

TEXAS BOARD OF WATER ENGINEERS

Durwood Manford, Chairman
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O. F. Dent, Member

BULLETIN 6103

ANNUAL WATER-LEVEL MEASUREMENTS
IN OBSERVATION WELLS
NORTHERN HIGH PLAINS, TEXAS
1960 AND 1961

Compiled by
Robert C. Lucas
Geologist

Ground Water Division
Texas Board of Water Engineers

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ANNUAL WATER - LEVEL MEASUREMENTS
 IN OBSERVATION WELLS
 NORTHERN HIGH PLAINS , TEXAS
 1960 AND 1961

INTRODUCTION

This report presents a tabulation of annual water-level measurements made in selected wells in eight counties of the Northern High Plains of Texas. The measurements were made during the first four months of 1960 and the first two months of 1961. The change in water level from 1960 to 1961 determined for individual wells is included in the tabulation. A map showing the area covered by the report is shown on page 3. County maps also are included to show locations of observation wells for which water-level data are given and the numbers that have been assigned to the wells.

A program for measuring static water levels in observation wells in the Northern High Plains was begun in 1936. From 1936 to 1941 most of the wells measured were in irrigated areas in Northwest Dallam County. During World War II and until 1950, only a few measurements were made. The observation well program has been enlarged progressively since 1950. It now provides records of changes in water levels where large quantities of ground water have been developed for irrigation, industrial and municipal use. During January and February 1961, annual water-level measurements were made in 352 wells used for observation purposes. The number of wells measured in each county during the first two months of 1961 is given in the following table:

County	Number of wells in which water- level measure- ments were made in 1961	County	Number of wells in which water- level measure- ments were made in 1961
Dallam	65	Lipscomp	4
Hansford	67	Moore	63
Hartley	31	Ochiltree	28
Hutchinson	27	Sherman	67

Annual water-level measurements are made during the first few months of the year because at this time of year the water levels have generally recovered from the major part of the effects of pumping during the previous irrigation season. Therefore, the measurements of static water levels obtained can be compared with the measurements of previous years to determine changes that have occurred. Changes in water levels reflect changes in the amount of

ground water in storage and are related to recharge, which is primarily from precipitation, and to discharge, which is primarily by pumping for irrigation.

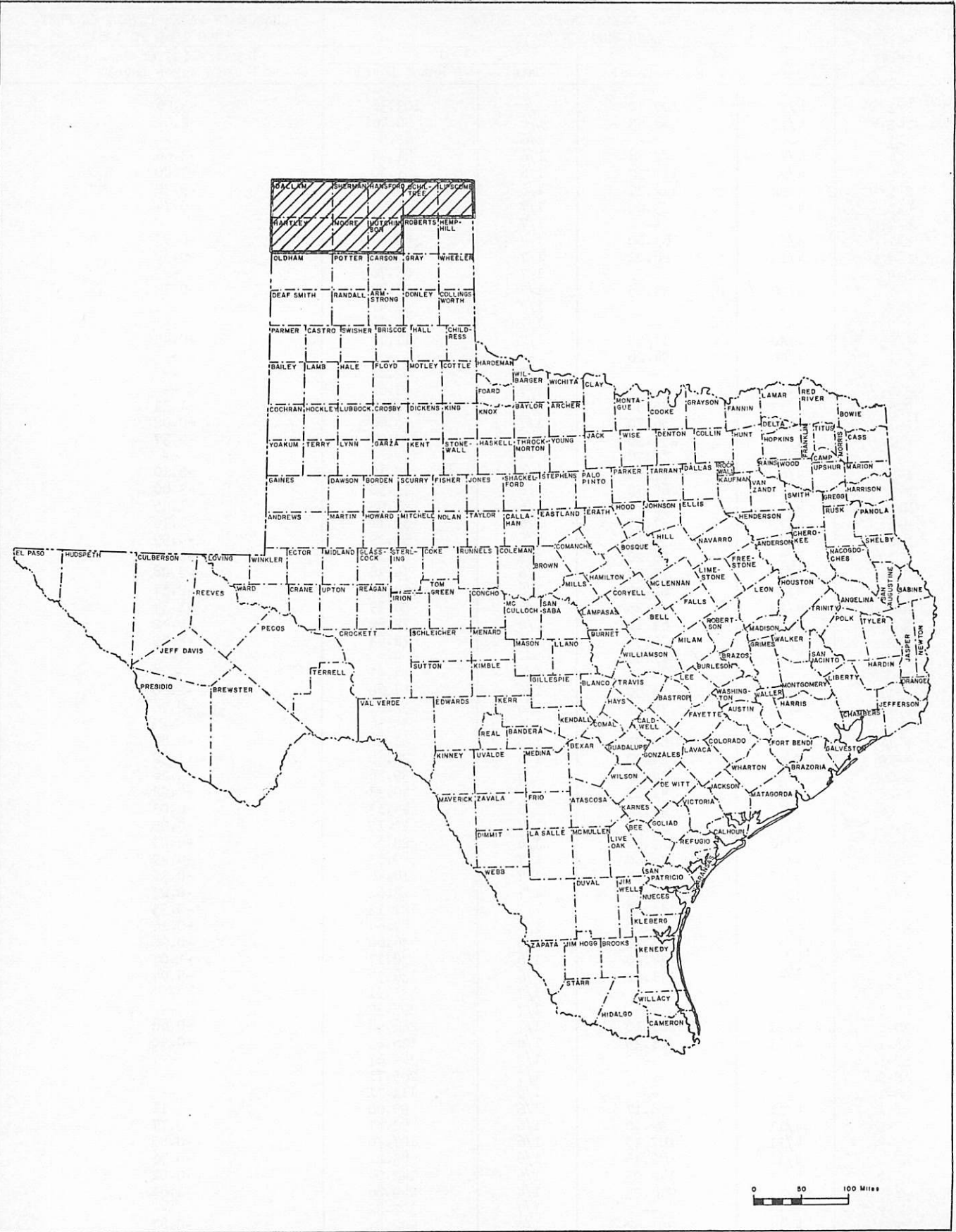
As a part of a cooperative program with the North High Plains Ground Water Conservation District No. 2 and the Texas Board of Water Engineers, water levels in observation wells in all eight counties were measured by personnel of the U. S. Geological Survey in 1960. In 1961, Mr. Delbert Timmons, Field Representative of the North Plains Ground Water Conservation District No. 2, and Mr. W. H. Alexander, Jr., Geologist of the U. S. Geological Survey, measured water levels in the observation wells in Hansford, Hartley, Hutchinson, Moore, Ochiltree, and Sherman Counties. Water levels in observation wells in the two remaining counties, Dallam and Lipscomb, were measured by Mr. Russell Mount, Engineer of the Texas Board of Water Engineers.

TABLE 1

Water levels in observation wells in 1960 and 1961. The table shows the water level in feet above datum for each well in each county during the two years. The number of wells measured in each county during the two years is given in the following table.

The number of wells measured in each county during the two years is given in the following table.

