RESEARCH COUNCIL OF ALBERTA

Preliminary Report 65-4

WATER-WELL RECORDS, SOUTHERN ALBERTA

Townships 1-10

(complete to December 31, 1964)

by

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WATER-WELL RECORDS, SOUTHERN ALBERTA

Abstract

Water-well records are an important source of near-surface geological and hydrological information. Most of the records presented in this preliminary report have not previously been published in any form. They represent a complete record of all the available water-well data in the Groundwater Division's files to the end of December 1964, and include all that part of Alberta from the United States border to township 10 inclusive. These records should be of considerable use for the evaluation of the natural resources of southern Alberta.

A description of the system of land division and a list of licensed water-well drilling contractors is included.

PURPOSE AND SCOPE

Water-well information has been recorded and collected in southern Alberta by many people and for many purposes since the late 1800's. The Groundwater Division of the Research Council of Alberta has, since its inception in 1957, attempted to collect all available water-well information. A Cardex filing system is used by the division and all information received is recorded and placed in this file for ready reference. The purpose of this report is to publish, for those people interested in southern Alberta, the accumulated water-well data to December 31, 1964, in a form that is simple, useful, and readily available. Information made available by the oil industry, such as seismic shot-hole logs, stratigraphic test holes and oil-well logs are available from other sources. Supplementary water-well information will be published from time to time, possibly on a regular basis.

The eventual source of nearly all the data included in this publication is the water-well driller. Drilling records from the early days are commonly unrecorded or lost and much of what has been recorded was collected by technicians taking well inventories years after the wells were drilled. In more recent years the Water Resources Branch, Alberta Department of Agriculture, has routinely collected well records from licensed water-well drilling contractors, at or shortly after the time of drilling. The reliability of the well information in any one area will vary greatly depending upon such variables as the drilling contractors involved, the date drilled, and the method by which the information was collected.

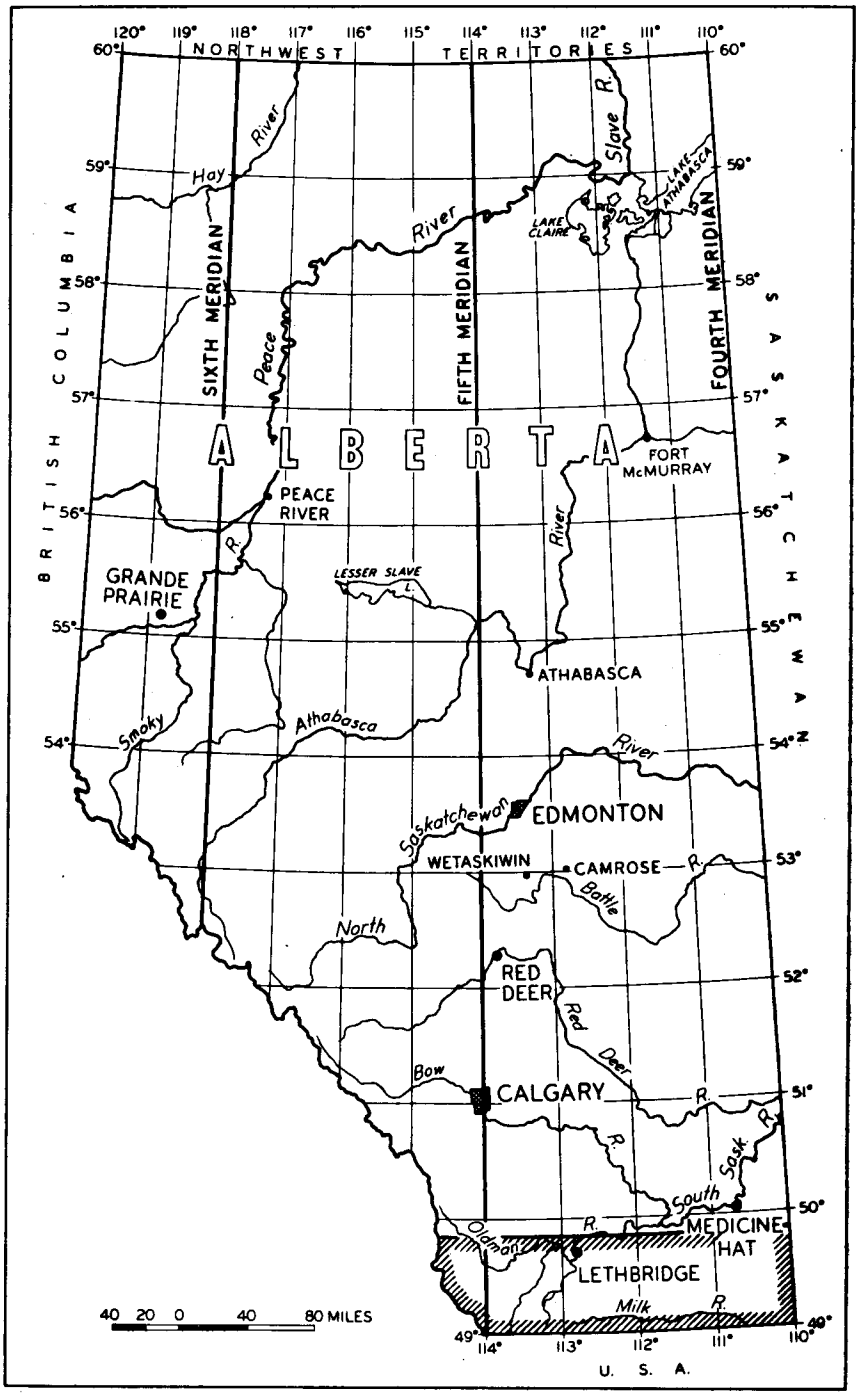

Figure 1. Location of the area.

No effort has been made to reinterpret, correct, or modernize any of the data given. Units of measurements have been converted where possible to a standard system as outlined in the section "Explanation of the Table."

LOCATION

The area covered by this publication comprises all of southern Alberta from the United States boundary to the north boundary of township 10 (Fig. 1).

LAND-SURVEY SYSTEM

The land-survey system used in the Province of Alberta is explained in the following excerpt, obtained from the Schedule of Wells Drilled for Oil and Gas in 1963 , Oil and Gas Conservation Board, Province of Alberta.

> "Townships are six miles square, with road allowance in addition. A road allowance 66 feet wide is left on the east side of every section and either on the north or south side of each section, there being a road allowance on the south of the township, and every two miles northward. Sections are numbered as follows:

31	32	33	34	35	36
30	29	28	27	26	25
19	20	21	22	23	24
18	17	16	15	14	13
7	8	9	10	11	12
6	5	4	3	2	1

> Townships are numbered from the International Boundary northward. The east boundary of Alberta is the fourth principal meridian and it marks the 110th degree of longitude, west of Greenwich. The fifth meridian is at 114 degrees, and the sixth at 118 degrees west of Greenwich.

Ranges are numbered westward from each initial meridian, the last range abutting the next meridian being fractional. The north boundary of every township divisible by 4 is a base line, and sections along the base lines are a full mile wide. Going northward for 12 miles, each section narrows slightly until a correction line is reached, and going south each section widens slightly until the correction line is reached.

Sections may be divided into 16 legal subdivisions and numbering of these subdivisions is prescribed as follows:"

13	14	15	16
12	11	10	9
5	6	7	8
4	3	2	1

EXPLANATION OF THE TABLES

The water-well records are divided into two separately listed groups. The first is for those wells located west of the fourth meridian; the second for those west of the fifth meridian. Within these groupings the well locations are listed firstly by township, secondly by range, thirdly by section, and lastly by quarter section or legal subdivision.

In order to present the information as completely and yet as concisely as possible, a tabular form of presentation with the following abbreviations has been used:

Column	Abbreviation	Meaning	Remarks
Location	Lsd.	Legal subdivision	
	1/4	Quarter section	
	Sec.	Section	
	Tp.	Township	
	R.	Range	
Type of well	Dr	Drilled	Method unknown
	R	Rotary	Drilled by the rotary method
	C	Cable tool	Drilled by the cable-tool method
	D	Dug	
	B	Bored	Excavated with a boring rig
	J	Jetted	Driven with a jetting rig
	S	Spring or springs	
Hole diameter	s	Square	
	c	Casing diameter	
Surface elevation	sr	Surveyed	Accurately established by precise measurement

Column	Abbreviation	Meaning	Remarks
Water depth	F	Flowing	Well is flowing
	D	Dry hole	
Yield or test rate	<	Less than	Followed by a number of gallons per minute
	>	Greater than	
	G	Good supply	
	VG	Very good supply	
	P	Poor supply	
	VP	Very poor supply	
Test results Drawdown or recovery	-	Recovery measurements	Minus sign used to distinguish recovery from drawdown
	*	More detailed pump-test measurements available	In some cases data are too extensive to be included in full; they are on file with the Groundwater Division, Research Council of Alberta
Use	D	Domestic	
	S	Stock	
	N	Not used	
	P	Public	

	I	Industrial	
	Ir	Irrigation	
	O	Observation	
	St	Stratigraphic test hole	
	*	Particularly detailed information	Detailed information known to have been carefully recorded by a trained observer
Quality	VH	Very hard	
	MH	Medium hard	
	H	Hard	
	S	Soft	
	MS	Medium soft	
	VS	Very soft	
	So	Soda	
	SSo	Strong soda	
	Su	Sulfur	
	A	Alkaline	
	I	Iron	
Aquifer; Lithologic log, chemical analysis, and remarks	cl	Clay	Commonly synonymous with till, but may mean very fine sorted clay and silt
	dr	Drift or unconsolidated surficial material	
	sd	Sand	
	gr	Gravel	

Column	Abbreviation	Meaning	Remarks
	br	Bedrock	
	ss	Sandstone	
	sh	Shale	
	(CB)	Alberta Oil and Gas Conservation Board	
	(GSC-I)	Geological Survey of Canada well inventory	Information collected by officers of the Geological Survey of Canada during the 1930's in the form of well inventories
	(PFRA)	Prairie Farm Rehabilitation Administration	Stratigraphic information collected by P.F.R.A. usually during investigations of possible dam-site locations
	(RCA-C)	Research Council of Alberta	Stratigraphic information collected by the Coal Division during test drilling for coal-inventory purposes
	(RCA-G)	Research Council of Alberta	Stratigraphic and hydrological information collected by the Groundwater Division during test-drilling programs

Note: The last column (Lithologic log, chemical analysis, and remarks) may contain such extra available information as water temperature; general remarks on water quality and quantity; note of the availability of and comments on an electric log of the well; well-completion details; specific information on the use of the water, and the name of the source agency for particular information, as for example that from well inventories or special test-drilling programs.

WATER-WELL CONTRACTORS

The following list of water-well drilling contractors licensed in the Province of Alberta as of December 31, 1964, has been provided by the Water Resources Branch, Department of Agriculture.

Name	Address
Aizzier Brothers	Kirriemuir
A. J. Drilling Co.	Box 604, Vulcan
Ambramenko, P.	Rumsey
Anderburg & Sons Ltd.	8732 - 34 Ave. N.W., Calgary
Anderson, C. G.	Box 178, Airdrie
Anderson, S.	Beaverlodge
Ashton, O. W.	4707 - 61 Street, Camrose
Aurora Drilling	10823 - 95 Street, Grande Prairie
Babich, J. W.	Vilna
Bablitz, R.	R.R. 4, Calmar
Bablitz, R. H.	R.R. 1, Barrhead
Bakken, Siguard	Sedgewick, Alberta
Barnard, W. T.	Box 427, Coronation
Beagrie, T.	Swalwell
Becker Drilling	2633 - 17 Ave. S.E., Calgary
Bennett & Nowak Drilling Co.	1315 - 1st S.W., Calgary
Berwyn Drilling Ltd.	Box 5328, Edmonton
Blackwood, A. H.	DeWinton
Blize, L. A. & Sons	Box 191, Warburg
Boutin, Rene	Dapp, Alberta
Bowers, R.	Caroline
Breadner, R. K.	Dapp
Brix Brothers	748 - 4 Ave. N.E., Medicine Hat
Brown, Buster	Box 262, Grande Prairie
Brown, G. L.	Box 145, Drayton Valley
Brun, F.	Box 188, Rimbey
Buffalo Lake Drilling Co.	Box 158, Donalda
Burgess, G.	R.R. 4, Calmar
Calalta Drilling (A. Trimming)	Elk Point
Campbell, L.	12424 - 118 Avenue, Edmonton
Carday Drilling	Byemoor
Caskey, A. H.	Excel
Chappell, W.	Carstairs
Chipmunk Drilling Co. Ltd.	504 - 9 Ave. S.W., Calgary
Chorney, L. L.	Sugden
Code, D. N.	New Brigden
Comfort Drilling	Box 324, Red Deer, Alta.
Coralta Drilling Ltd.	Box 4104, Edmonton
Cornelssen, W. E.	Box 356, Stettler
Cowie, L. M.	Sub. P.O. 10, Calgary

