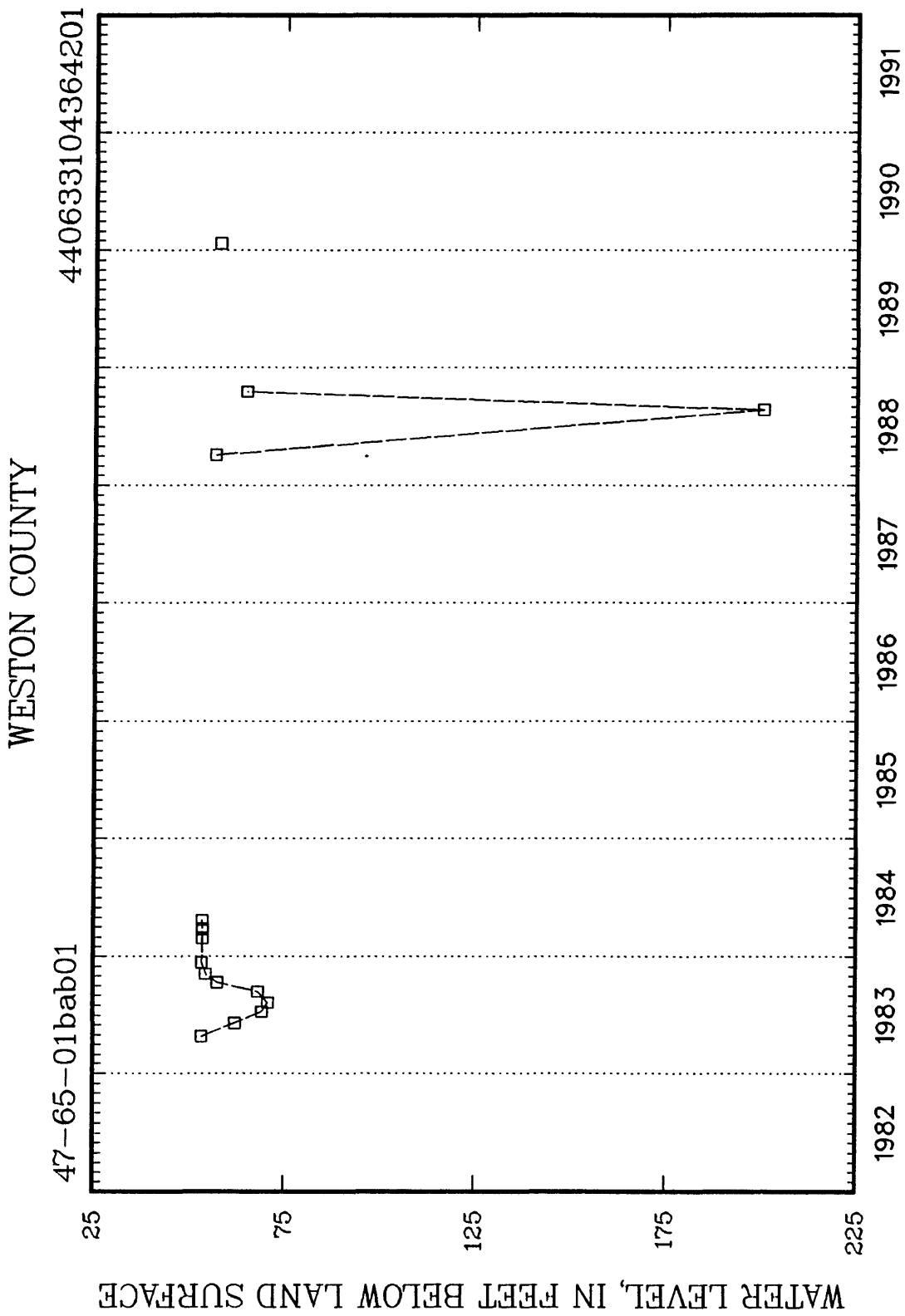
# WESTON COUNTY



Townsend Well  
Data reflect static and pumping water levels.