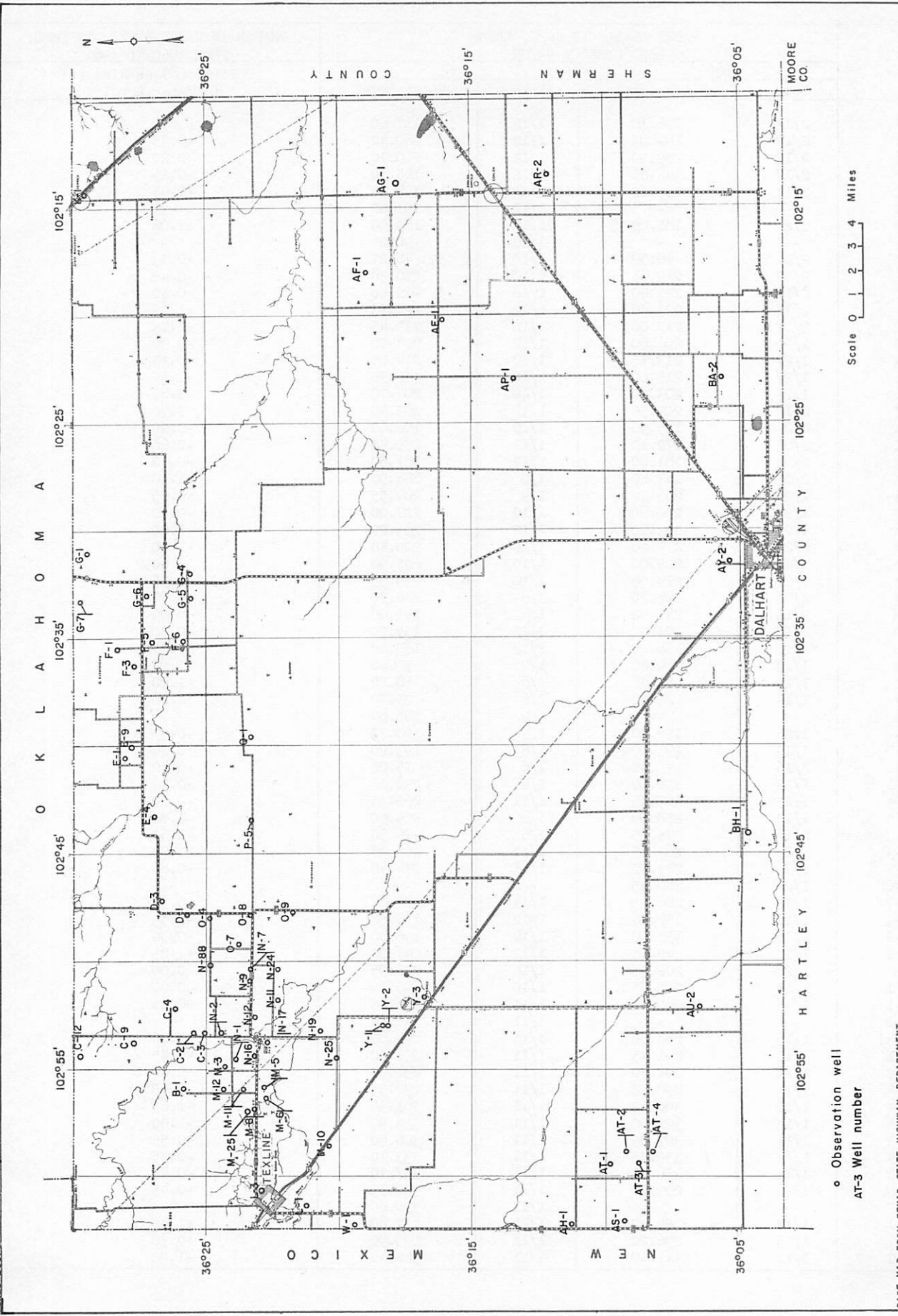
County	Number of wells measured in 1960	Number of wells measured in 1961
Hansford	1	1
Hartley	1	1
Hutchinson	1	1
Moore	1	1
Ochiltree	1	1
Sherman	1	1
Dallam	1	1
Lipscomb	1	1



MAP OF TEXAS SHOWING LOCATION OF AREA COVERED BY THIS REPORT

WATER-LEVEL MEASUREMENTS IN DALLAM COUNTY

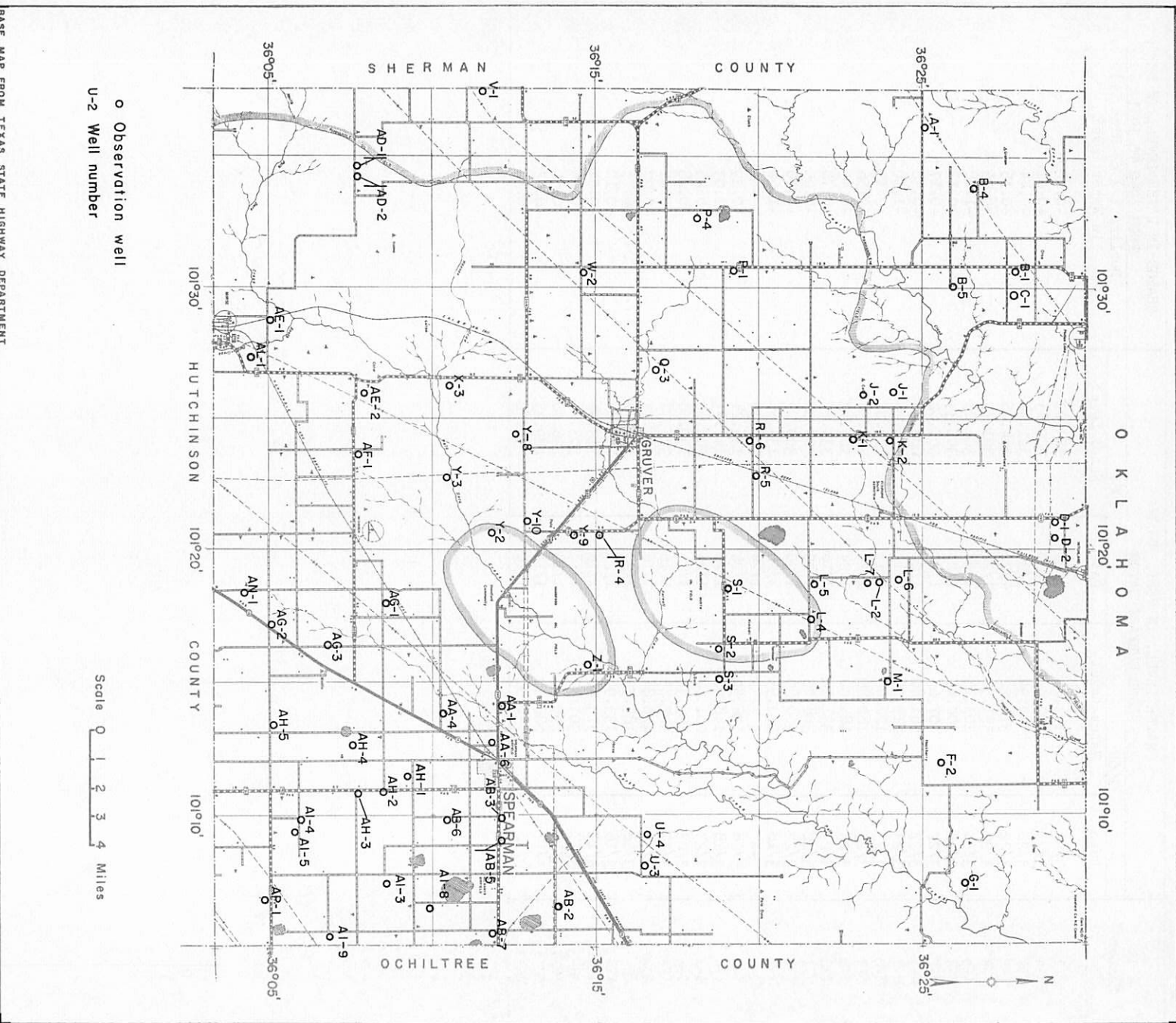
Well Number	WATER LEVEL, IN FEET, BELOW LAND SURFACE DATUM				CHANGE IN WATER LEVEL, IN FEET, FROM 1960 TO 1961 Decline (-) or Rise (+) in Water Level
	1960		1961		
	Date	Water Level	Date	Water Level	
B-1	4/7	100.30	1/6	103.36	-3.06
C-2	4/7	48.45	1/6	50.46	-2.01
C-3	--	--	1/6	62.54	--
C-4	4/7	77.78	1/6	81.44	-3.66
C-9	4/22	117.50	1/6	121.30	-3.80
C-12	4/22	142.20	1/6	147.50	-5.30
D-1	4/13	3.80	1/7	4.54	-0.74
D-3	--	--	1/7	20.52	--
E-1	4/13	63.50	1/7	64.43	-0.93
E-4	4/13	28.00	1/7	28.32	-0.32
E-9	--	--	1/7	66.70	--
F-1	4/20	33.55	1/7	33.88	-0.33
F-3	--	--	1/7	52.47	--
F-5	--	--	1/7	41.29	--
F-6	4/20	11/45	1/7	11.02	+0.43
G-1	4/20	74.20	--	--	--
G-4	--	--	1/7	52.88	--
G-5	--	--	1/7	63.62	--
G-6	4/13	55.50	1/7	56.83	-1.33
G-7	4/20	56.70	1/7	56.68	+0.02
K-1	4/21	254.90	1/7	257.27	-2.37
L-1	4/6	80.78	--	--	--
L-3	4/6	77.00	1/5	79.10	-2.10
M-3	4/7	69.70	1/6	73.50	-3.80
M-5	4/7	55.70	1/6	56.95	-1.25
M-6	4/7	57.35	1/6	59.11	-1.76
M-8	4/7	54.10	1/6	55.09	-0.99
M-10	4/6	56.20	1/5	56.24	-0.04
M-11	4/7	73.30	1/6	75.38	-2.08
M-12	4/7	61.00	1/6	63.57	-2.57
M-25	4/22	55.25	1/6	56.59	-1.34
N-1	4/7	67.10	1/6	72.52	-5.42
N-2	4/7	70.54	1/6	72.93	-2.39
N-7	4/12	41.00	--	--	--
N-9	--	--	1/6	53.91	--
N-11	4/12	55.80	1/6	58.60	-2.80
N-12	4/12	72.35	1/6	72.61	-0.26
N-16	--	--	1/6	59.54	--
N-17	4/7	60.75	1/6	61.62	-0.87
N-19	4/6	24.00	1/6	22.68	+1.32
N-24	4/12	38.30	1/6	39.56	-1.26
N-25	4/6	41.15	1/6	40.93	+0.22
N-88	4/13	44.10	1/6	44.13	-0.03
O-4	4/12	10.20	1/7	11.15	-0.95
O-7	4/12	29.40	1/6	29.17	+0.23
O-8	4/12	48.60	1/7	49.03	-0.43
O-9	4/13	18.15	1/7	18.46	-0.31
P-5	4/22	13.40	1/7	13.63	-0.23
Q-1	4/20	126.80	1/7	127.13	-0.33
W-1	4/6	88.00	1/6	87.84	+0.16
Y-1	4/6	35.70	1/6	36.68	-0.98
Y-2	4/6	37.10	1/6	38.17	-1.07
Y-3	4/6	131.60	1/6	136.34	-5.04
AE-1	--	--	1/7	331.51	--
AF-1	--	--	1/7	295.39	--
AG-1	4/21	266.10	1/7	266.98	-0.88
AH-1	4/11	126.35	1/6	126.05	+0.30
AP-1	--	--	1/7	349.67	--
AR-2	--	--	1/7	285.71	--
AS-1	--	--	1/6	111.71	--
AT-1	4/11	98.17	1/6	99.28	-1.11
AT-2	4/11	92.10	1/6	92.87	-0.77
AT-3	4/11	107.15	1/6	107.70	-0.55
AT-4	4/11	82.45	1/6	83.21	-0.76
AU-2	4/11	142.05	1/6	142.04	+0.01
AY-2	4/11	248.25	1/4	249.86	-1.61
BA-2	--	--	1/7	302.32	--
BH-1	4/11	201.67	1/6	202.54	-0.87