Crosbie, G. R.	2007 - Centre St., Calgary
C.T. & T. Drilling	328A - 8th Ave. S.W., Calgary
DeForas, J.	Box 161, High River
Dial, A. L.	R.R. 1, Sylvan Lake
Dickau, H. J.	Ponoka
Dietz Brothers	Box 553, Kindersley, Saskatchewan
Dixon, K.	Sexsmith
Doering, G. L.	Box 97, Torrington
Downey, G. R. J.	Box 1012, Vermilion
Dutchy's Drilling	Box 662, Stony Plain, Alta.
Eliason, V. Gordon	R.R. 2, Wetaskiwin, Alta.
Elliott Drilling	12139 - 124 Street, Edmonton
Elk Point Drilling Co.	11103 - 118 Street, Edmonton
Engel, J. P.	Box 314, Vegreville
Erickson, E. & J. Kangas	Box 92, Sylvan Lake
Eureka Drilling Co. Ltd.	Box 4424, Edmonton
Fay, G. E.	Box 556, Rocky Mountain House
Feldburg, R.	Brightview
Fiveland, N. O.	Westerose
Fjordbotten, R.	Box 335, Granum
Flinn, W. T.	Box 786, Lacombe
Foothills Drilling Ltd.	2633 - 17 Ave. S.E., Calgary
Forester, A.	Innisfail
Forester, E.	3637 - 106 Ave., Edmonton
Forrester, R.	3825 - 46 Street, Red Deer
Forrester, R. (Edson Water Wells)	Edson
Fox, H.	Ashmont
Fraser, R. K.	Westerose
Frederickson, J. E.	Box 434, St. Paul
Gailey, J. R.	12903 - 109 Street, Edmonton(temp.)
Gailey, R. Sr.	Box 316, Breton
Gamache, W. G.	6214 - 112A Street, Edmonton
Garritty & Baker Drilling Co.	9919 - 106 Street, Edmonton
Gass, N.	Box 365, Hythe
G & B Shothole Cementers	2603 - 38 Street S.W., Calgary
German, R. F.	Box 310, Sylvan Lake
Gerritsen, P.	Box 14, Rockyford
Glacier Drilling Co.	Box 117, Coleman
Goddard, A. E.	Fort MacLeod
Golka, C. W.	Box 580, Viking
Grabler, L.	Box 222, Sangudo
Gray, Ben	2422 - 3 Ave. N.W., Calgary
Green, F. T.	Box 28, Lousana
Gunderson, C.	Box 208, Forestburg
Hadland, H. H.	134 Winston Drive, Calgary
Hall, M. R. Drilling Ltd.	1743 - 36 Ave. S.W., Calgary
Halvorson, K. A.	927 - 8th Street South, Calgary
Hansen, P. E.	R.R. 2, South Edmonton

Harvey Drilling Co.	Box 132, Hanna
Heck, A. R.	Bodo
Heer, M. D.	Box 419, Stettler
Hegland, O. P.	Box 343, Beaverlodge
Henderson, A. J.	R.R. 3, Lacombe
Hendrickson Brothers	Box 250, Lomond
Hendrickson, C. P.	Innisfail
Henning, E.	Box 473, Lethbridge
Hi Rate Drilling Co. Ltd.	Box 1324, Stettler
Hisey, Ronald F.	Box 25, Ryley
Hokanson, C. H.	10428 - 159 Street, Edmonton
Horricks, B.	Westlock
Hostyn, L.	Box 266, Thorsby
Hovis, M. E.	5302 - 56 Street, Camrose
Hub City Drilling Co.	14305 - 120 Avenue, Edmonton
Hussey, B.	Black Diamond
International Water Supply	540 Burrard Street, Vancouver 1, B.C.
Interprovincial Drilling Cont.	4503 - 75 Street, N.W. Bowness
Jalbert, E.	Darwell
James & Son	52 Columbia Place, Calgary
Johnson, C. M.	Box 326, Hythe
Johnson, E.	Sexsmith
Johnson, G.	Winnfield
Katerenchuk, N.	McRae
Kenaston Drilling Co.	7507 - 81 Street, Edmonton
Kiehlbauch Drilling	11129 - 106 Street, Edmonton
Kiehlbauch, T.	11129 - 106 Street, Edmonton
King, L.	Box 352, Rocky Mountain House
Kingsep, R.	Eckville
Kinley, R. H.	4016 - 19 Street N.W., Calgary
Kinsella, E. R.	Box 545, Innisfail
Klettke, G.	Box 532, Grande Prairie
Knie, W.	Leduc
Kowalchuk, P.	Box 367, Holden
Kotlarchuk, P.	Mundare
Kruk, J. J.	South Cooking Lake
Kruk, T. S.	South Cooking Lake
La Forge Brothers	Westlock
Lakevold, M.	Provost
Lang, T.	Hillsburgh, Ontario
Laws & Byrt	Box 1188, Lloydminster
Lawson, M. E.	Box 363, Olds
Leonard, D. G.	Box 866, Olds
Lewis, Maurice	Box 12, Lousana
L. M. Drilling	Abee, Alberta
L. R. Well Drilling	Peers, Alberta
Lund, Sven Drilling	Box 253, Peace River
Lutyck, W.	Willingdon

Maarion, L.	Seven Persons
Mahar, J. E.	Roselea
Maughan, J. R.	2130 - 10 Avenue S., Lethbridge
Maughan, W. W.	2703 - 16 Ave. S., Lethbridge
Maygard, E.	Bittern Lake
McAllister, R.	Blackfoot
McAuley Drilling	5930 - 96 Street, Edmonton
McDonald Drilling	4640 - 21 Ave. N.W., Calgary
McGinnis, R. J.	Darwell
McNivon Brothers	Box 307, Vulcan
Mjolsness & McKenzie	Box 248, Coronation
Miller, L.	Brightview
Miller, S.	R.R. 1, Millet
Milligan, J. B.	Box 93, Bon Accord
Miskulin, G.	12 Moor Street, Calgary
M & M Drilling Co. Ltd.	Strathmore
Moon, W. C.	Box 397, Didsbury, Alta.
Morrill Water Well Drilling	Box 679, Drayton Valley
Morrison, F. C.	Box 86, Lloydminster
Murray, L.	Box 659, Drumheller
Murray, J.	Ashmont
Naslund, E. E.	Box 178, Boyle
Nelson, R.	Sylvan Lake
Nepstad, L. K.	Valhalla Centre
Northern Auger Drilling Ltd.	812 - 2 Avenue N.W., Calgary
Northern Water Supply	7433 - 26 Street S.E., Calgary
Northern Water Well Boring	8319 - 83 Street, Edmonton
Northside Garage (K. G. Kempf)	Delia
Nowochin, Clarence G.	Box 18, Brightview, R.R. 2
Ostopovich, B.	Box 21, Owlseye
Pankiw Drilling Co. Ltd.	1315 Windsor Street, Calgary
Parsons, R. O.	2208 - 39 Street, Forest Lawn
Pearson, L.	Wainwright
Pedersen, P.	Eckville
Permton Supplies Co. Ltd.	7509 - 104 Street, Edmonton
Pollom, J & S	Box 849, Bonnyville
Potter, G. N.	Box 182, Valleyview
Powell, J.	Cochrane
Prosser & Beckett	Box 362, Mannville
Quigg, G.	Box 68, Spruce Grove
Raffa, F. J.	4611 - 15 Street S.W., Calgary
Rangeland Drilling	Box 362, Mannville
Renbar Drilling Co.	560 - 4 Avenue N.E., Medicine Hat
Renes, J. B.	Brightview
Rennich Drilling	3822 - 2 Street N.W., Calgary
Robert, H.	Bonnyville
Roberts Rathole Drillers Ltd.	9536 - 63 Avenue, Edmonton
Rosychuk, J.	Hylo

Ruttan, D. H.	Cardston
Sando Drilling Ltd.	Sub P.O. 59, Calgary
Sankey Brothers	Hemaruka
Schaffer, J.	Throne
Schaffer, R.	Silver Heights
Schellenberger, M.	Box 283, Stony Plain
Schmidt, D.	Tees
Schuster, E. H.	Box 135, Wildwood
Scott, G.	R.R. 1, Camrose
Scott, H. A.	Box 149, Tomahawk
Seaman Engineer & Drilling Co.	915 - 42 Ave. S.E., Calgary
Seis-Test	9909 - 87 Avenue, Edmonton
Servold, H.	Box 1682, Camrose
Servold, I.	Box 292, Devon
Siebel, A.	Box 641, Lacombe
Siegel, Bert	Box 494, Viking, Alta.
Siegel, H.	Buck Lake
Skolski, M. H.	Box 57, Innisfree
Skoye, E. J.	Warburg
Smith, G. M.	Elk Point
Smith, R. O.	Elk Point
Smith, T. S. & J. E. Walker	8511 - 150 Street, Edmonton
Smith, W. C.	403 - 37 Street S.W., Calgary
Snider, G. A.	Blackie
Southern Alberta Drilling Co.	Foremost
Spence, J. P.	Sunnynook
Stedman, W. J.	Box 654, Innisfail
Steffenson, H. E.	Box 55, Vulcan
Steinbrue, K.	Hythe
Steinke, A.	Millet
Stephenson, C.	Darwell
Stratichuk, H.	Hylo
Strigley, A. R.	Busby
Swan, W. H.	Box 81, Midnapore
Swanson, G.	Sedgewick
Swanson, Ralph E.	R.R. 2, Wetaskiwin
Taks, G.	Box 175, Crossfield
Temple Drilling	1015 - 27 Street S., Lethbridge
Thomas, Alan D.	Alliance, Alta.
Thompson, W.	Okotoks
Town & Country Water Well Boring Ltd.	10519 - 85 Avenue, Edmonton
Trail Drilling Ltd.	Box 35, Airdrie
Trans Provincial Drilling Ltd.	Claresholm
Tri City Drilling Co. Ltd.	Box 347, Edmonton
Tronsgard Drilling Ltd.	10548 - 82 Avenue, Edmonton
Tscheiter, D.	Box 301, Hythe
Tschida, J.	1262 Elm Street, Medicine Hat
Turnquist, O. F.	Gwynne
Tyndall, H.	R.R. 2, Bluffton

Uhryn, C.	10447 - 137 Avenue, Edmonton
Unwin, H.	Box 1267, Lacombe
Van Driesten, W.	Box 912, Fort MacLeod
Volb, E.	Box 878, Drumheller
Volb, J.	Nacmine
Wagar, S.	Wembley
Wambeke Brothers	R.R. 1, High River
Ward, E.	32 Malibou Road, Calgary
Ward, G. H. Drilling Co. Ltd.	2718 - 83 Avenue S.E., Calgary
Warehime, F.	Barrhead
Warnke Brothers Ltd.	Box 1050, Wetaskiwin
Watkins, S. R.	R.R. 1, Midnapore
Websters Cabletool Drilling	Box 172, Black Diamond
Welter, C.	Box 155, Sexsmith
Western Foundation Borings Ltd.	9715 - 60 Avenue, Edmonton
Winter, R. A.	Box 164, Bashaw, Alta.

Water-Well Records, West of the Fourth Meridian

Location West of 4th Mer. Lsd or 1/4	Sec.	Tp.	R.	Driller	Year drilled	Type of well	Hole diam. (in.)	Surface elev. (ft.)	Well depth (ft.)	Water depth (ft.)	Aquifer depth (ft.)	Yield or test rate (gpm)	Test results Drawdown or recovery (ft.)	Time (min.)	Use	Quality	Aquifer	Lithologic log, chemical analysis, and remarks
SE	31	1	1		1915	D	48s	2800	20	5		1			D, S	H	Recent alluvium	0–18 cl, no stones, 18–20 sd; some lime present in water (GSC–I)
SE	31	1	1						10		9				D, S		Cl	
SE	31	1	1		1905	D			20	8	19	G			D, S	MS	Sd	
SW	31	1	1		1914	D	36s		8	5	5				S	H, So		
SW	31	1	1		1913	D	48s		9	4	4	G			D	H		4–9 sd
SW	2	1	2	M. Larson	1911	Dr	5	2795	132	15	21				D, S	S, So	Pale Beds	Reddish & white sediment, fine sd sediment when pumped for some time (GSC–I)
NW	3	1	2	C. Wiley	1905	Dr	6	2788	240	20					S	S, So, A	Belly River	Water scours horses under certain conditions. (GSC–I)
NW	3	1	2		1914	D	30		14	0	6–14				D	H		12–14 silt
NW	3	1	2		1914	Dr	5, 4c		245	18	245		20	600	S	S, So		
NE	4	1	2		1912	D			20	4	16, 20	G			D, S	H	Sandy silt	
SE	4	1	2	O. Sande	1928	Dr	5	2777	50						P	H, I	Pale Beds	White sediment around pump, reddish sediment on pails, scale forms in kettle (GSC–I)
NW	9	1	2		1922	D	24	2794	20	14	18	P			S	H, I	Belly River	0–18 stratified cl, no pebbles, no rock, occasional tree root not petrified, 18–20 fine light colored sd; total solids 2632, ignition loss 210, hardness 200, sulfates 1000 (Glauber salts), chlorides 28, alkalinity 720 (carbonate, soda, lime, & magnesium); very heavy sediment (GSC–I)
NW	9	1	2	B. Williams	1920	Dr	6	2794	95	12	95	VG			D, S	H	Belly River	0–15 stratified cl, 15–75 quicksand, 75–95 hardpan, bottomed in fine light colored sd; total solids 4026, ignition loss 182, hardness 500+, sulfates 2000 (Glauber salts), chlorides 44, alkalinity 235, free ammonia 0.09, albuminoid 0.17; pumping cannot lower the water below 40 ft. (GSC–I)
NE	9	1	2	B. Williams	1920	Dr	6	2794	105	12	105	VG			S	H	Belly River	0–18 dark stratified cl, no rock, 18–78 fine light colored sd, 78–105 hardpan (ss or sh), bottomed in fine sd; fine sd sediment, white sediment (GSC–I)
NW	9	1	2		1917	D	48		20	9	20					H, A	Sandy silt	
NE	9	1	2		1916	D			28	12	28	G			S	H	Sandy silt	
NE	10	1	2		1933	D	48s	2802	12	0	2	P			D, S	VH	Recent alluvium	0–2 cl, 2–12 very fine sd; well full of water in wet seasons, lowest depth to water 8 ft. (GSC–I)
NW	15	1	2	B. Williams	1921	Dr	6	2800	120	20	60–62	VG			D, S	S, So	Belly River	0–10 sandy cl, 10–60 blue cl & sh, 60–62 quicksand (some water), 62–100 blue shaly cl, 100–120 coarse sd; white sediment in water (GSC–I)
NW	15	1	2			D	48s	2800	50	D								0–20 stratified cl, 20–23 ss, 23–50 bluish grey cl & sh, ironstones at 40 ft. (GSC–I)
SE	21	1	2		1915	D		2810	20	15	18	P			D, S	H	Recent alluvium	Brown cl, blue cl, & sd encountered; reddish sediment, hardness has increased (GSC–I)
NW	22	1	2		1915	D			14	8	14		6	60	D, S	S	Sd	
SE	27	1	2	M. Larson	1908	Dr		2815	120	16					D	S, So	Bluish mucky cl	Glauber salts present in water. (GSC–I)