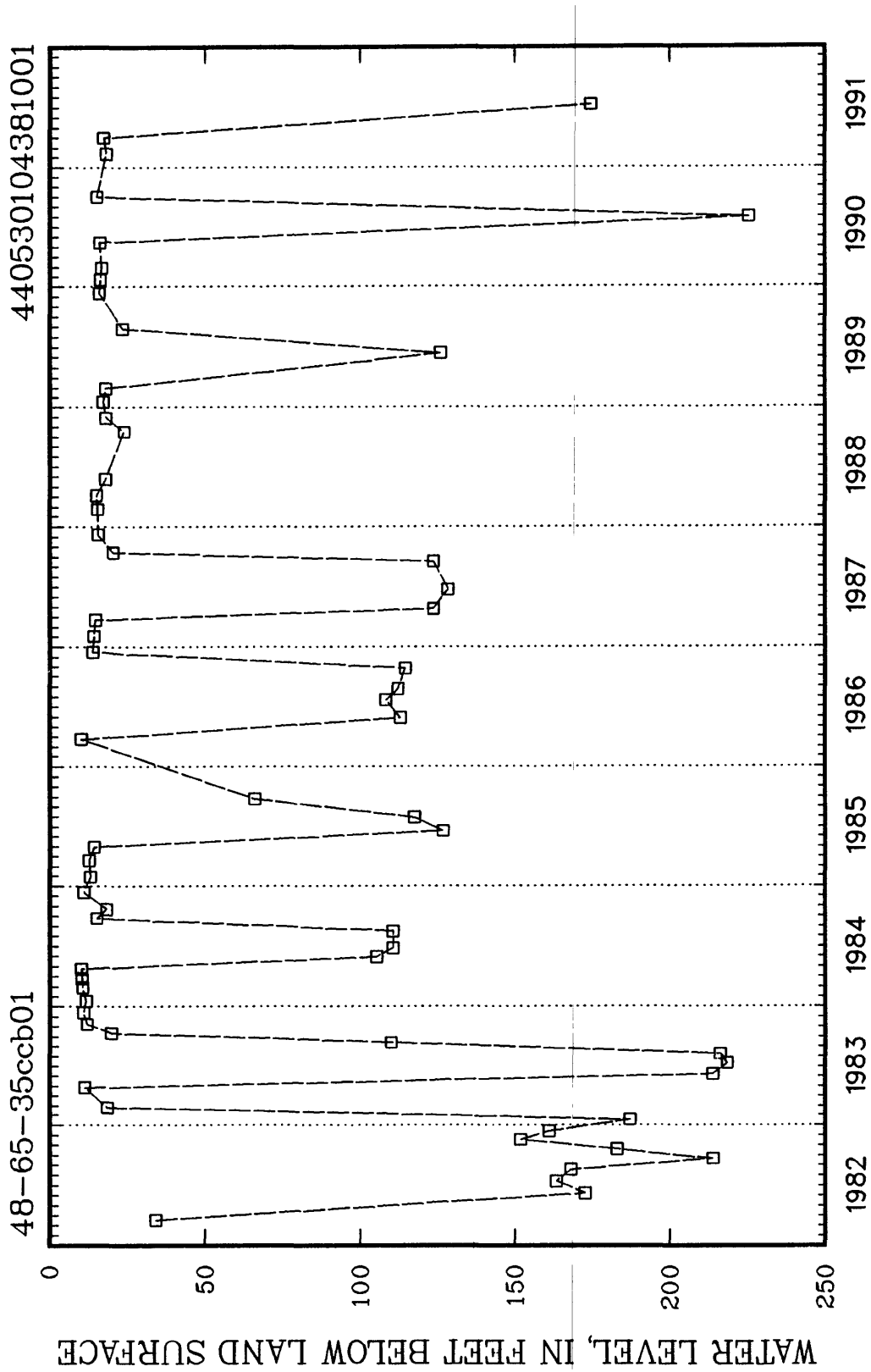


Terra Resources Madison  
Data reflect static condition and pumping of water—flood  
system nearby.



Town of Upton #6  
Data reflect static and pumping water levels.

# WESTON COUNTY



Town of Upton #4  
Data reflect static and pumping water levels.