LOCATIONS OF OBSERVATION WELLS IN DALLAM COUNTY

WATER-LEVEL MEASUREMENTS IN HANSFORD COUNTY

Well Number	WATER LEVEL, IN FEET, BELOW LAND SURFACE DATUM				CHANGE IN WATER LEVEL, IN FEET, FROM 1960 TO 1961	
	1960		1961		Decline (-) or Rise (+) in Water Level	
	Date	Water Level	Date	Water Level		
A-1	2/17	136.10	1/12	137.60	-1.50	
B-1	2/17	189.05	1/12	189.40	-0.35	
B-4	2/17	209.90	1/12	210.10	-0.20	
B-5	2/17	184.85	1/12	185.10	-0.25	
C-1	2/17	195.20	1/12	194.55	+0.65	
D-1	--	--	1/10	191.00	--	
D-2	2/2	188.00	1/10	189.00	-1.00	
F-2	--	--	1/10	190.25	--	
G-1	2/2	48.50	1/10	48.27	+0.23	
J-1	2/17	219.85	1/10	220.30	-0.45	
J-2	2/17	221.90	1/10	222.40	-0.50	
K-1	2/17	223.40	1/10	224.53	-1.13	
K-2	2/17	213.00	1/10	213.45	-0.45	
L-2	1/26	206.80	1/10	207.70	-0.90	
L-4	1/27	213.75	1/10	214.05	-0.30	
L-5	1/27	215.00	1/10	216.30	-1.30	
L-6	1/27	203.90	1/10	204.70	-0.80	
L-7	1/27	202.50	1/10	203.40	-0.90	
M-1	2/2	185.90	1/10	186.80	-0.90	
P-1	2/25	179.10	1/12	179.70	-0.60	
P-4	2/25	181.00	1/12	181.50	-0.50	
Q-3	2/17	163.80	1/9	164.90	-1.10	
R-4	1/26	203.90	1/9	204.55	-0.65	
R-5	1/27	226.80	1/10	227.00	-0.20	
R-6	1/27	203.20	1/12	203.20	0.00	
S-1	2/2	219.20	1/10	220.40	-1.20	
S-2	1/27	225.00	1/10	225.90	-0.90	
S-3	1/27	219.00	1/10	219.55	-0.55	
U-3	2/16	246.10	1/6	246.70	-0.60	
U-4	2/16	241.00	1/6	241.00	0.00	
V-1	2/17	153.90	1/12	154.20	-0.30	
W-2	2/17	154.75	1/12	155.10	-0.35	
X-3	1/13	60.60	1/9	59.40	+1.20	
Y-2	1/13	59.70	1/6	58.50	+1.20	
Y-3	1/13	26.50	1/6	25.50	+1.00	
Y-8	--	--	1/9	186.00	--	
Y-9	1/26	198.20	1/9	198.73	-0.53	
Y-10	1/13	193.90	1/6	193.90	0.00	
Z-1	2/16	75.40	1/6	75.00	+0.40	
AA-1	1/13	238.00	1/6	238.10	-0.10	
AA-4	1/15	265.15	1/11	265.35	-0.20	
AA-6	1/13	258.90	1/6	259.60	-0.70	
AB-2	2/16	275.85	1/6	276.50	-0.65	
AB-3	1/26	267.65	1/11	268.35	-0.70	
AB-5	1/26	273.72	1/11	274.40	-0.68	
AB-6	1/26	280.35	--	--	--	
AB-7	1/12	286.35	1/11	286.85	-0.50	
AD-1	2/18	158.15	1/12	158.68	-0.53	
AD-2	2/18	156.00	1/12	156.50	-0.50	
AE-1	1/13	49.15	1/12	47.90	+1.25	
AE-2	1/26	202.95	1/10	202.95	0.00	
AF-1	1/15	205.85	1/10	205.85	0.00	
AG-1	1/15	280.60	1/11	281.15	-0.55	
AG-2	--	--	1/11	311.30	--	
AG-3	1/15	298.80	1/11	298.80	0.00	
AH-1	1/11	291.45	1/11	291.90	-0.45	
AH-2	1/11	294.70	1/11	294.70	0.00	
AH-3	1/11	298.50	1/11	298.35	+0.15	
AH-4	1/11	300.65	1/11	301.30	-0.65	
AH-5	1/15	322.90	1/11	323.90	-1.00	
AI-3	1/11	307.85	1/11	308.40	-0.55	
AI-4	1/11	332.55	1/11	333.10	-0.55	
AI-5	1/11	336.65	1/11	337.10	-0.45	
AI-8	1/26	299.70	1/11	300.15	-0.45	
AI-9	--	--	1/11	330.60	--	
AI-1	1/13	54.20	1/11	52.80	+1.40	
AN-1	1/15	296.20	1/11	295.90	+0.30	
AP-1	1/11	341.40	1/11	342.40	-1.00	