NW	19	1	3		1915	Dr		2908	100	20		VG	S	S, I	Belly River	(GSC-I)
SE	1	1	4			S				F		G	S	H, Su	Black sd	Continually flowing springs (GSC-I)
SE	3	1	4			S				F			S	H, I		Reddish sediment (GSC-I)
SE	25	1	4		1913	D	48c		21	16	20	VG	N		Pale Beds	0-19.5 dr, 19.5-21 soft ss (GSC-I)
13	25	1	4		1920	D			26	19			N	A	Glacial cl	46°F (GSC-I)
NE	26	1	4		1919	D	42	2895	26	20		G	D, S	S, So	Pale Beds	0-2 gumbo, 2-26 sandy cl, no stones; white sediment (GSC-I)
SE	27	1	4	B. Williams		Dr	6c	2940	134	50	130	VG	D, S	S, I	Belly River	10-50 whitish cl, some stones, 50-60 dry sd, 60-90 bluish cl & sh, some water & sd at 80, 90-130 brownish sandy material, 130-134 sd & water; water rose very suddenly, reddish sediment (GSC-I)
SW	27	1	4			D			22							0-22 whitish cl, bottomed in sd (GSC-I)
SE	27	1	4			D			45			P				0-30 whitish cl, some sd & a little water at 30, 30-45 cl (GSC-I)
2,3	27	1	4		1919	Dr			134	84	130	3		S	Glacial sd	(GSC-I)
NE	28	1	4		1919	Dr	6c	2940	112	52		VG	D, S	S, So	Belly River	Whitish cl, dry sd at 50, bluish cl & sh, brownish sandy material encountered, bottomed in very fine dark sd; white sediment (GSC-I)
SE	28	1	4			D			30		30	VG		H	Sd	0-30 cl, bottomed in sd (GSC-I)
SW	28	1	4	Edwards	1918	Dr			105		15, 45		N	S, So	Glacial	?-65 hardpan, 65-70 gr & sd, some quicksand at 70, bottomed in sd & gr (GSC-I)
SW	28	1	4			D			15	6	12			S	Sd	12-15 sd; deserted farm
SE	29	1	4			D			18	10	18			S, A	Sd	
SW	29	1	4			S				F		G		H	Sd	(GSC-I)
NE	31	1	4			S				F		G	D, S	H		This spring flows all year round. (GSC-I)
9	32	1	4		1924	?			60		15, 60	P	S		Pale Beds	0-56 cl & gr, 56-60 soft sandrock; water at 15 ft. is alkaline. (GSC-I)
16	32	1	4		1930	D	42s		30	25		G	D, S	H	Glacial?	Bottomed in fine sd (GSC-I)
NE	32	1	4			D			38	25	35		D, S	A	Sd	35-38 sd
SE	34	1	4		1913	D	42s		22	12		G	D, S	H	Pale Beds	Bottomed in ss (GSC-I)
NE	35	1	4		1915	D	36s		17	5	15	G	S	MH	Glacial sd	Another well 30 to 40 yds. away from this well, finished in 1913, depth 14 ft., water very oily, unfit for use, well filled in now. (GSC-I)
5	9	1	5	R. Widney	1935	Dr	10	3048	1560+	+22	846	1	D	S, So	Milk River ss	(GSC-I)
12	9	1	5		1943	Dr			885	D						(GSC-I)
	23	1	7			Dr		3376								Resistivity log shows no significant permeability to depth of approx. 950 below which the Milk River sands do not contain fresh water. Some evidence of shallow permeability at approx. 265-310 & 420-450 but zones do not look encouraging for anything more than domestic supplies.
SE	3	1	8			D	48	3540	22	5		G	D, S	H		Bottomed in gr; 48°F (GSC-I)
	10	1	8			Dr		3497					D, S	H	Gr	Sandy sh to 1800, slight increase in resistivity at approx. 950-1100
NE	16	1	8		1932	D	36	3470	30	0		G	N	H	Cl	Bottomed in cl; 48°F, another well 20 ft. deep, about 30 ft. from this well, which has about 2 ft. of hard water which is used for house. (GSC-I)
NE	17	1	8			D	48	3400	24	23.5	23	P	D, S	H	Glacial cl	50°F (GSC-I)
SE	18	1	8			D	36s	3420	24	22	22	P	D, S	H		50°F (GSC-I)
8	18	1	8	Southern Alta.	1960	Dr			775		675-775	15		S	Milk River ss	0-45 grey sd, 45-675 sh, 675-775 Milk River ss

Water-Well Records, West of the Fourth Meridian (Cont'd.)

Location West of 4th Mer. Lsd or 1/4	Sec.	Tp.	R.	Driller	Year drilled	Type of well	Hole diam. (in.)	Surface elev. (ft.)	Well depth (ft.)	Water depth (ft.)	Aquifer depth (ft.)	Yield or test rate (gpm)	Test results Drawdown or recovery (ft.)	Time (min.)	Use	Quality	Aquifer	Lithologic log, chemical analysis, and remarks
SW	19	1	8		1935	D	48s	3430	7	5	5	1			D	H, A		Bottomed in ss; 45°F (GSC-I)
NW	19	1	9			S				F		G			S	S		Flow from blackish sh rock, flows all year round (GSC-I)
	29	1	9			Dr		3408										Log shows ss permeability extending from approx. 730-850; the water does not look particularly fresh.
16	2	1	10	Skyline	1958	Dr	5 1/2		85	30	65-85	10	0	15	D	MH	Glacial gr	0-8 sd & gr, 8-65 cl, 65-85 gr
SW	4	1	10		1907	D	48	3355	20	17	18-20	G			D, S	H	Glacial quicksand	0-18 cl (?), 18-20 quicksand (GSC-I)
NW	4	1	10		1912	D	48	3365	15	4					D, S	H	Glacial gr	0-15 reddish yellow cl, bottomed in gr (GSC-I)
NE	6	1	10	Henning	1958	Dr	4 1/2		210		195-200	4.5						0-100 sandy gr, 100-116 cl, 116-145 blue yellow cl, 145-197 black sh, 197-210 sh, gr layers at 200 ft.
NE	7	1	10		1932	D	72s	3425	30	26		G			D, S	H	Glacial sd	Bottomed in sd; some white sediment (GSC-I)
NW	9	1	10			D		3345	15	5		P			D, S	H	Glacial sd & gr	Bottomed in sd & gr; seepage well (GSC-I)
NW	10	1	10		1918	D	42s	3390	17	12		G			N	H, I	Glacial sd & gr	?-17 reddish cl, bottomed in sd & gr (GSC-I)
SE	11	1	10		1927	Dr		3380	400	396		G			D, S	H	Ss	Formations encountered Foremost & Pakowki, 100 br (GSC-I)
NW	11	1	10			D			15	8		G			D, S	H	Glacial	Bottomed in gr (GSC-I)
SE	13	1	10	Foremost		Dr	5c		170	25	160	VG			S	S	Sd	(GSC-I)
	16	1	10	Foremost	194?	Dr			378	60	360				P			School well
SW	19	1	10		1912	D	48	3350	35	21		P						0-12 yellow cl, 12-35 bluish ss; seepage well (GSC-I)
SW	19	1	10	Seaman	1958	Dr	4 3/4	3500	560	190		8	0	120	D, S	S		0-35 cl, 35-? sh, 82-84 ss, 84-187 sh, 187-189 ss, 189-236 blue sh, 236-237 ss, 237-365 blue sh, 365-380 soft blue ss, 380-394 blue sh, 394-405 blue ss, 405-526 blue sh, 526-560 Milk River ss
NW	20	1	10		1920	D	42s	3375	53		53	1			D, S	S, So	Ss	0-20 cl, 20 seam of sd & gr, 20-36 sh, 36-53 ss (GSC-I)
SE	22	1	10		1930	D	42s	3395	9	4		G			S	S, So	Glacial	0-9 blue gumbo cl (GSC-I)
NW	23	1	10		1928	D		3285	39	19	19, 39				N	H, A	Glacial gr & cl	0-7 cl, 7-24 gr, 24-39 lighter colored cl; water is unfit for man or stock and has a bad taste. (GSC-I)
	24	1	10	Henning		Dr	4 1/2		80	F		8					Cl	0-20 cl, 20-47 sandy cl, 47-68 cl, 68-80 ss & gr, 80 br
NE	24	1	10	W. Maughan	1933	Dr	6	3325	60	18		1			D, S	MH		0-7 top & sub soil, 7-60 brownish sandy material, no rocks, bottomed in sd (GSC-I)
SW	27	1	10		1910	D			20	5		G			D, S	H	Glacial gr	Bottomed in gr (GSC-I)
SE	28	1	10		1930	D	48s	3265	14	8	8	P			D	H	Glacial gr	0-8 ?, 8-13 gr, 13-14 blue gumbo, no stones; seepage well (GSC-I)
NW	29	1	10			S				F					S	S, So		Small flow in winter, used for domestic purposes prior to wells being dug in this area (GSC-I)
	29	1	10			Dr		3264										Resistivity is strong, with the permeable Milk River ss principally below 530-610.

SE	32	1	10			S			F						S	S, So		Flow year round, small flow in winter (GSC-I)
NE	36	1	10			S									S	S		This is not a flowing spring, but a fair supply when dug out a few ft. (GSC-I)
NW	36	1	10			S			F						S	S		(GSC-I)
3	1	1	11	Skyline	1958	Dr	5 1/2		125	25	120-125	10	55 -30	15 60	D	MH	Sd	0-90 cl, 90-120 cl & gr, 120-125 sd
NE	1	1	11		1919	D	48s	3550	15	3	15	G			D, S	H	Glacial cl	0-15 cl; 47°F (GSC-I)
SW	2	1	11	Hunt	1930	D	48s	3385	20	12	18	G			D	MS	Sd	0-1 topsoil, 1-3 gumbo, 3-4 seam of sd & gr, 4-18 gumbo, 18-20 fine sd; 47°F (GSC-I)
NW	4	1	11	Warberg	1933	D	48	3450	20	10	20	G			D, S	S	Glacial cl	0-20 cl; 47°F (GSC-I)
NE	6	1	11	Foremost	1953	Dr			260		260	1.5			S			
NE	6	1	11	Foremost	1953	Dr			180	140	160-180	P			S			
13	6	1	11	Skyline	1958	Dr	5 1/2		190	D								0-10 cl, 10-190 hard dry sd
NW	6	1	11	Skyline		Dr	5 1/2		150	D								0-145 cl, 145-150 sd
NW	9	1	11	Skyline	1958	Dr	5 1/2		210	D								0-165 cl, 165-168 sd, 168-210 sh
NE	9	1	11	Knappen	1915	D	54	3410	13	0	13	P			D, S	H	Glacial cl	0-13 cl; 47°F (GSC-I)
SE	10	1	11			D	48s	3365	10	6	10				D	H	Glacial gr	0-10 cl, bottomed in gr; 47°F (GSC-I)
SE	12	1	11			D	48s	3500	8	2	8				D	H	Glacial gr	0-8 cl, bottomed in gr; 48°F (GSC-I)
SW	15	1	11			D	48	3315	15	4	15				D, S	H	Glacial gr	0-15 cl, bottomed in gr; 48°F (GSC-I)
12	16	1	11	Skyline		Dr	5 1/2		210	50	170-210	10	40 -40	25 90	D	S, So		0-48 cl, 48-65 sd & gr, 65-88 cl, 88-90 ss, 90-210 sh & ss ledges
12	16	1	11	Skyline	1958	Dr	5 1/2		300	55	264-300					S, So		0-73 cl, 73-78 gr, 78-100 cl, 100-210 hard sh, 210-258 sh, 258-264 ss, 264-300 sh
NW	16	1	11	Lippa	1934	D	48	3350	20	0					N	MH	Glacial cl	Seepage from slough, water unfit for man or stock 47°F (GSC-I)
NE	21	1	11			Dr	6	3360	100+	60?		G			D, S	MS, So	Ss	Can be pumped steadily, 47°F (GSC-I)
6	21	1	11	Imperial Oil		Dr		3361	2918		205		1		N			0-150 Glacial (?), 150-230 Upper Milk River, 230-450 Lower Milk River, 450-2010 Benton, 2010-2710 Blairmore Kootenay, 2710-2918 Ellis, 2918 Madison; also water at 290-300, 1720-1780, 2020-2030, 2705-2712 (rose to 800), 2845 (rose to 200) (GSC-I)
1	23	1	11	Skyline	1958	Dr	5 1/2		85	10	53-85	5	70 -70	10 60		S, So		0-15 sd & gr, 15-50 sh, 50-53 ss, 53-74 sh, 74-76 ss, 76-85 sh
NE	27	1	11			D	48s	3320	12	0	12	G			D, S	H	Glacial cl	0-12 cl; 46°F (GSC-I)
	28	1	11			Dr		2268	1000		321						Milk River	Resistivity log shows permeable formation through total depth. Milk River sands above 321 with sh & sandy sh from here to 1000.
9	29	1	11	Imperial Oil		Dr		3275	2797		175							0-95 dr, Madison Formation at 2783; also water at 870, 1590-1620, 1650-1665, 1930-1950, 2638-2650 (GSC-I)
11	29	1	11	Canadian Oil	1925	Dr	8	3275	200						D, S	S, So	Ss	44°F (GSC-I)
SW	32	1	11		1925	Dr	6	2999	60	20?	60				N	S, So	Ss	Water used for an oil rig, but is now plugged. (GSC-I)
5	32	1	11	Imperial Oil		Dr		2999	2758		15							0-190 Glacial, 190-200 coal, 210-280 coal, 190-2070 Benton, 2070-2354 Blairmore Kootenay, 2354-2555 Sunburst, 2555-2758 Madison; sulfur at 60 & 300 ft. (GSC-I)
	1	1	12			Dr		3660	2900									0-295 Milk River, 295-2040 Colorado, 2040-2575 Dakota (Lower Cretaceous), 2575-2770 Jurassic, 2770-2800 Permian-triassic, 2800-2900 Carboniferous (GSC-I)

Water-Well Records, West of the Fourth Meridian (Cont'd.)

Location West of 4th Mer. Lsd or 1/4	Sec.	Tp.	R.	Driller	Year drilled	Type of well	Hole diam. (in.)	Surface elev. (ft.)	Well depth (ft.)	Water depth (ft.)	Aquifer depth (ft.)	Test results: Yield or test rate (gpm)	Drawdown or recovery (ft.)	Time (min.)	Use	Quality	Aquifer	Lithologic log, chemical analysis, and remarks
NE	2	1	12	Foremost	1953	Dr	5c		280+	260		G						(GSC-I)
SE	7	1	12	Renbar	1961	Dr	5 5/8		540	110		4		1440	D, S			0-10 soil, 10-90 grey cl, 90-420 blue cl & ss stringers, 420-540 Milk River ss (GSC-I)
NW	8	1	12	Northwest	1926	Dr	6	3590	250	D								
NE	9	1	12			D	48s	3540	14	8					D, Ir	H	Glacial gr	48°F (GSC-I)
NW	10	1	12			S		3400				P			D, S	H		Amount of water decreases in dry years. (GSC-I)
NW	11	1	12			D	48	3455	10	8	10	G			D	MH	Glacial gr	48°F (GSC-I)
NE	12	1	12		1915	Dr	6	3435	156	40	141				D, S	VH, I	Milk River	0-140 gumbo, 140-141 ss, 141-156 gumbo; lime present in water (GSC-I)
NE	13	1	12		1910	D	48	3310	12	4	8				D, S	H, I	Milk River	0-8 cl; 48°F (GSC-I)
SW	15	1	12			S		3475				G			D, S	H		Flows all year round (GSC-I)
SE	16	1	12		1917	B	36		95	70	90				D, S	A		90-95 sd
	18	1	12			Dr		3540	2500									Well in area of Milk River ss outcrops and log is too deep to show any indication of permeability in Milk River Sands, 320-1230 relatively featureless sh segments, 1230-1850 sandy sh & lime streaks, 1850-2460 permeable zone, 2460-2500 permeable ss
NE	18	1	12		1910	D	48s	3450	12	0	12	<1			D, S	H	Glacial cl	46°F (GSC-I)
SW	21	1	12		1935	D	48s	3350	9	2	9	G			D, S	H	Glacial gr	45°F (GSC-I)
SE	21	1	12		1918	Dr	6	3410	155	120	133	P			D, S	S, So	Milk River ss	(GSC-I)
SW	23	1	12			D	48s	3346	8	4	8				D	H	Glacial gr	48°F (GSC-I)
NE	23	1	12			D	48s	3335	10	5	10	G			D	H	Glacial gr	(GSC-I)
SW	24	1	12		1934	D	48s	3300	12	0	12	P			D, S	S, So	Glacial sandy cl	47°F (GSC-I)
	32	1	12			Dr		2960E	3581		10,30							0-40 dr, 40-170 Lower Milk River, 170-1920 Benton, 1920-2375 Blairmore Kootenay, 2375-2518 Ellis, 2518-3230 Madison, 3230 Devonian; also water at 1437, 1590, 1663, 1770, 1897, 2520, and 2547 ft.
SW	36	1	12			D	48s	3160	12	0	12				D, S	H	Glacial gr	46°F (GSC-I)
NW	36	1	12			Dr	6	3140	100?	?		G			D, S	S	Br	(GSC-I)
NE	3	1	13			D	48s	3300	12	8	6	G			D, S	H	Milk River	44°F, not used (GSC-I)
NE	7	1	13		1930	Dr	6	3345	300	10	6	G			D, S	VH, I	Milk River	0-15 cl; 45°F (GSC-I)
SW	16	1	13		1920	Dr	6	3400	125	90?		G			D, S	H	Milk River	44°F (GSC-I)
	16	1	13			Dr		3292	1450									Resistivity log shows 434-1150 sh, 1150-1450 no permeability, no evidence of Milk River Sands below casing at 434 ft. (GSC-I)
SW	17	1	13		1929	D	48	3320	12	2	11	G			D	H	Glacial sd	0-2 topsoil, 2-4 chocolate cl, 4-11 white cl, 11 sd, bottomed in cl (GSC-I)
E 1/2	21	1	13		1930	Dr	6		150?	125		.5			S	H	Milk River	Harmful to man (GSC-I)
SE	36	1	13		1916	Dr	36?		54	36	50				I			50-54 rock
NW	1	1	14			D	30	3340	33	10		G			S	VH	Glacial sd	43°F (GSC-I)
NE	5	1	14			S									S			(GSC-I)
NE	6	1	14		1917	Dr	2		131	20		G			S	S	Milk River ss	(GSC-I)

SE	6	1	14			D	48s	3450	100			G			D, S	S, So	Milk River ss	(GSC-I)
SE	6	1	14			Dr	5, 3c		2002?	375					D, S	S, So	Milk River	Colorado, Kootenay, little coarse ss at 2002 with very fine ss, sandy sh below (GSC-I)
NE	7	1	14		1919	Dr	6	3455	160	?		G			D, S	S, So	Milk River ss	(GSC-I)
NW	7	1	14		1924	Dr	6, 3	3465	166	121		P			D, S	S	Milk River ss	Water salty, 44°F (GSC-I)
SW	9	1	14		1909	D	36	3370	14	6	12				D, S	S, So	Dr	0-4 topsoil, 4-10 cl, 11 ss, 12 quicksand (GSC-I)
SE	9	1	14		1912	Dr	2c	3345	68	48	68				N	H, A, I	Milk River	Bad odor, laxative, 44°F (GSC-I)
NW	10	1	14		1912	D, B	48s	3400	80	74		G			D, S	MH, A	Milk River	Dug 60 ft., bored 20 ft., 44°F (GSC-I)
NE	13	1	14		1925	Dr	6	3332?	160	?					S	H, A, I	Milk River	Not very good for stock, 45°F (GSC-I)
NW	14	1	14		1912	Dr	5	3342	96	60	88	G			D, S	S, So	Milk River ss	44°F, in this locality, two or three 200 ft. wells have been dug, at 200 ft. a hard sh is struck and the water is unfit for use, these holes are now (1934) filled in.
NE	15	1	14		1912	D, Dr	48s, 6	3375	80	42	65	G			D, S	H, A, I	Milk River ss	0-4 grey cl, 4-9 sd (small seepage), 9-13 blue cl, 14 red sd, bottomed in cl; dug 50 ft., drilled 30 ft., seepage at 50 ft. (GSC-I)
SW	16	1	14		1934	D	24	3385	25	14	14	G			D, S	MH, I	Glacial sd (red)	(GSC-I)
SE	16	1	14		1915	D	48	3400	20	15		G			D, S	H, A	Glacial gr	44°F (GSC-I)
NE	16	1	14		1928	D	48s	3380	12	4	11	G			D, S	H, A	Glacial sd	44°F, similar 16 ft. well in basement, dug in 1934 (GSC-I)
NW	18	1	14		1914	Dr	6?		150	140	150	G			D, S	S	Milk River ss	(GSC-I)
NW	19	1	14		1912	Dr	3	3410	155	135	155	P			D, S	S, So	Milk River ss	Quicksand (GSC-I)
NE	20	1	14		1917	Dr	4	3460	220	155					D, S	S, So	Milk River ss	44°F (GSC-I)
	1	1	15	Coutts and Sweetgrass Oils		Dr	9c	2852								Su		0-11 dr, 11-186 Milk River (other formations encountered were Benton, Dakota, Kootenay, Ellis), well bottomed in Madison; water at 1330-1360, 1660-1665, 1700-1705, 2424, 2465-2467, and 1430-1440 ft. (GSC-I)
2	4	1	15	Urban Oil		Dr		3465	3427	F	30, 60, 90							2625 limestone (GSC-I)
SW	4	1	15	Maple Leaf	1933	Dr	4	3470	275	124		20	-16 -16		I	S, So	Gr	0-7 yellow cl, 7-15 drills like sandrock, 15-40 boulders, gumbo & some gr mixed in gumbo, 40-68 dark gr (almost impossible to make hole, little water) 68-78 sd & a little gr, 78-83 straight gr, 83-100 gr, 100 boulders, 100-120 gr, 120-140 fine gr (hardly any bottom, drills fast & easy), 140-158 sticky gumbo & pebbles, 158-170 boulders & gumbo, 170-180 fine sd, 181 fine gr with coal specks (drills slow), 181-186 fine gr, 186-190 sd, gr, 190-240 sandy sh, 240-275 dark sh; at the 200 ft. level screen run in on 5 5/8 in. casing, well produced about 8 gpm. Next, 10 ft. of screen put on bottom of 8 1/4 in. casing & jacked up 5 ft. at a time making tests at each stop until it was at 171 ft., each test showed a decreasing supply. At this point the screen was pulled and casing driven to a depth of 188 ft. Drilling continued on

Water-Well Records, West of the Fourth Meridian (Cont'd.)

Location West of 4th Mer. Lsd or 1/4	Sec.	Tp.	R.	Driller	Year drilled	Type of well	Hole diam. (in.)	Surface elev. (ft.)	Well depth (ft.)	Water depth (ft.)	Aquifer depth (ft.)	Test results: Yield or test rate (gpm)	Drawdown or recovery (ft.)	Time (min.)	Use	Quality	Aquifer	Lithologic log, chemical analysis, and remarks
																		from 200-275 ft. Then a screen was run in on 5 5/8 in. liner and bail tested. Well was pumped continuously by 4 in. pump at 20 gpm. (GSC-I)
SW	4	1	15		1931	Dr	8 1/4	3470	340	165	175				I	S, So	Gr	Water used for a refinery, 45°F (GSC-I)
SE	12	1	15			Dr		3470	150	105	150	G			D, S	S	Gr	42°F (GSC-I)
NE	15	1	15		1930	D	48s	3450	45	22?		P					G	(GSC-I)
NW	15	1	15		1930	D	48s	3430	42	25	25				D, S	H	Glacial gr	43°F, another well 22 ft. deep produces <1 gpm. (GSC-I)
NE	24	1	15		1935	D, Dr	48s, 3	3415	201								Milk River ss	Caved in (GSC-I)
SW	25	1	15		1935	D	48s	3391	17	14	17	G			D, S	S	Glacial cl	44°F, another well 22 ft. deep is not used. (GSC-I)
SW	35	1	15			S						G			D, S	H, A	Glacial	(GSC-I)
8	3	1	16			Dr		3493	2532	30	60						Milk River	175-200 Colorado, 1880-2360 Blairmore, 2360-2420 Sunburst, 2420-2530 Ellis, 2530-2532 Madison; water at 60, 1385-1835, 2408 & 2530 ft., well abandoned (GSC-I)
8	3	1	16			Dr		3503	2442	0	70					S, So	Milk River	200 Milk River, 200-1939 Benton (1180-1220 Bentonils), Vanitta sd at 2330, Sunburst sd at 2350; total solids 1492, sodium 400, calcium 66, magnesium 35, chlorides 17, sulfates 712, bicarbonates 505, water at 140 ft.- total solids 1430, sodium 385, calcium 58, magnesium 32, chlorides 27, sulfates 692, bicarbonates 433, water at 1395 ft. - total solids 5226, sodium 1285, calcium 114, chlorides 1894, sulfates 46, bicarbonates 2953, well produced <1 gpm at 1900 ft. and 1.5 gpm at 1395 ft. (GSC-I)
1	3	1	16			Dr		3503	2425		70						Milk River	1890 Benton (GSC-I)
10	3	1	16		1930	Dr		3534	2770	400	110-125					S, So	Milk River	200 Milk River, 200-1980 Benton, Blairmore Kootenay, 1980-2570 Kootenay, 2570-2620 Ellis, 2620-2770 Madison; water at 110 ft. and 125 ft. - total solids 1464, sodium 542, calcium 6.4, magnesium 2.8, chlorides 95, sulfates 434, bicarbonates 706, carbonates 25, water at 1455-1465 ft. - sodium 2159, calcium 8, magnesium 3.8, chlorides 1957, sulfates 13, bicarbonates 2011, carbonates 186, water at 2535 ft. - total solids 6330, sodium 2522, calcium 34, magnesium 43, chlorides 1122, sulfates 8.6, bicarbonates 5067, water at 2614 ft. - total solids 3566, sodium 1406, calcium 25, magnesium 25, chlorides 610, sulfates 54, bicarbonates 2810 (GSC-I)