○ Observation well
 U-2 Well number

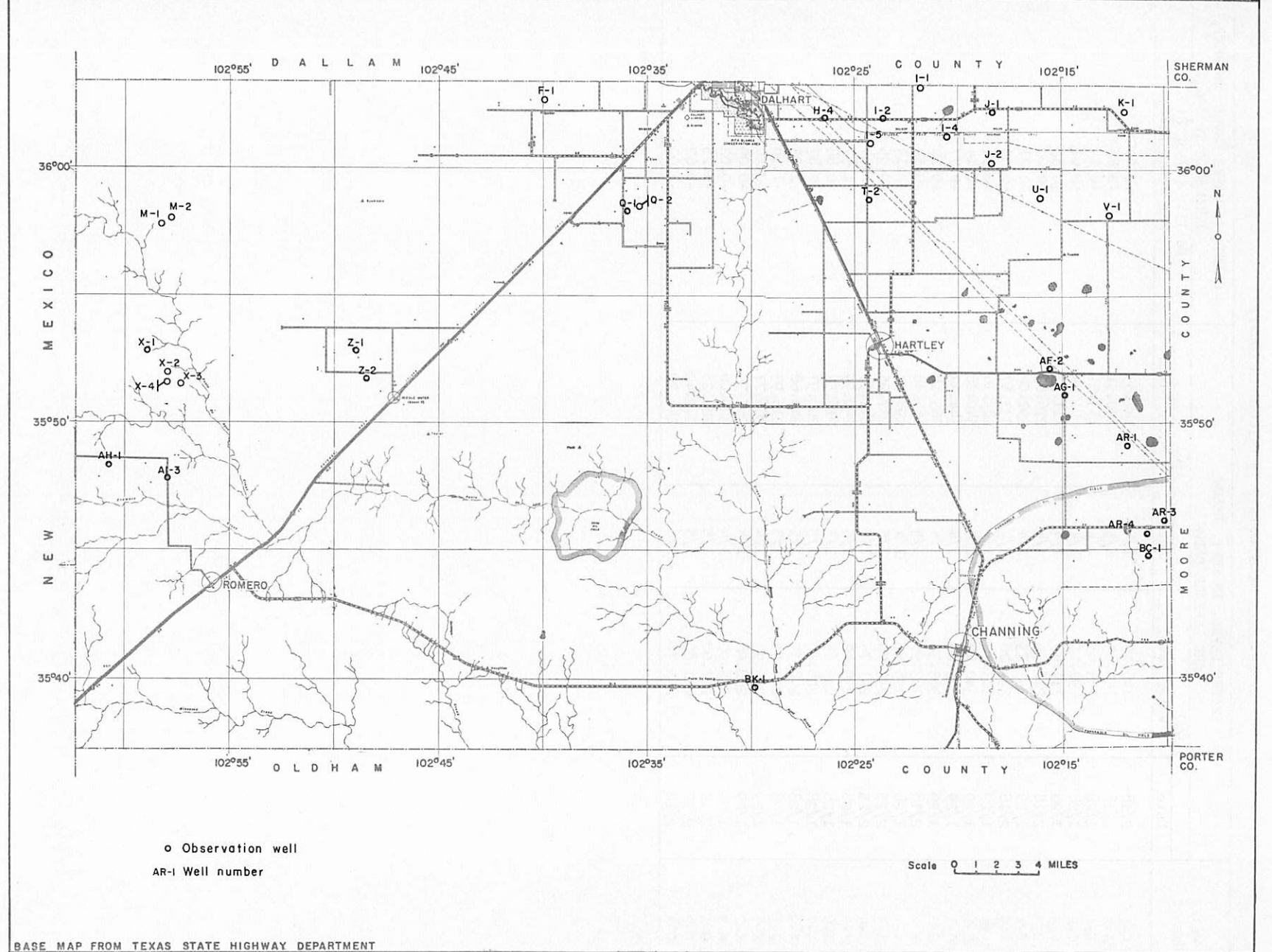
Scale 0 2 3 4 Miles

LOCATIONS OF OBSERVATION WELLS IN HANSFORD COUNTY

BASE MAP FROM TEXAS STATE HIGHWAY DEPARTMENT

WATER-LEVEL MEASUREMENTS IN HARTLEY COUNTY

Well Number	WATER LEVEL, IN FEET, BELOW LAND SURFACE DATUM				CHANGE IN WATER LEVEL, IN FEET, FROM 1960 TO 1961 Decline (-) or Rise (+) in Water Level
	1960		1961		
	Date	Water Level	Date	Water Level	
F-1	3/23	153.00	1/24	153.02	-0.02
H-4	3/23	300.65	1/20	300.63	+0.02
I-1	3/22	320.90	1/20	321.34	-0.44
I-2	3/22	314.22	1/20	314.06	+0.16
I-4	3/30	321.50	1/20	321.75	-0.25
I-5	3/31	303.15	1/24	304.23	-1.08
J-1	3/22	300.47	1/20	300.34	+0.13
J-2	3/22	307.65	1/20	307.82	-0.17
K-1	3/22	281.80	1/20	282.38	-0.58
M-1	3/23	115.10	2/1	116.20	-1.10
M-2	3/23	120.94	2/1	123.07	-2.13
Q-1	3/23	182.80	1/24	183.36	-0.56
Q-2	3/23	185.00	1/24	185.43	-0.43
T-2	3/23	331.10	1/16	331.80	-0.70
U-1	3/22	308.00	1/20	308.06	-0.06
V-1	3/22	300.80	1/20	300.70	+0.10
X-1	3/18	132.95	1/26	134.55	-1.60
X-2	--	--	1/24	148.36	--
X-3	3/18	136.53	1/26	136.24	+0.29
X-4	3/18	148.90	1/26	147.87	+1.03
Z-1	3/23	201.60	1/24	201.85	-0.25
Z-2	3/23	199.30	1/24	199.58	-0.28
AF-2	3/17	327.85	1/16	327.97	-0.12
AG-1	3/17	320.86	1/16	321.13	-0.27
AH-1	3/18	185.73	1/26	186.48	-0.75
AI-3	3/18	133.94	1/26	133.84	+0.10
AR-1	3/17	313.40	1/16	313.94	-0.54
AR-3	3/17	303.50	1/18	303.76	-0.26
AR-4	3/17	295.40	1/18	296.00	-0.60
BC-1	3/17	288.60	1/18	289.25	-0.65
BK-1	3/18	34.00	1/26	34.32	-0.32



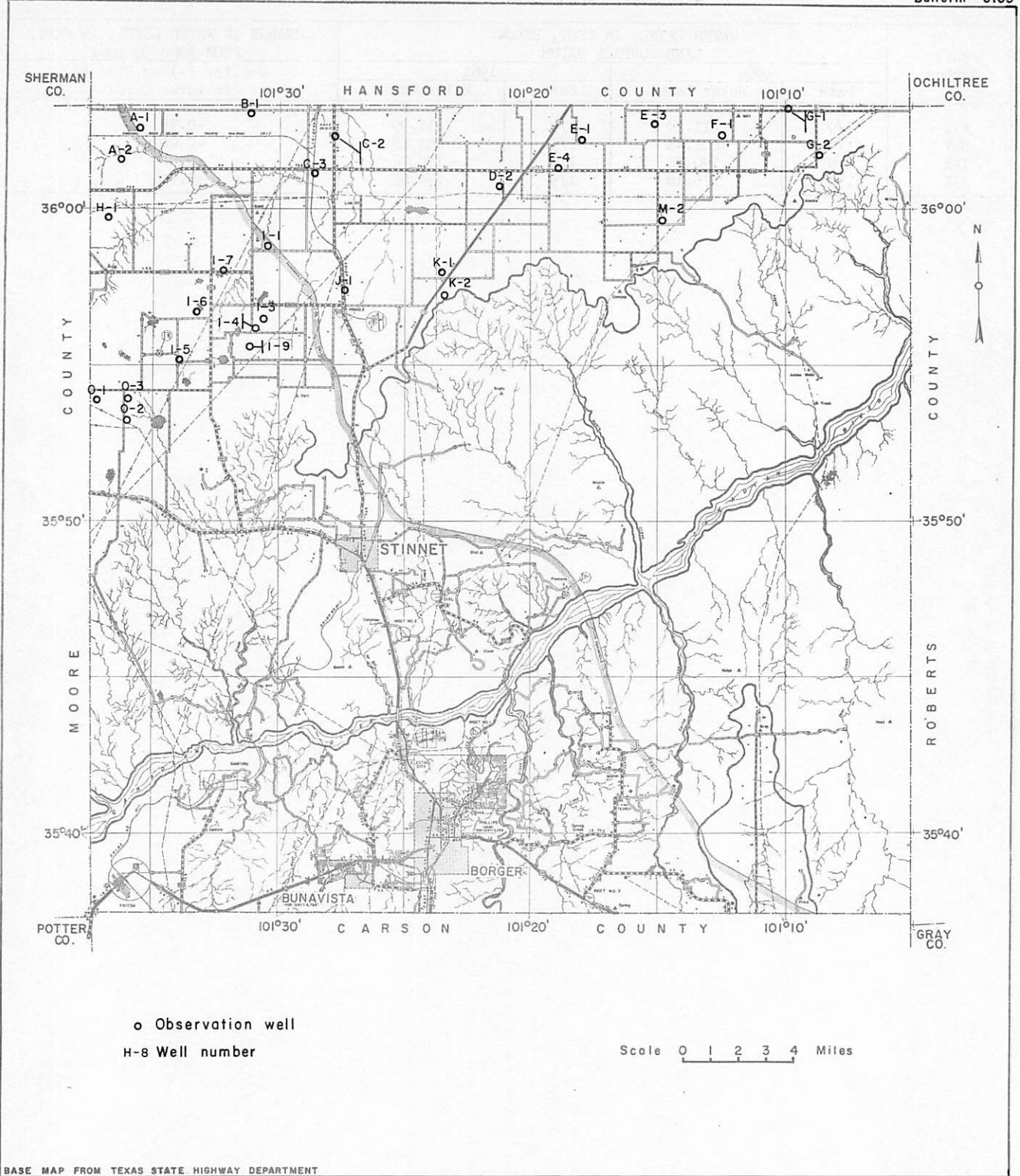
BASE MAP FROM TEXAS STATE HIGHWAY DEPARTMENT

LOCATIONS OF OBSERVATION WELLS IN HARTLEY COUNTY

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WATER-LEVEL MEASUREMENTS IN HUTCHINSON COUNTY

Well Number	WATER LEVEL, IN FEET, BELOW LAND SURFACE DATUM				CHANGE IN WATER LEVEL, IN FEET, FROM 1960 TO 1961 Decline (-) or Rise (+) in Water Level
	1960		1961		
	Date	Water Level	Date	Water Level	
A-1	2/18	145.15	1/4	144.85	+0.30
A-2	2/18	149.83	1/5	150.51	-0.68
B-1	1/28	153.65	1/4	153.51	+0.14
C-2	1/28	92.15	1/4	91.54	+0.61
C-3	1/28	111.65	1/4	111.33	+0.32
D-2	2/18	276.55	1/4	276.63	-0.08
E-1	1/29	291.73	1/4	292.04	-0.31
E-3	2/18	334.20	1/4	333.67	+0.53
E-4	1/29	283.70	1/4	283.16	+0.54
F-1	1/29	340.40	1/4	340.26	+0.14
G-1	1/29	345.10	1/4	344.33	+0.77
G-2	1/29	363.30	1/4	363.18	+0.12
H-1	2/18	163.95	1/5	164.48	-0.53
I-1	1/28	198.67	1/4	198.54	+0.13
I-3	2/25	237.00	1/5	237.95	-0.95
I-4	2/25	241.75	1/5	242.99	-1.24
I-5	1/28	239.42	1/5	240.99	-1.57
I-6	1/28	215.65	1/5	216.53	-0.88
I-7	1/28	208.10	1/5	208.97	-0.87
I-9	1/28	248.35	1/5	249.68	-1.33
J-1	1/28	214.35	1/5	215.93	-1.58
K-1	1/29	266.27	1/4	266.77	-0.50
K-2	1/29	268.08	1/4	267.99	+0.09
M-2	1/29	329.02	1/4	329.00	+0.02
O-1	2/18	227.00	1/5	228.25	-1.25
O-2	2/18	241.80	1/5	242.42	-0.62
O-3	2/18	242.70	1/6	243.70	-1.00



LOCATIONS OF OBSERVATION WELLS IN HUTCHINSON COUNTY

WATER-LEVEL MEASUREMENTS IN LIPSCOMB COUNTY

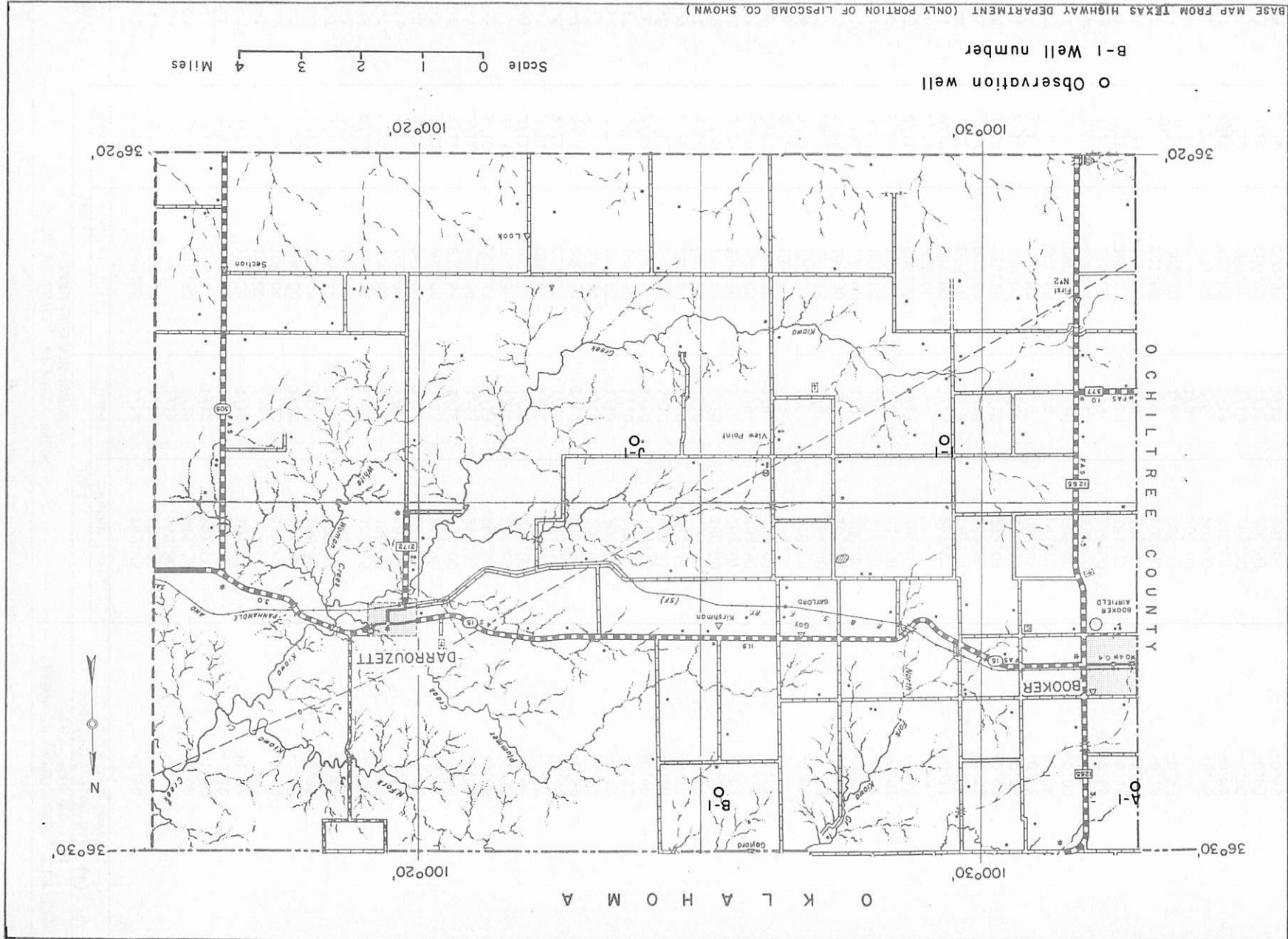
Well Number	WATER LEVEL, IN FEET, BELOW LAND SURFACE DATUM				CHANGE IN WATER LEVEL, IN FEET, FROM 1960 TO 1961
	1960		1961		
	Date	Water Level	Date	Water Level	Decline (-) or Rise (+) in Water Level
A-1	1/9	211.20	1/9	211.99	-0.79
B-1	1/9	201.48	1/9	201.68	-0.20
I-1	1/9	190.70	1/9	190.74	-0.04
J-1	1/9	175.10	1/9	174.60	+0.50