2	4	1	16			Dr		3585	2549	65	85	1.13			S, So	Milk River	0-85 dr, 85-95 Milk River ss, 300-1900 Benton Blairmore Kootenay; water at 1900 produced < 1 gpm, water also at 2515 ft. (GSC-I)
3	4	1	16			Dr		3575	2491		95					Milk River	190 Milk River, 200-1930 Benton, 2470 Sunburst Ellis; water also at 1875 ft. (GSC-I)
3	4	1	16			Dr		3584	2507	70	120-125					Glacial dr	0-130 dr, 130-200 Milk River, 200-1950 Benton Blairmore Kootenay; water at 120-125 ft. is fresh, also water at 1880-1890 ft. (GSC-I)
3	4	1	16			Dr		3584	2418		125					Glacial dr	210 Milk River, Colorado, Blairmore Kootenay; also water at 1895 ft. rose to 1100 ft. (GSC-I)
3	4	1	16			Dr		3580	2489	70	85-95 110-115	4.5				Milk River	Colorado, Blairmore Kootenay, 2445 Sunburst; water also at 1875 ft. (GSC-I)
3	4	1	16			Dr		3573	2494	83	123-133				S, So	Milk River	Water also at 1875-1880 ft. (salt present), produced 3 gpm. (GSC-I)
7	5	1	16			Dr		3545	2695		59					Glacial dr	0-150 dr, 150-1870 Benton, 1870-2540 Kootenay, 2540-2695 Ellis (GSC-I)
	6	1	16			Dr		3715								Milk River sd	Casing length is 385 ft. which is approx. the base of the Milk River ss, with no indication of permeability below this point.
15	7	1	16			Dr			220	80	97, 125					Glacial dr	(GSC-I)
15	7	1	16			Dr		3549			87, 120					Milk River ss	0-120 dr, 120-320 Milk River, 320-2100 Benton, 2100 Blairmore Kootenay; water also at 1630 ft. total solids 4752, sodium 1854, calcium 12, magnesium 3.3, chlorides 2338, sulfates 34, bicarbonates 907, water also at 2510 ft. & 2585 ft. (GSC-I)
4	10	1	16		1930	Dr		3506	2522	35	65-70					Milk River ss	100 Milk River, Benton, 1140 Colorado, 1160 Blackleaf, 1900 Blairmore Kootenay, 2100 carboniferous, 2522 Ellis; water also at 2505 ft. (GSC-I)
4	11	1	16			Dr		3505	2655	70	90-95					Milk River ss	170 Benton, 2435 Blairmore Kootenay, 2435-2580 Ellis, 2580-2655 Madison; water at 2560 ft. is sulfurous, water also at 1690 ft. & 1880 ft. rose to 300 ft. (GSC-I)
SW	12	1	16			S		3454				G		D	H	Milk River ss	(GSC-I)
4	17	1	16			Dr		3534	2705	400	15, 95					Glacial dr	0-110 dr, 110-300 Milk River, 300-2040 Benton Blairmore, 2040-2580 Kootenay, 2580-2660 Ellis 2660-2705 limestone; water at 1590 ft., water also at 2545 ft. rose to 500 ft., & water at 2650 ft. rose to 400 ft. - total solids 3640, sodium 1257, calcium 18, magnesium 152, chlorides 645, sulfates 144, bicarbonates 2864 (GSC-I)
SE	18	1	16			Dr	8	3562	63	52	63			D, S	H	Glacial cl	43°F (GSC-I)
3	21	1	16			Dr		3545	2753		143, 165				S, So	Glacial cl	300 Milk River Benton, 2070-2570 Blairmore Kootenay, 2570-2680 Ellis, 2680-2752 limestone; water also at 2015 ft. - total solids 10,978, sodium 3936, calcium 50, magnesium 17, chlorides 5500, sulfates 46, bicarbonates 1157, water at 2560-2588 ft. rose to 400 ft. - total solids 4186, sodium 1626, calcium 17, magnesium 17, chlorides 588, sulfates 67, bicarbonates 2645, water also at 2753 ft. (GSC-I)
NW	22	1	16		1917	Dr		3677	262	D						Pakowki, Milk River	(GSC-I)

Water-Well Records, West of the Fourth Meridian (Cont'd.)

Location West of 4th Mer. Lsd or 1/4	Sec.	Tp.	R.	Driller	Year drilled	Type of well	Hole diam. (in.)	Surface elev. (ft.)	Well depth (ft.)	Water depth (ft.)	Aquifer depth (ft.)	Test results: Yield or test rate (gpm)	Drawdown or recovery (ft.)	Time (min.)	Use	Quality	Aquifer	Lithologic log, chemical analysis, and remarks
NW	23	1	16		1920	Dr	6	3538	100+			G			S	S, So	Pakowki	(GSC-I)
NW	24	1	16		1936	D	48s	3463	12	9		P			D, S	H	Pakowki	8 ss (GSC-I)
NE	26	1	16		1926	D	36c	3341	60	55					D, S	H	Pakowki	(GSC-I)
NE	29	1	16		1931	D	42c	3530	20	10		G			D	S	Glacial cl	(GSC-I)
NW	32	1	16		1932	D	48s	3500	9	8					D	S	Glacial sd	(GSC-I0
NW	33	1	16		1929	D	36s	3500	17	15					D, S	H	Glacial sd	(GSC-I)
SW	34	1	16		1930	Dr	6	3575	258	168		1			D	S	Pakowki	18 br (GSC-I)
NE	34	1	16		1932	D	36c	3418	28	23		G			D, S	H	Glacial sd	(GSC-I)
SE	1	1	17			S		3592							D	S		(GSC-I)
	2	1	17			Dr		3660	1400									Resistivity log shows no indication of permeability through 1400.
1	2	1	17			Dr		3640	2646		24, 345						Milk River ss	440 Milk River, 1400 Colorado, 2130 Blackloff?, 2646 Blairmore; also water at 2640 ft. which rose to dr. (GSC-I)
1	2	1	17			Dr		3640	1665		20-25, 80-90, 213					S, So	Milk River ss	Water at 20 to 25 (in gr) and 80-90 (in quicksand) when analyzed showed total solids 412, sodium 24, calcium 84, magnesium 23, chlorides 18, sulfates 95, bicarbonates 230. Also water at 213 showed total solids 1000, sodium 290, calcium 53, magnesium 21, chlorides 18, sulfates 352, bicarbonates 557. (GSC-I)
SE	2	1	17		1920	Dr	6	3662	60	45					D, S	H, A	Milk River	Well now used for house only. (GSC-I)
NW	5	1	17		1923	Dr	6	3976	228	158		G			D, S	S, So	Pakowki?	(GSC-I)
SE	12	1	17		1930	D	48s	3630	35	27					D	H	Glacial gr	(GSC-I)
SE	13	1	17		1936	D	48s	3548	45	45		P			D	H	Pakowki	Enough for an occasional drink (GSC-I)
	14	1	17			Dr		3803	575									
NE	14	1	17			D		3702	14	8					D	H	Pakowki	(GSC-I)
NW	16	1	17		1914	D	60s	3932	15	10					S	H	Glacial gr	(GSC-I)
NE	17	1	17		1911	D	36c	3980	22	18					D	H	Glacial gr & sd	(GSC-I)
SW	17	1	17		1928	D	48s	3992	20	18					D	H	Glacial gr	(GSC-I)
	19	1	17			Dr		3900	850									
SE	19	1	17		1912	D	48s	3998	16	6	15	G			D, S	H	Glacial gr	(GSC-I)
NE	20	1	17		1930	D	48c	4016	14	9					D	H	Glacial gr	(GSC-I)
NE	21	1	17		1910	D	36c	3946	24	14	14	1			D	H	Glacial gr	(GSC-I)
SE	21	1	17		1926	D	60c	3928	20	7		VG			D, S	H, A	Glacial gr & sd	(GSC-I)
SW	21	1	17		1912	D	42s	3957	14	11					D, lr	H	Glacial cl	(GSC-I)
NW	24	1	17		1911	D		3732	24	8		VG			S	H	Glacial quicksand	Bitter water (GSC-I)
SE	25	1	17			S		4590				VG			D, S	S		46°F (GSC-I)
SE	26	1	17		1929	D	36c	3698	27	24		P			D	S		Also spring (GSC-I)
NE	27	1	17		1920	D	42s	3900	18	14		VG			D, S	H	Glacial gr	(GSC-I)
SW	27	1	17		1921	D	48s	3880	15	14		P			D	H	Glacial cl	(GSC-I)
NW	27	1	17		1919	D	48s	4000	16	10					D, S	H	Glacial cl	(GSC-I)
SE	28	1	17		1924	D	48s	3970	32	31					S	H	Glacial gr	Bitter water (GSC-I)

NE	28	1	17		1926	D	48s	3963	17	10					D	H	Glacial cl	(GSC-I)
NW	31	1	17		1921	D		3795	15	12					D	H	Pale Beds	(GSC-I)
NE	33	1	17		1914	D	48s	3864	30	22					D, S	H, A	Glacial cl	(GSC-I)
NW	34	1	17			Dr		3845	67	59					D	H	Glacial gr	A bad odor (GSC-I)
NW	35	1	17		1911	D	48c	3605	20	14					D, S	S	Glacial sd	Never dry, supplies 3 farms (GSC-I)
NW	36	1	17		1912	D	36x60	3676	12			VG			S	S, So	Foremost	(GSC-I)
NE	36	1	17		1910	D	48s	3625	40	25					D, S	H	Foremost	20 ss (GSC-I)
	15	1	19		1929	Dr			700	F					S		Milk River	(GSC-I)
5	17	1	19			Dr		3850?	464	40	112						Pale Beds	(GSC-I)
7	17	1	19			Dr			412	90	116						Belly River	(GSC-I)
12	18	1	19			Dr		3854	509		96						Belly River	(GSC-I)
15	18	1	19			Dr			441	90	120						Belly River	(GSC-I)
5	20	1	19			Dr		3820	539		121,249						Belly River	(GSC-I)
15	20	1	19			Dr			623								Belly River	212-229 coal; gas at 429and 465 ft.
11	27	1	19			Dr			364?								Foremost	8 dr, 32 yellow sd, 56 grey sd & fine cl, 72 coarse sd & oxidized quartz (GSC-I)
SW	1	1	20		1928	Dr		3928	80	60		G			S	H	Bearpaw	Water bitter (GSC-I)
SW	2	1	20		1930	D	60s	3908	6	2					D, S	H	Glacial dr	(GSC-I)
SE	3	1	20		1924	D	48s	3940	22	20					D, S	H	Glacial gr	(GSC-I)
NW	5	1	20		1936	D		3980	34								Glacial cl	Small seepage at 34 ft. (GSC-I)
SW	10	1	20		1927	D	48c	3935	10	8					D, S	H	Glacial sd	(GSC-I)
NE	10	1	20		1931	D		3915	17	16					D, S	H	Glacial gr	(GSC-I)
	10	1	20			Dr		3939	720									Resistivity log shows 640-720 Lower Milk River Sands, great indication of salt?
SE	13	1	20		1930	D	48s	3875	13	11					D		Glacial cl	(GSC-I)
NE	13	1	20		1930	Dr	6	3906	136	65		G			D, S		Bearpaw	112 Bearpaw (GSC-I)
NE	14	1	20		1915	Dr	6	3953	102	28		G			D, S		Bearpaw	(GSC-I)
SW	15	1	20		1930	D	48s	3920	20	17					D, S		Glacial sd	(GSC-I)
NW	16	1	20		1916	D	48s	3997	21	18					D		Glacial gr	(GSC-I)
SE	17	1	20		1926	Dr		3960	108	83	100-108				N		Glacial sd	16 cl, 100 quicksand (GSC-I)
NE	21	1	20		1927	D	36s	3950	20	16					D, S		Glacial sd	(GSC-I)
SE	21	1	20		1920	D	60s	3975	12	6					D, S		Glacial gr	(GSC-I)
NW	22	1	20		1925	D	48s	3945	15	10		G			D, S		Glacial sd	(GSC-I)
NE	23	1	20		1935	D	36c	3890	15	4					D, S		Glacial gr	(GSC-I)
SW	24	1	20	Northern Water Supply	1959	Dr	5	3900	36	17	32, 34	15	19 -19	60 ?	D			0-6 silty cl, 6-14 gr & sd, 14-27.5 cl, pebbles & boulders, 27.5-34 ss, 34-36 grey sh
SE	31	1	20			Dr		4153							D, S	H		
SW	31	1	20		1917	D	48s	4135	20	16					D, S	S	Glacial cl	(GSC-I)
SE	33	1	20		1916	D	48s	4058	20	19					D	H	Glacial sd	(GSC-I)
16	34	1	20			Dr		4145			25, 100, 135, 3670						Bear Paw	440 Foremost; also water at 3900-4005, plug set at 3870
NW	35	1	20		1919	D		4020	10	7		VG			D, S	H	Glacial gr	(GSC-I)
NE	36	1	20		1935	D	48s	3918	14	13		P			D	H	Glacial gr	(GSC-I)
13	36	1	20			Dr			150		150						Glacial	Total solids 1150, sodium 328, calcium 41, magnesium 32, chlorides 21, sulfates 351, bicarbonates 675 (GSC-I)
SW	1	1	21		1918	D		4022	16	13					D, S	H	Glacial dr	41°F (GSC-I)
SE	5	1	21	G. Leismeister	1963	Dr						P						0-2 dr, 2-11 gr, 11-13 ss, 13-60 sh, bottom ss
SE	5	1	21	G. Leismeister	1964	Dr	4		145	21		4	80 -80 -59	30 30 30	D	MH		0-3 fill dirt, 3-17 gr, 17-60 brown cl, 60-100 blue sh, 100-140 ss, 140-145 soapstone, 145-150 blue sh, bottomed in soapstone

Water-Well Records, West of the Fourth Meridian (cont'd.)