LOCATIONS OF OBSERVATION WELLS IN LIPSCOMB COUNTY

BASE MAP FROM TEXAS HIGHWAY DEPARTMENT (ONLY PORTION OF LIPSCOMB CO. SHOWN)

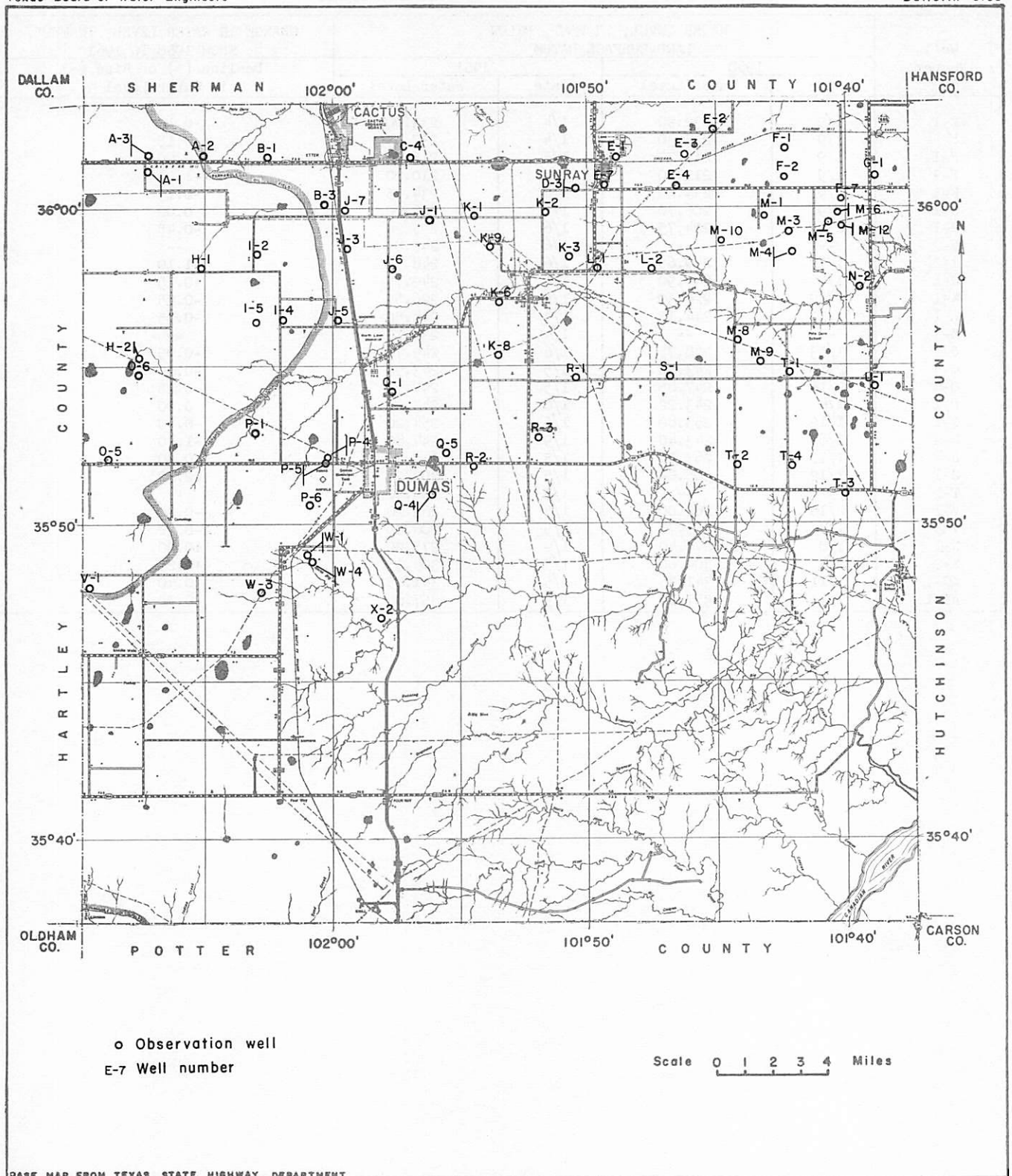
○ Observation well
B-1 Well number

Scale 0 1 2 3 4 Miles



WATER-LEVEL MEASUREMENTS IN MOORE COUNTY

Well Number	WATER LEVEL, IN FEET, BELOW LAND SURFACE DATUM		1961		CHANGE IN WATER LEVEL, IN FEET, FROM 1960 TO 1961 Decline (-) or Rise (+) in Water Level
	1960		Water Level		
	Date	Water Level	Date	Water Level	
A-1	2/11	249.65	1/12	249.25	+0.40
A-2	2/11	230.30	1/12	230.32	-0.02
A-3	--	--	1/12	248.80	--
B-1	2/11	214.30	1/12	215.32	-1.02
B-3	2/11	220.60	1/12	221.90	-1.30
C-4	3/8	203.00	1/12	202.88	+0.12
D-3	3/7	189.80	1/10	187.88	+1.92
E-1	3/8	178.80	--	--	--
E-2	2/22	194.04	1/10	194.63	-0.59
E-3	2/22	192.80	1/10	195.30	-2.50
E-4	2/22	204.55	1/10	206.85	-2.30
E-7	3/7	189.10	1/10	191.33	-2.23
F-1	2/22	166.00	--	--	--
F-2	2/20	180.70	1/10	182.75	-2.05
F-7	2/22	174.40	1/6	176.38	-1.98
G-1	3/7	160.20	1/6	161.50	-1.30
H-1	2/11	261.90	1/12	261.88	+0.02
H-2	2/11	268.00	1/13	267.78	+0.22
I-2	2/11	230.45	1/12	231.00	-0.55
I-4	2/11	239.50	1/13	241.59	-2.09
I-5	2/10	242.15	1/13	242.80	-0.65
J-1	2/11	209.30	1/11	210.69	-1.39
J-3	2/11	223.10	1/12	224.02	-0.92
J-5	2/11	214.50	1/11	215.27	-0.77
J-6	2/11	214.15	1/10	215.12	-0.97
J-7	2/11	218.30	1/12	218.92	-0.62
K-1	2/11	202.90	1/12	204.84	-1.94
K-2	2/11	198.55	1/18	200.77	-2.22
K-3	3/7	195.50	1/10	197.32	-1.82
K-6	2/22	198.15	1/10	197.75	+0.40
K-8	3/1	205.55	1/10	205.81	-0.26
K-9	2/22	214.00	1/10	217.17	-3.17
L-1	2/22	193.10	1/10	194.70	-1.60
L-2	2/22	179.40	1/10	180.49	-1.09
M-1	2/22	186.30	1/10	187.87	-1.57
M-3	2/22	192.05	1/9	193.58	-1.53
M-4	2/22	188.52	1/9	190.03	-1.51
M-5	2/22	181.30	--	--	--
M-6	2/22	176.30	1/6	178.35	-2.05
M-8	2/25	164.15	1/9	164.48	-0.33
M-9	2/25	183.90	1/9	185.47	-1.57
M-10	2/22	190.90	1/9	188.86	+2.04
M-12	2/22	175.00	1/6	176.57	-1.57
N-2	2/22	114.61	1/6	114.54	+0.07
O-5	2/11	305.00	1/13	304.64	+0.36
O-6	2/11	271.60	--	--	--
P-1	2/10	247.90	1/13	247.73	+0.17
P-4	3/17	256.70	1/18	257.34	-0.64
P-5	3/17	262.00	1/18	262.55	-0.55
P-6	2/10	274.10	1/18	274.03	+0.07
Q-1	2/11	239.60	1/10	240.19	-0.59
Q-4	3/1	246.80	1/9	247.44	-0.64
Q-5	3/1	241.05	1/9	241.01	+0.04
R-1	3/1	202.82	1/10	202.80	+0.02
R-2	3/1	252.70	1/18	252.40	+0.30
R-3	3/1	236.05	1/9	236.60	-0.55
S-1	2/25	181.25	1/10	181.70	-0.45
T-1	2/25	182.90	1/9	183.90	-1.00
T-2	3/1	201.60	1/9	202.30	-0.70
T-3	3/1	227.70	1/6	228.13	-0.43
T-4	--	--	1/9	208.00	--
U-1	2/25	205.50	2/6	207.05	-1.55
V-1	2/10	311.45	1/13	312.27	-0.82
W-1	2/10	268.30	1/18	269.20	-0.90
W-3	2/10	286.70	1/13	286.93	-0.23
W-4	2/10	250.55	1/18	251.04	-0.49
X-2	2/10	101.35	1/18	101.09	+0.26

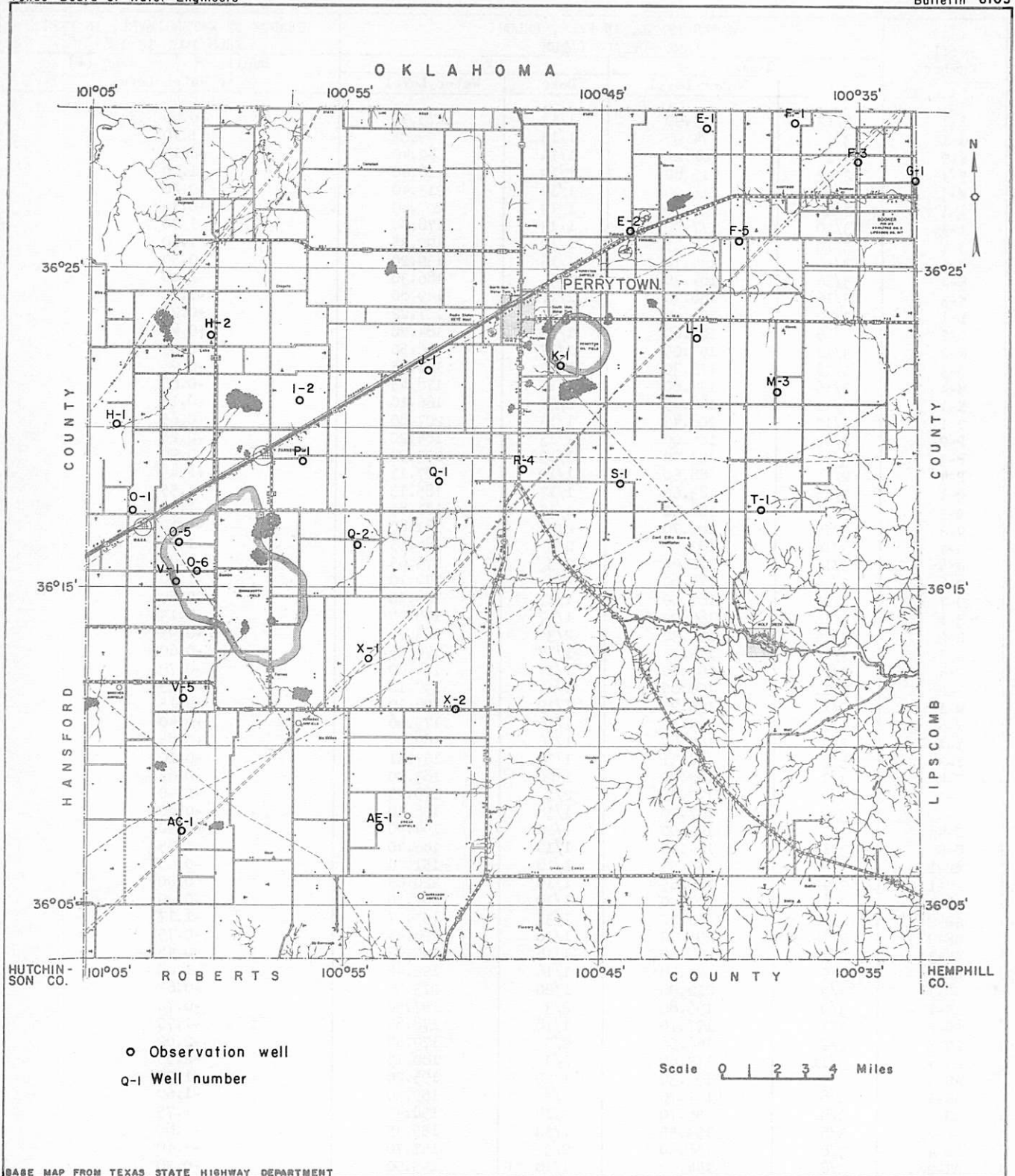


LOCATIONS OF OBSERVATION WELLS IN MOORE COUNTY

WATER-LEVEL MEASUREMENTS IN OCHILTREE COUNTY

Well Number	WATER LEVEL, IN FEET, BELOW LAND SURFACE DATUM				CHANGE IN WATER LEVEL, IN FEET, FROM 1960 TO 1961 Decline (-) or Rise (+) in Water Level
	1960		1961		
	Date	Water Level	Date	Water Level	
E-1	1/9	232.90	1/4	233.00	-0.10
E-2	1/9	237.30	1/4	237.45	-0.15
F-1	1/9	215.70	1/5	215.70	0.00
F-3	1/9	211.20	1/4	210.20	+1.00
F-5	1/9	234.60	1/4	234.75	-0.15
G-1	1/9	206.70	1/4	206.70	0.00
H-1	1/13	224.75	1/6	225.20	-0.45
H-2	--	--	1/6	242.85	--
I-2	1/12	249.65	1/6	248.55	+1.10
J-1	1/9	249.90	1/5	249.75	+0.15
K-1	1/12	226.30	1/4	226.55	-0.25
L-1	1/12	244.15	1/4	244.50	-0.35
M-3	--	--	1/4	234.10	--
O-1	1/13	248.75	1/6	249.70	-0.95
O-5	2/16	243.30	1/5	243.90	-0.60
O-6	2/16	247.65	1/5	247.90	-0.25
P-1	1/8	243.22	1/6	243.22	0.00
Q-1	1/12	253.80	1/5	254.20	-0.40
Q-2	1/8	243.40	1/9	244.80	-1.40
R-4	1/12	263.10	1/5	262.70	+0.40
S-1	1/12	205.04	1/5	202.25	+2.79
T-1	--	--	1/5	258.50	--
V-1	2/16	262.00	1/5	262.20	-0.20
V-5	1/8	285.78	1/5	286.00	-0.22
X-1	1/8	275.40	1/9	275.20	+0.20
X-2	1/8	304.60	1/5	304.35	+0.25
AC-1	1/11	341.35	1/5	341.75	-0.40
AE-1	1/11	357.10	1/9	357.80	-0.70