Location West of 4th Mer. Lsd or 1/4	Sec.	Tp.	R.	Driller	Year drilled	Type of well	Hole diam. (in.)	Surface elev. (ft.)	Well depth (ft.)	Water depth (ft.)	Aquifer depth (ft.)	Test results: Yield or test rate (gpm)	Drawdown or recovery (ft.)	Time (min.)	Use	Quality	Aquifer	Lithologic log, chemical analysis, and remarks
	5	1	21	G. Leismeister	1964	Dr			200			D						0-5 cl, 5-17 gr, 17-19 cl, 19-30 gr, 30-80 cl, 80-200 blue sh
NW	6	1	21		1925	D		4322	20	18					D,S	H	Glacial dr	Water has ill effects (GSC-I)
NE	6	1	21		1927	D		4316	35	30		P			D,S	H	Glacial dr	(GSC-I)
SE	7	1	21		1922	D		4256	14	8		75			D,S	S	Glacial gr	44°F (GSC-I)
NE	7	1	21		1932	D		4299	13	5		VG			D,S	S	Belly River	(GSC-I)
SW	8	1	21		1933	D		4309	20	18					D,S	H	Belly River	(GSC-I)
NE	9	1	21		1933	Dr		4300	65	56		VG			D,S	S	Bearpaw	(GSC-I)
SW	9	1	21		1933	D		4275	30	21					D	S	Belly River	(GSC-I)
NE	10	1	21		1927	D		4282	25	20					D,S	H	Belly River	(GSC-I)
SW	13	1	21		1923	D		4054	37	26		VG			D,S	H	Recent alluvium	(GSC-I)
SW	15	1	21		1920	D		4287	24	16					D,S	H	St. Mary's River	(GSC-I)
NW	15	1	21		1931	D		4288	93	35					D	S	St. Mary's River	(GSC-I)
NW	16	1	21			D		4286	3	F					D,S	H	St. Mary's River	(GSC-I)
SE	17	1	21		1926	D		4275	25	22					D,S	H	Glacial gr	(GSC-I)
NE	18	1	21			S		4229		F		VG			D,S	H	Belly River	(GSC-I)
NE	19	1	21		1930	Dr		4295	70	68					D,S	S	Glacial gr	44°F (GSC-I)
SW	20	1	21		1936	D		4179	8	F					D	H	Belly River	4-8 ss (GSC-I)
NW	23	1	21			S		4078		F		<1			D,S		Glacial gr	Well almost dry in 1935 (GSC-I)
NE	25	1	21		1920	D		4070	5	4		G			D,S	S	Glacial cl	(GSC-I)
SW	27	1	21		1922	D		4115	6	4					D,S	H	Glacial gr	(GSC-I)
SW	28	1	21		1926	D		4162	8	0		G			D,S	S	Bearpaw	2 br (GSC-I)
SE	29	1	21		1926	D		4210	10	0		G			D,S	S	Bearpaw	2 br; 44°F (GSC-I)
SE	30	1	21		1927	D		4298	50	40					D	H	Blood Reserve	46 br (GSC-I)
NE	33	1	21		1933	D		4143	7	6					D	H	Glacial cl	Terminal moraine (GSC-I)
SW	33	1	21		1935	D		4105	10	6					D	H	Glacial cl	Terminal moraine (GSC-I)
SE	33	1	21		1928	D		4200	35	30					D,S		Bearpaw	25 br (GSC-I)
SE	34	1	21		1926	D		4086	15	11					D	H	Br	Seepage (GSC-I)
SE	35	1	21		1918	D		4096	24	8		G			D	So		16 br; water is bitter (GSC-I)
SE	36	1	21		1927	D		4100	22	20					D	H	Glacial gr	(GSC-I)
NW	1	1	22		1912	D		4368	60			P			N	H	Belly River	22 br (GSC-I)
NE	1	1	22		1920	D		4276	14	11		G			D,S		Glacial gr	Also has another 8 ft. well. (GSC-I)
SW	2	1	22		1920	D		4446	20	18		G			D,S	S	St. Mary's River	5 br; 45°F (GSC-I)
NW	3	1	22		1914	D		4345	15	14		G			D,S	S	St. Mary's River	12 br; 44°F (GSC-I)
NE	3	1	22		1920	D		4328	8	5		G			D,S	S	St. Mary's River	6 br (GSC-I)

NE	4	1	22	1929	D		4332	17	11		D,S	S	St. Mary's River	11 br (GSC-I)
SW	5	1	22	1931	D		4418	16	5		D,S	S	St. Mary's River	5 br (GSC-I)
NE	5	1	22	1928	D		4380	11	9		D	S	St. Mary's River	9 br; 46°F (GSC-I)
NW	7	1	22	1912	D		4347	14	11	<1	D	H	St. Mary's River	8 br (GSC-I)
NE	8	1	22	1931	D		4283	9	8		D	S	St. Mary's River	7 br; 46°F (GSC-I)
SE	9	1	22		D		4300	2	1		D,S	S	Edmonton	1 br (GSC-I)
NW	9	1	22	1936	D		4300	25	14	G	D,S	S		22 br (GSC-I)
NW	11	1	22		Dr		4317	264					Bearpaw	60–64 coal, water (GSC-I)
NE	12	1	22	1935	D		4298	34	30	VG	D,S	H	Glacial gr	46°F (GSC-I)
NE	13	1	22	1935	D		4200	15	13		D,S	H	Glacial sd	46°F (GSC-I)
SE	14	1	22	1916	D		4255	8	5	G	S	S	St. Mary's River	6 br (GSC-I)
SW	14	1	22	1923	D		4280	16	13	P	D,S	H	St. Mary's River	(GSC-I)
NE	14	1	22	1921	D		4305	55	45	P	D.	S	St. Mary's River	40 br (GSC-I)
SW	15	1	22	1917	D		4280	7	6		S	H	St. Mary's River	(GSC-I)
NE	15	1	22	1921	D		4323	52	42		D,S	H	St. Mary's River	0–12 soil, gr, 12–42 ss (GSC-I)
SE	16	1	22		D	48s	4319	20	18		D	S	Ss	(GSC-I)
SW	16	1	22	1920	D		4315	20	3	P	D	H	Ss	18 br; 45°F (GSC-I)
NW	16	1	22	1930	D	42s	4255	15	14	G	D,S	S	Ss	14 br (GSC-I)
SW	17	1	22	1921	D	42s	4354	13	12			S	Ss	12 br (GSC-I)
SW	18	1	22	1933	D	48s	4274	5	2	P	D,S	H	Ss	1 br (GSC-I)
NE	18	1	22	1916	D	42s	4148	18	14	G	D,S	H	Ss	16 br (GSC-I)
SW	20	1	22	1915	D	36s	4138	8	4	G	D,S	H	Ss	6 br (GSC-I)
SW	21	1	22	1934	D		4241	35	19		D	S	St. Mary's River	20 br; not used (GSC-I)
SE	22	1	22	1930	D	42s	4337	16	13		D,S	S	St. Mary's River	12 br (GSC-I)
SW	22	1	22	1914	D	48s	4347	20	15		D,S	S	St. Mary's River	10 br (GSC-I)
SW	24	1	22	1925	D	42s	4280	35	33	P	D,S	H,A	Belly River	15 br (GSC-I)
NW	24	1	22	1919	D	48s	4270	20	10	G	D,S	S		10 br (GSC-I)
SW	25	1	22	1927	D	36s	4280	45	44	P	D,S	H	Belly River	15 br (GSC-I)
NW	25	1	22	1936	D	36s	4244	26	25	P	D	H,A	Belly River	(GSC-I)
SW	26	1	22	1930	D	48	4312	54	50	P	D,S	H	Belly River	15 br (GSC-I)
SW	27	1	22	1929	D	30s	4248	24	22		D,S	S	Belly River	24 br (GSC-I)
SE	35	1	22	1915	D		4099	21	17	G	D,S	S	Recent alluvium	(GSC-I)
NE	2	1	23		D		4174	3	1		D,S	S	Ss	44°F (GSC-I)
NE	10	1	23				4222		0	G	D,S	S	Ss	(GSC-I)
SE	12	1	23	1934	D	48s	4408	56	44		D,S	S	Ss	30 br (GSC-I)
SW	14	1	23			48s	4163			G	D,S	H	Ss	(GSC-I)
NW	15	1	23		D		4472	9	2		S	H	Glacial gr	(GSC-I)

Water-Well Records, West of the Fourth Meridian (cont'd.)

Location West of 4th Mer. Lsd or 1/4	Sec.	Tp.	R.	Driller	Year drilled	Type of well	Hole diam. (in.)	Surface elev. (ft.)	Well depth (ft.)	Water depth (ft.)	Aquifer depth (ft.)	Yield or test rate (gpm)	Test results Drawdown or recovery (ft.)	Time (min.)	Use	Quality	Aquifer	Lithologic log, chemical analysis, and remarks
	29	1	23	C.Leismeister	1963	Dr	5		120	17	110		90	60	D,S	MH		0-95 cl, 95-110 sh, 110-120 ss
													-73	30				
SW	35	1	23					4478				VG			D,S	H	Glacial gr	(GSC-I)
NW	35	1	23		1933	D	36	4578	37	25					D,S	H	Glacial cl	(GSC-I)
	24	1	24			Dr			80	16		15						0-7 cl, 7-53 grey sh, 53-64 ss, 64-68 sandy sh, 68-80 sh
15	31	1	24	Skyline	1958	Dr	6 1/2		170	70	110-170	10	25	900	D	MH		0-110 cl, 110-116 sd & gr, 116-140 cl, 140-170 sh & ss ledges; too much quicksand
													-70	120				
NW	4	1	25			Dr			590								Glacial	(GSC-I)
NE	5	1	25		1916	Dr			3812		75-100							(GSC-I)
NE	5	1	25		1917	Dr			1900									(GSC-I)
NE	5	1	25		1919	Dr			3940		45							(GSC-I)
NE	5	1	25			Dr					30							(GSC-I)
NE	5	1	25		1916	Dr			1900									(GSC-I)
	6	1	25			Dr			500								Glacial	(GSC-I)
NE	9	1	25		1916	Dr			800								Belly River	(GSC-I)
	9	1	25		1916	Dr			1600								Belly River	(GSC-I)
SW	2	1	26			Dr			351		13							325 gas (GSC-I)
	36	1	26		1916	Dr			2000									(GSC-I)
9	36	1	26		1916	Dr												(GSC-I)
16	30	1	30		1932	Dr					280							(GSC-I)
NE	31	1	30		1902	Dr			1020	8	680, 960							(GSC-I)
NE	3 ?	2	3			Dr	5 5/8c	2800	342	20		P			N	MH		(GSC-I)
NE	6 ?	2	3			Dr			342	F		<1				S	Belly River	(GSC-I)
	14	2	3		1920	Dr	5 5/8c	2790	300	F		<1			S		Belly River	(GSC-I)
SE	4	2	4			Dr	4	2970	80?	30		P			D,S	S,So	Pale Beds? (Belly River)	(GSC-I)
2	9	2	4		1930	Dr	4 1/2	2970	119	30		P			D	S,So	Pale Beds? (Belly River)	(GSC-I)
10	15	2	4		1930	Dr	5 3/8, 3	3015	1133	F?	70	6			D,S	S,So	Milk River	0-20 grey sd, 20-40 cl, 40-79 blue sh, 79-81 rock, 81-90 sd, 90-130 blue sh, 130-145 blue sh, 145-150 sd, 150-234 blue sh, 240-260 sh, 260-320 fine sd, 320-330 blue sh, 330-380 sd, 380-390 sh, 390-393 coal, 393-400 sh, 400-400.5 hard shell, 400.5-480 greyish sh, 480-481 hard shell, 481-537 sh, 537-537.5 hard shell, 537.5-600 sh, 600-630?, 630-715 sh, 715-739 soft grey sh, 739-739.5 hard grey sh, 739.5-825 soft grey sh, 825-825.5 hard grey sh, 825.5-870 soft grey sh, 870-940 soft sh, 940-940.8 hard shell, 940.8-956 soft sh, 956-1010 sh, 1010-1136 fine grey sd; water at 260 ft., but main flow came from 1110 ft. to 1130 ft. Water from the lower level came to the surface. Gas at 1120 ft. came to the surface and was sufficient for two heaters. (GSC-I)
12	15	2	4		1928	Dr			155								Glacial	(GSC-I)