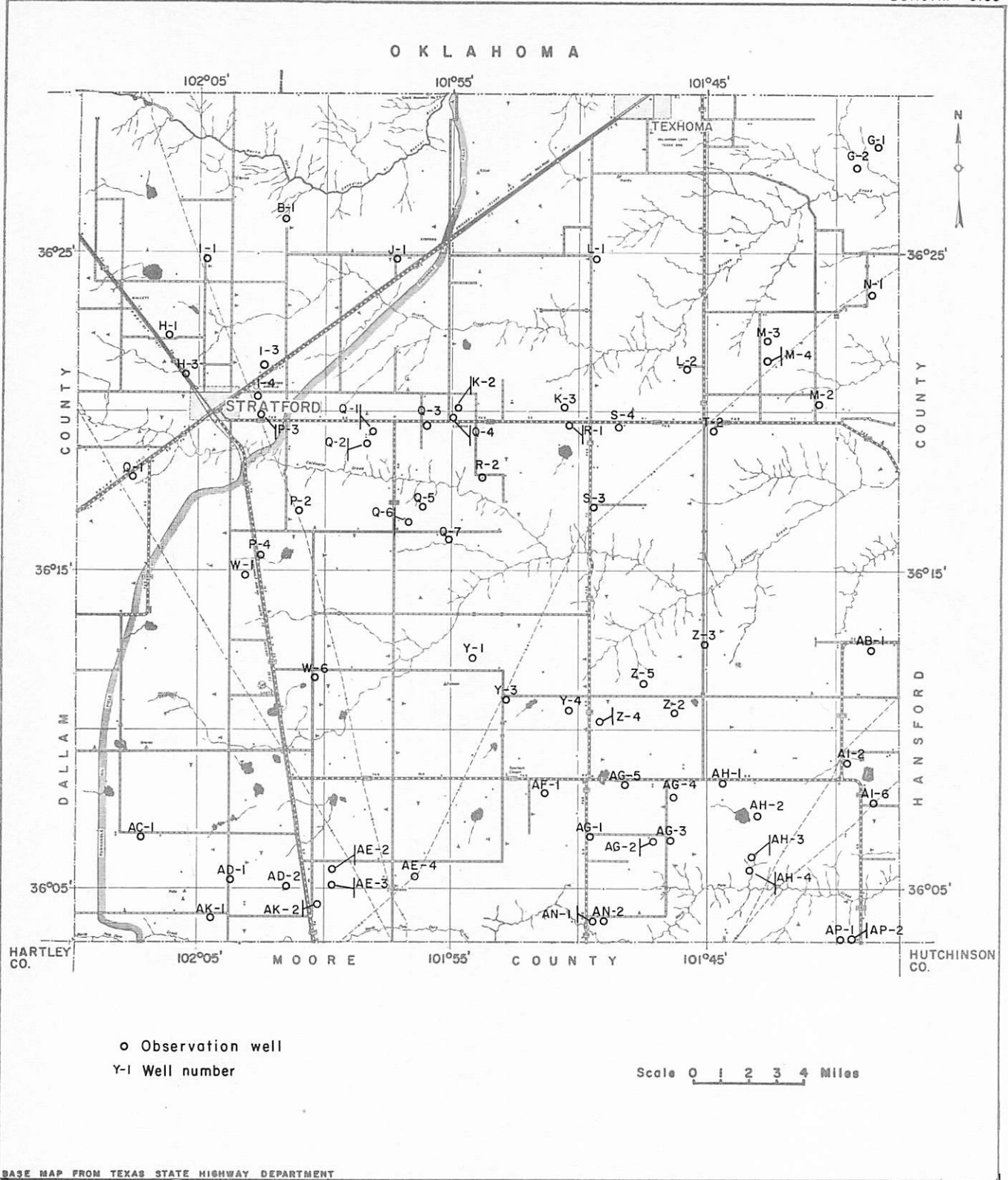
LOCATIONS OF OBSERVATION WELLS IN MOORE COUNTY



LOCATIONS OF OBSERVATION WELLS IN OCHILTREE COUNTY

WATER-LEVEL MEASUREMENTS IN SHERMAN COUNTY

Well Number	WATER LEVEL, IN FEET, BELOW LAND SURFACE DATUM				CHANGE IN WATER LEVEL, IN FEET, FROM 1960 TO 1961 Decline (-) or Rise (+) in Water Level
	1960		1961		
	Date	Water Level	Date	Water Level	
B-1	2/12	175.90	1/13	175.90	0.00
G-1	3/11	74.95	1/13	75.05	-1.10
G-2	3/11	82.25	1/13	82.40	-0.15
H-1	2/12	215.80	1/19	216.80	-1.00
H-3	2/12	215.20	1/19	215.40	-0.20
I-1	2/12	207.70	1/13	207.40	+0.30
I-3	3/10	177.00	1/13	178.00	-1.00
I-4	3/10	198.35	1/19	199.35	-1.00
J-1	3/10	138.70	1/13	139.20	-0.50
K-2	3/16	184.30	2/3	186.30	-2.00
K-3	3/16	188.70	1/17	189.80	-1.10
L-1	3/10	227.42	1/13	227.22	+0.20
L-2	3/16	184.60	1/13	184.20	+0.40
M-2	3/11	157.05	1/17	156.50	+0.55
M-3	3/16	176.30	1/13	176.55	-0.25
M-4	3/16	177.80	1/17	178.45	-0.65
N-1	3/11	166.25	1/12	166.10	+0.15
O-1	3/10	208.45	1/13	207.80	+0.65
P-2	2/12	184.00	1/13	184.20	-0.20
P-3	3/10	203.00	1/19	203.90	-0.90
P-4	2/12	188.60	1/19	187.15	+1.45
Q-1	3/16	183.60	1/17	185.15	-1.55
Q-2	3/16	180.50	1/17	181.85	-1.35
Q-3	3/16	180.70	2/3	181.80	-1.10
Q-4	3/16	183.00	2/3	184.55	-1.55
Q-5	3/16	170.65	2/3	171.65	-1.00
Q-6	3/16	178.00	2/3	179.10	-1.10
Q-7	3/16	167.50	1/17	168.30	-0.80
R-1	3/16	186.92	1/17	188.05	-1.13
R-2	3/16	172.30	2/3	183.25	-0.95
S-3	3/10	175.75	1/17	176.35	-0.60
S-4	3/16	194.10	1/17	194.80	-0.70
T-2	3/11	196.85	1/17	197.10	-0.25
W-1	2/12	196.25	1/19	194.10	+2.15
W-6	2/12	179.40	1/16	179.00	+0.40
Y-1	3/9	169.85	1/16	169.00	+0.85
Y-3	3/9	157.31	1/16	157.41	-0.10
Y-4	3/9	182.35	1/20	183.00	-0.65
Z-2	3/9	177.05	2/3	179.45	-2.40
Z-3	3/9	167.30	1/18	168.10	-0.80
Z-4	3/9	194.00	1/20	194.90	-0.90
Z-5	3/11	184.65	1/19	186.40	-1.75
AB-1	3/8	150.55	1/18	151.00	-0.45
AC-1	2/12	220.65	1/19	220.65	0.00
AD-1	2/12	207.30	1/19	207.50	-0.20
AD-2	2/12	194.10	1/31	195.27	-1.17
AE-2	2/12	195.70	1/16	196.45	-0.75
AE-3	2/12	199.50	1/16	199.95	-0.45
AE-4	3/9	191.40	1/16	192.40	-1.00
AF-1	3/9	212.98	1/20	213.60	-0.62
AG-1	3/9	196.80	2/3	197.50	-0.70
AG-2	3/11	177.10	1/18	178.85	-1.75
AG-3	3/9	168.58	2/3	170.60	-2.02
AG-4	3/11	177.60	2/3	180.15	-2.55
AG-5	3/9	193.30	1/20	195.20	-1.90
AH-1	3/8	157.70	2/3	159.30	-1.60
AH-2	3/8	156.70	1/18	158.45	-1.75
AH-3	3/8	153.55	1/18	155.35	-1.80
AH-4	3/8	156.30	2/3	157.70	-1.40
AI-2	3/8	144.70	1/18	145.00	-0.30
AI-6	3/8	150.05	1/12	149.85	+0.20
AK-1	2/12	223.90	1/19	224.10	-0.20
AK-2	2/12	205.10	1/16	206.70	-1.60
AN-1	3/8	171.58	2/3	172.70	-1.12
AN-2	3/8	172.25	2/3	173.50	-1.25
AP-1	3/7	149.95	1/18	150.80	-0.85
AP-2	3/7	146.45	1/18	147.20	-0.75



LOCATIONS OF OBSERVATION WELLS IN SHERMAN COUNTY