	22	2	4			Dr		3000	1050									0-400 broken ss, 400-1050 ? (GSC-I)
1	28	2	4	W. Maughan	1964	Dr	5		103	25	38-40	2			D, S	S		0-24 cl, 24-36 sh, 36-49 ss, 49-87 sh, 87-103 ss
											82-83	20						
SE	33	2	4	W. Maughan	1964	Dr	5		101	32	48-49							0-17 cl, 17-28 ss, 28-31 sh, 31-58 ss, 58-86 sh,
										32	86-89	12	15	180	S	S		86-101 ss
16	33	2	4	W. Maughan	1964	Dr	5		100	38	62-38	5		180	S	S		0-28 cl & gr, 28-39 ss, 39-62 sh, 62-83 ss, 83-100 sh
NE	34	2	4			S									S	H, I	Glacial	Spring flows continuously (GSC-I)
NW	1	2	5		1912	Dr	6	3018	140	130	140	P			D, S	S, So	Foremost? (Pale Beds)	Not used now (GSC-I)
SW	1	2	5			S				F		G			D, S	H	Br? (sd)?	(GSC-I)
	2	2	5		1943	Dr			808	F	764	6.3						(GSC-I)
SW	12	2	5			Dr			200	75	28							
											190-200							
SE	14	2	5			Dr	6	3100	234	200	234	P			D, S	S, So	Belly River (White sediment)	(GSC-I)
1	20	2	5	Foremost	1953	Dr	2c	3150	676			VG			D, S	S	Milk River	(GSC-I)
NE	35	2	5		1930	Dr	8c	3040	86	35	86				D, S	S	Belly River	0-5 soil, 5-66 very fine whitish sd, 66-86 blackish sd (GSC-I)
NE	35	2	5			Dr		3260	60		60	P			D		Pale Beds	
	36	2	5	Johnson	1955				65	16		8					Cl	
NE	2	2	6		1915	D	36x24	3200	20	14		< 1			D, S	H, A	Glacial	Bottomed in quicksand; 48 °F (GSC-I)
SE	3	2	6		1924	Dr	5	3225	156	40		< 1			D, S	H	Pale Beds	46 °F (GSC-I)
NE	10	2	6		1911	D	36s	3225	45	40	40	< 1			D, S	S, So		Bottomed in ss; 48 °F (GSC-I)
SE	10	2	6			D	48	3220	30	25					D, S	S		Bottomed in ss; 48 °F (GSC-I)
SE	12	2	6		1924	Dr	5	3200	72	60		< 1			D, S	MH	Glacial cl	Bottomed in cl; 48 °F (GSC-I)
NW	12	2	6		1924	Dr	5	3225	120	50	115	1.4			D, S	S, So	Glacial sd	0-115 cl, 115-120 sd; water is laxative, 50 °F (GSC-I)
SW	14	2	6		1934	D	48s	3210	15	12		1			D, S	S	Glacial cl	48 °F (GSC-I)
NW	14	2	6		1911	D	24	3205	20	12		P			D, S	MH	Glacial	Bottomed in gr; 48 °F (GSC-I)
NW	14	2	6	Renbar	1962	Dr	5 5/8		1215	220			20	1440	D, S			0-10 topsoil, 10-40 brown cl, 40-360 light blue sandy cl, 360-400 silt, 400-1100 hard sh, 1100-1215 Milk River ss (GSC-I)
SE	15	2	6		1915	D	36s	3215	38	30	30				D, S	S, So	Sd	0-30 cl, 30-38 sd; 46 °F (GSC-I)
NE	15	2	6		1915	D	36s	3210	20	18					S	H	Glacial	Bottomed in sandy cl; 50 °F (GSC-I)
NW	16	2	6		1915	D	48s	3185	40	35					D, S	S		Bottomed in ss; 48 °F (GSC-I)
NE	17	2	6		1933	D	36s	3180	20	10					D, S	MH	Glacial	Bottomed in quicksand; 48 °F (GSC-I)
NW	20	2	6		1915	D	48s	3185	40	35					D, S	S		Bottomed in ss; 48 °F (GSC-I)
NE	20	2	6		1915	D	36s	3200	65	60		< 1			S	S, So		Bottomed in blue cl (GSC-I)
NE	21	2	6		1916	D	36s	3150	56	53		< 1			D, S	S, So		Cl, sd, 53-56 blue cl (GSC-I)
SE	21	2	6		1912	D	36s	3190	50	43					D, S	S, So		0-10 topsoil, 10-43 ss, 43-50 blue cl (GSC-I)
SE	22	2	6		1925	Dr	5, 4	3185	276	90					D, S	S, So		0-6 topsoil, 6-14 sandy loam, 14-24 sd, 24-70 blue cl, sd, blue cl, blue ss; another well in this quarter 38 ft. deep in ss produces < 1 gpm. The first well is bottomed in ss. (GSC-I)
SW	22	2	6		1913	D	36		57	50	50		7		D	S, A		50-57 sd
SW	22	2	6		1917	D	42		24	15	20		5		D, S	H		20-24 quicksand

Water-Well Records, West of the Fourth Meridian (Cont'd.)

Location West of 4th Mer. Lsd. or 1/4	Sec.	Tp.	R.	Driller	Year drilled	Type of well	Hole diam. (in.)	Surface elev. (ft.)	Well depth (ft.)	Water depth (ft.)	Aquifer depth (ft.)	Yield or test rate (gpm)	Test results Drawdown or recovery (ft.)	Time (min.)	Use	Quality	Aquifer	Lithologic log, chemical analysis
SW	23	2	6		1925	Dr	5	3210	280	180					N	S, So		Bottomed in blue cl; 46°F (GSC-I)
SW	23	2	6		1929	D	48s	3230	20	12		<1			D, S	H	Glacial cl	Well refills very quickly, 50°F (GSC-I)
NW	24	2	6			Dr	5	3240	249						D, S	S, So		50°F (GSC-I)
SW	25	2	6	Renbar		Dr	5 5/8		240	180		15	1.5	2880	D, S			0-210 dr, 210-215 cl, 215-240 lost circulation
NE	27	2	6		1920	D	36x72	3310	28	19		<1			S	S		0-20 cl, 20-28 ss; oily tasting, 50°F (GSC-I)
NW	27	2	6		1911	D	36x72	3310	24	15		<1			S	H, So		0-22 cl, 22-24 sh; very laxative, 50°F (GSC-I)
SW	28	2	6			D	60s	3300	30	5					D, S	S	Glacial	Bottomed in quicksand; 48°F (GSC-I)
SE	29	2	6		1919	D	42s	3200	26	10		<1			D, S	MH	Glacial cl	48°F (GSC-I)
SE	32	2	6		1915	D	36s	3240	50	45		<1			S	S		Bottomed in ss; 50°F (GSC-I)
NW	32	2	6		1926	D	42s	3245	24	18		<1			S	MH	Glacial cl	48°F (GSC-I)
NE	33	2	6		1910	D	48s	3300	30	26					D, S	H, A		Bottomed in blue cl (GSC-I)
SW	34	2	6		1915	D	36s	3295	20	3					D, S	H		0-17 cl, 17-20 ss (GSC-I)
NE	17	2	7		1925	Dr	3,2	2780	550	+25	550	52			D, S	S, So	Bedrock	(GSC-I)
	19	2	7			Dr		3066	850									Resistivity log shows a permeable zone from 700-850. Appears to be salt water in hole.
1	32	2	7	Midland	1949	Dr	3,2c	2950	800			G			D, S	S	Lower Milk River ss	(GSC-I)
	6	2	8			Dr		3238	850									Resistivity log shows permeable zone from 770-850. (GSC-I)
1	26	2	8	Midland	1949	Dr	3,2c		800			G			D, S	S	Lower Milk River ss	
	31	2	8	R. P. Medhurst		Dr	4 1/2c		1200									Small gas seam encountered while drilling hole.
NW	31	2	8	Midland	1947	Dr	2c		600	F		G			S	S	Lower Milk River ss	(GSC-I)
NW	31	2	8		1912	D			31	26	26				N	H, So		0-26 blue cl, 26-31 sd (GSC-I)
NE	28	2	9		1930	Dr	3,2c	2780	300+	+4		G			D, S	S, So	Milk River ss	Well is on the bank of the Milk River. Small amount of gas, 52°F (GSC-I)
	30	2	10			Dr		2988	450									330-450 permeable zone based on high resistivity
4	4	2	11			Dr			660									(GSC-I)
10	24	2	11		1928	Dr			1900	F?	85, 190							(GSC-I)
8	24	2	11		1929	Dr			2900		167							Dr, Pakowki, Milk River, Benton Blairmore; also water (salty) at 213-258, 2645-2690 (GSC-I)
10	24	2	11			Dr			1890+		190, 664							(GSC-I)
	25	2	11		1917	Dr			798									(GSC-I)
SW	6	2	12			D	48s	2970	12	8					D	H	Recent alluvium	Water level varies with river, 44°F (GSC-I)
NE	26	2	12			D	48s	3090	15	10					D	H	Glacial gr	44°F (GSC-I)
NE	27	2	12			D	48s	3130	35	25		P			D, S	H		4-6.5 coal, dr, Pakowki; 44°F (GSC-I)
NE	30	2	12		1915	Dr	6	3068	128	108		G			S	S, Su	Foremost	Dr, Foremost, Milk River; 44°F (GSC-I)
SW	31	2	12		1913	Dr	6	3079	150	50		G			S	S, So	Foremost	Dr, Foremost, Pakowki, Milk River; 46°F (GSC-I)
SW	32	2	12		1915	D	60s	3053	20	14	20	G			D, S	H	Glacial gr	46°F (GSC-I)
NE	33	2	12		1928	D	48s	3105	14	10		G				H	Glacial sandy cl	46°F (GSC-I)

SW	33	2	12		1909	D	36c	3060	16	8		P			D, S		Alluvium	Sd, cl (GSC-I)
	4	2	13			Dr												Examination of samples from this well indicate that the top of the Lower Milk River sands lies at 140, extending through approx. 200 ft. Apparent thickness of Glacial drift is approx. 140 ft., mainly mud and coarse yellow sd with Glacial pebbles. (GSC-I)
NE	10	2	13			D	42s		20	17	18				D, S	S, I		18-20 gr (GSC-I)
SW	14	2	13		1917	Dr			170			G			N	S	Milk River ss	45°F (GSC-I)
NE	15	2	13		1929	Dr	6	3035	185						S	S, So	Ss	Dr, Pakowki, Milk River; 45°F (GSC-I)
SW	17	2	13		1930	D	48s	3025	33	30		P			S	H, A	Glacial gr	44°F (GSC-I)
SE	19	2	13	Seaman Eng. Dr.	1958	Dr	4 3/4	3075	280	180	180-280	5	60 -60	60		S, So	Upper & Lower Milk River ss	0-70 cl, 70-180 blue sh, 180-215 Upper Milk River, 215-243 blue sh, 243-280 Lower Milk River (GSC-I)
SE	20	2	13			Dr	6	3040	218						N	S, So	Milk River ss	Dr, Pakowki, Milk River (GSC-I)
NE	20	2	13			D	48s	3035	20	16					D, S	H	Glacial gr	44°F (GSC-I)
NE	21	2	13		1912	Dr	6	3045	160			P			S	S, So		10 br, dr, Pakowki, Milk River; 44°F (GSC-I)
SE	22	2	13		1910	Dr	6	3040	183	100	183	G			N	S, So	Milk River ss	Dr, Pakowki, Milk River (GSC-I)
SE	22	2	13		1910	Dr	5c		185	120	90, 178	<1			D, S	S, So		178-185 blue sd (GSC-I)
SW	23	2	13		1917	Dr	6	3040	178	78					S	S, So	Milk River ss	Dr, Pakowki, Milk River; water salty, 45°F (GSC-I)
SW	23	2	13		1917	Dr			180		170				N	H, A, So		A useless well (GSC-I)
SW	27	2	13		1912	Dr	6	3045	100			<1			S	S, So	Milk River ss	0-10 cl, dr, Pakowki, Milk River; 45°F (GSC-I)
NE	28	2	13		1912	Dr	6	3050	100?		100				S	S, So	Milk River ss	0-15 cl, dr, Pakowki, Milk River (GSC-I)
NW	28	2	13		1915	Dr	6	3070	186		186?	G			S	S, So		Dr, Pakowki, Milk River; 45°F (GSC-I)
SW	30	2	13			D	48	3075	22	18					D	H	Glacial gr	44°F (GSC-I)
SE	31	2	13			D	48s	3070	25	21	25	G			D, S	H	Glacial cl	44°F (GSC-I)
SW	31	2	13			D	48s	3070	20	12	20	<1			D, S	H	Glacial quicksand	44°F (GSC-I)
NW	31	2	13			D	48s	3080	24	21	24	P			D, S	H	Glacial cl	44°F (GSC-I)
SE	34	2	13		1931	D	48s	3045	17	15	17				D, S	H	Glacial cl?	44°F (GSC-I)
SE	36	2	13			Dr	6	3078	180	80?						S, So	Milk River ss	Dr, Pakowki, Milk River; 45°F (GSC-I)
SW	4	2	14		1922	D	48	3330	30	20	20	G			D, S	S	Ss	0-6 loam, 6-30 ss; 44°F (GSC-I)
SE	6	2	14		1914	Dr			148	142		<1			D, S	S	Ss	(GSC-I)
NE	7	2	14		1915	Dr	6	3310	100	75					D, S	S, So	Milk River ss	0-20 cl, 20-100 ss; 45°F (GSC-I)
NW	7	2	14		1917	Dr	6	3185	90	50	90				D, S	S, So	Milk River ss	0-40 cl, 40-90 ss; 45°F (GSC-I)
NW	17	2	14		1915	Dr	6	3170	180	140	180				D, S	S, So	Milk River ss	0-40 cl, 40-180 ss; 45°F (GSC-I)
SW	18	2	14		1916	Dr	6	3305	110	85	110				D, S	S, So	Milk River ss	0-20 cl, 20-110 ss; 45°F (GSC-I)
SE	18	2	14		1916	Dr	6c		125	113	120				D, S	S		(GSC-I)
NE	22	2	14		1912	Dr	6	3075	162	112		G			D, S	S, So	Milk River ss	Dr, Upper & Lower Milk River; 45°F (GSC-I)

Water-Well Records, West of the Fourth Meridian (Cont'd.)

Location West of 4th Mer. Lsd or 1/4	Sec.	Tp.	R.	Driller	Year drilled	Type of well	Hole diam. (in.)	Surface elev. (ft.)	Well depth (ft.)	Water depth (ft.)	Aquifer depth (ft.)	Yield or test rate (gpm)	Test results Drawdown or recovery (ft.)	Time (min.)	Use	Quality	Aquifer	Lithologic log, chemical analysis, and remarks
NE	24	2	14		1932	D	48	3060	24	20	162	G				H, Su	Glacial cl?	0-24 yellow cl; 44°F (GSC-I)
SE	26	2	14		1912	Dr	6	3085	112	62					S	S, So	Milk River ss	0-82 cl, 82-112 ss; 45°F (GSC-I)
SE	26	2	14		1912	Dr	6	3085	150	100	112				S	S, So	Milk River ss	Dr, Pakowki, Milk River; 45°F (GSC-I)
NE	26	2	14		1917	Dr	6	3085	160	85	150				S	S, So	Milk River ss	0-140 cl, 140-160 ss; 44°F (GSC-I)
SE	28	2	14		1914	Dr	2 1/2	3255	160	90	150-160				D, S	S, So	Milk River ss	0-15 cl, 15-75 ss, 75-120 cl, 120-160 ss; 45°F (GSC-I)
SE	30	2	14		1920	Dr	6	3300	230	130	140	G			D, S	S, So	Milk River ss	0-130 gumbo, 130-230 ss; 45°F (GSC-I)
SW	30	2	14		1913	Dr	6	3310	190			P			S	H, A, So	Quicksand	Dr (GSC-I)
SW	30	2	14		1914	Dr	4c		175	132	50, 170	<1	40		D, S	S, I		170-172 cl (GSC-I)
NE	33	2	14		1915	Dr	6	3125	125			G			D, S	S, I, So	Milk River ss	Dr, Pakowki; 45°F (GSC-I)
NW	33	2	14		1911	D	60s	3100	20	11		G			D, S	H	Milk River ss	0-2 topsoil, 2-5 gumbo, 5-10 sandy loam, coarse sd, lime; 45°F (GSC-I)
NE	34	2	14		1914	Dr	6	3125	160			G			S	S, So	Milk River ss	Dr, Pakowki; 45°F (GSC-I)
SE	35	2	14		1917	Dr	6	3090	63	40		G			S	S, So	Milk River ss	Dr, Pakowki, Milk River; 45°F (GSC-I)
SE	6	2	15		1936	D	36c	3413	10	5		<1			D	S, So	Belly River	0-1 recent soil, 1-4 volcanic ash, 4-? sh (GSC-I)
NE	9	2	15		1925	Dr	6	3395	112		112	G			D, S	H	Milk River	44°F (GSC-I)
SW	13	2	15		1934	Dr	8	3345	116	98	116				D, S	S, So	Sandrock	Dr, Milk River; 45°F (GSC-I)
NE	13	2	15		1917	Dr	4	3340	225	165	225	G			D, S	S, So	Sandrock	0-20 cl, 20-225 sandrock; 45°F (GSC-I)
NW	14	2	15		1916	D	48s	3315	52	48	52				S	H	Pakowki	Cl, dr; 45°F (GSC-I)
SW	14	2	15		1927	Dr	6	3320	130	90	130				D, S	H, A	Milk River ss	Dr, Milk River; 46°F (GSC-I)
SW	16	2	15			D	48s	3385	37		37	P			D, S	H	Glacial gr	0-37 cl; 44°F (GSC-I)
SW	17	2	15		1927	Dr	6	3415	105	25	105	G			D, S	H	Pakowki?	0-30 cl, 30-105 sd
SE	18	2	15		1917	Dr	6	3410	100	75	95				D, S	H, I	Gr	0-20 sandy loam & cl, 20-75 blue quicksand, 75-95 hardpan, 95 gr; 45°F (GSC-I)
SW	19	2	15		1912	Dr	6	3475	50	20					D, S	H	Ss	0-4 heavy cl, 4-8 sd, 8-20 yellow grey ss, 20-42 white grey ss; 44°F (GSC-I)
SW	19	2	15			Dr	6	3470	60	53	60	G			D, S	H, A, I	Pakowki?	0-60 blue sd; water comes in fast, 45°F (GSC-I)
NE	19	2	15		1911	D	24s	3440	22	15	22	G			D, S	H, A	Glacial gr	0-22 cl, dr; 44°F (GSC-I)
NW	19	2	15		1926	D	36s	3499	22	4		G			D, S	H	Foremost	(GSC-I)
NE	20	2	15		1918	Dr	5	3473	80	60	80				D, S	S	Quicksand	Can be pumped dry, 46°F (GSC-I)

NW	20	2	15	1921	B	18	3455	65	54	65		D, S	H	Sandrock	0-45 cl, 45-65 sandrock, dr, Pakowki; 45°F (GSC-I)
SW	20	2	15	1912	D	48	3455	74	69	74		D, S	H	Sandrock	0-44 cl, 44-74 sandrock, dr, possibly Pakowki, Milk River; 45°F (GSC-I)
NE	22	2	15	1915	Dr	6	3340	225	80	225		D, S	S, So	Milk River sd	Dr, Pakowki, Milk River, 18 br; 45°F (GSC-I)
NW	22	2	15	1920	Dr	6	3385	160	60	160	G	D, S	S	Milk River sd	0-20 cl, 20-24 ss, 24-? cl & sh, ?-160 sd; 45°F (GSC-I)
SW	23	2	15	1924	D	48s	3305	12	5	12		D, S	H	Ss	0-9 cl, 9-12 ss, dr, Milk River; 44°F (GSC-I)
NE	23	2	15	1909	D	60x72	3340	27	20	27	G	D, S	H	Ss	0-9 white cl, 9-19 gr, 19-27 ss; 45°F (GSC-I)
SW	24	2	15	1916	Dr	6	3360	90	65	90		D, S	S, So	Sandrock	Dr, Pakowki, Milk River; 45°F (GSC-I)
NW	24	2	15		D	48s	3325	22	14	22		D, S, O	H, A, I	Pakowki	0-7 cl, 7-22 ss, 22 sd; 45°F (GSC-I), RCA-G automatic water-level recorder installed December 12, 1956. This recorder is still in continuous operation.
NE	25	2	15	1911	D	60c	3270	12	5	10		D, S	H	Glacial gr	0-12 gumbo?; 45°F (GSC-I)
SW	28	2	15	1917	Dr		3431	49	40			D, S	S	Milk River ss	46°F (GSC-I)
SW	30	2	15	1908	D	36s	3532	30	26	30		D, S	H	Belly River	29 coal; water below coal (GSC-I)
NW	31	2	15	1930	Mine		3492		74				S, So		0-1 soil, 1-6 ?, 6-7 sd, 7-45 sh & blackjack, 45-60 ss, 60-61 ironstone concretion, 61-62 blackjack, 62-65 cl, 65-71 coal, 71-73 volcanic ash, 73-? cl (GSC-I)
SW	31	2	15	1928	D	36s		24	21			D, S	H	Belly River ss	20 br (GSC-I)
SE	32	2	15		D	48s	3390	20?				D, S	H	Glacial gr	44°F (GSC-I)
SE	34	2	15	1926	Dr	6	3275	135	55		<1	S	S, So	Pakowki	0-20 cl, 20-30 ss, 30-? cl or sh, dr, Foremost, Pakowki; 45°F (GSC-I)
SW	34	2	15		D	48s	3300	15	4	15		D, S	H	Glacial gr	0-15 cl; 44°F (GSC-I)
NE	34	2	15	1908	D	36c	3255	16	12	16	G	D, S	H, I	Glacial gr	0-16 cl; 44°F (GSC-I)
SW	1	2	16	1935?	D	48s	3518	30	24		G	S		Pakowki?	30 br, Bearpaw sh; bitter (GSC-I)
NW	1	2	16	1918	D	48s	3483	10	4		G	D, S	H	Pakowki	10 br, Bearpaw sh (GSC-I)
NE	2	2	16	1926	Dr ?	36s ?	3487	74	60		G	D, S	S	Foremost?	73 br, Belly River ss (GSC-I)
SE	3	2	16	1917	D	36c	3465	18	16		G	D, S	H	Glacial quicksand	(GSC-I)
NW	3	2	16	1916	Dr	6	3471	135	45		G	D, S	S, So	Foremost?	Dr, Glacial boulder (GSC-I)
NW	7	2	16	1912	Dr	4, 3c	3618	400	100			N	S, So	Pakowki	20 br, Belly River; too laxative for horses (GSC-I)
NW	8	2	16	1922	D	36c	3542	22	16			D, S	S	Foremost?	0-4 soil, 4-16 ss & cl, 16-22 sh, Milk River below sh (GSC-I)
SE	9	2	16	1922	D	5	3452	35	27	12		D	H	Recent alluvium	Water at 12 ft. is soft (GSC-I)
SW	10	2	16	1921	D	48c	3425	30	24		G	D, S	H	Recent alluvium	(GSC-I)
NW	10	2	16	1911	D	48c	3464	11	8		G	D, S	H	Recent alluvium	(GSC-I)
SE	11	2	16	1933	D	48s	3450	40	35		G	S	H, A	Recent alluvium	Quicksand (GSC-I)
SE	12	2	16	1909	D	48s	3440	12	10		G	D	H	Recent alluvium	(GSC-I)
NW	13	2	16	1912	Dr	6	3442	60	5		G	D, S	H	Recent alluvium	0-5 ?, 5-60 sd (GSC-I)

Water-Well Records, West of the Fourth Meridian (cont'd.)

Location West of 4th Mer. Lsd or 1/4	Sec.	Tp.	R.	Driller	Year drilled	Type of well	Hole diam. (in.)	Surface elev. (ft.)	Well depth (ft.)	Water depth (ft.)	Aquifer depth (ft.)	Yield or test rate (gpm)	Test results Drawdown or recovery (ft.)	Time (min.)	Use	Quality	Aquifer	Lithologic log, chemical analysis, and remarks
SW	14	2	16		1931	D		3445	15	13		G			D	H	Recent alluvium	0-13 sd, 13-15 sd & gr (GSC-I)
SE	15	2	16		1930	Dr	6	3472	100+	20		G			D,S	S	Recent alluvium	0-100 sd? (GSC-I)
NW	15	2	16		1930	D	48s	3435	8	2		G			D,S	H	Recent alluvium	0-8 sd, quicksand (GSC-I)
NW	16	2	16		1928	D	42s	3470	15	10		G			D,S	H	Recent alluvium	0-15 soil & sd (GSC-I)
NE	17	2	16		1919	Dr	6	3488	125			P			N		Recent alluvium	(GSC-I)
SE	18	2	16		1935	D		3516	20	17		G			D,S	H,A	Foremost?	0-10 ss, 10-20? (GSC-I)
SE	21	2	16		1917	D	36c	3460	27	24		G			D,S	H	Recent alluvium	Sd (GSC-I)
NE	21	2	16		1935	D	36s	3446	14	11		G			D	H	Recent alluvium	Sd (GSC-I)
NW	22	2	16		1916	Dr	6	3470	80			G			D,S	H	Recent alluvium	Sd; 46°F (GSC-I)
SE	23	2	16		1908	D	36s	3445	14	5		G			D,S	H	Recent alluvium	0-10 soil & sd (GSC-I)
NE	23	2	16		1924	D	48s	3479	41	20		G			D,S	H	Recent alluvium	0-10 soil & sd, 10-41? (GSC-I)
NW	23	2	16		1932	D	48s	3486	19	15		G			D,S	H	Recent alluvium	Soil & sd; 44°F (GSC-I)
NW	24	2	16		1923	D	48s	3491	41	30					D,S	H	Pakowki?	30 br (GSC-I)
SW	26	2	16		1910	D	48s	3494	40	32		G			D	H,A	Pakowki	30 br; laxative (GSC-I)
SW	27	2	16		1912	D	42c	3472	15	11		G			D,S	H	Recent alluvium	46°F (GSC-I)
NW	27	2	16		1911	D	42s	3468	26	16		G			D,S	H	Pakowki ss	12 br (GSC-I)
SE	28	2	16		1919	D	24c	3466	20	18		G			D	H	Glacial gr	(GSC-I)
SE	28	2	16		1936	Dr	5,3	3464	108	38		G			D,S, Ir	S,So	Pakowki sh	0-20 sd, 20-40 gr, 40-50 boulders, 50-60 blue cl, 60-75 ss, 75-108 sh (GSC-I)
SE	28	2	16		1926	Dr	6	3552	80	20		G			D,Ir	S,So	Pakowki sh	0-20 boulders, 20-24 sh (GSC-I)
SE	28	2	16		1933	D		3445	14	11		G			I	H	Recent alluvium	(GSC-I)
SE	28	2	16		1931	Dr	6	3358	80	4		G			D	S	Pakowki ss	80 br, bottomed in ss (GSC-I)
SW	28	2	16		1921	D	48s	3452	14	12		<1			D,S	H	Recent alluvium sd	(GSC-I)
	30	2	16			Dr		3462	500									Most of ss permeability lies above the bottom of the casing which is set to 271 ft. but there is some indication of ss permeability through 500 ft. Best indication of fresh water through approximately 300 ft. (GSC-I)
SE	30	2	16		1930	D	48s	3454	20	18		<1			D,S	H	Recent alluvium sd	(GSC-I)

NE	32	2	16	1911	Dr	6	3538	270	20		G	D,S	H,A	Foremost? (Belly River)	0-50 ss, 50 coal, 50-270 ss (GSC-I)
SW	33	2	16	1926	Dr	6	3485	94	74		P	D,S	S,So	Belly River sh	0-70 sh, 70-94 ss (GSC-I)
SW	33	2	16	1930	Dr	6	3478	70	40		G	D,S	H	Pakowki sh	70 br, bottomed in sh (GSC-I)
NW	33	2	16	1933	D	42s	3490	22	17		<1	S	S	Glacial cl	(GSC-I)
SW	34	2	16	1921	D	36c	3509	30	27		G	S	H,A	Glacial sd	(GSC-I)
NE	35	2	16	1916	Dr	6	3448	76	45		G	D,S	S,So	Foremost? Belly River sh	45-55 ss; 44°F (GSC-I)
NE	36	2	16	1929	D	36s	3416	10	6		G	D,S	H	Foremost? Belly River sh	0-10 sh (GSC-I)
NE	1	2	17	1932	D	36s	3620	75	73			S	A	Foremost? Milk River ss	0-30 ss; water is very laxative and bitter tasting. (GSC-I)
SW	2	2	17	1933	D	48s	3670	30	25		P	D,S	H	Glacial gr?	0-15 gr, 15-30 blue cl (GSC-I)
SE	4	2	17		S		3710		F			D,S	S		Water is brown in color, probably from coal seam just below ss.(GSC-I)
SW	6	2	17	1928	D	36s	3774	16	15		P	D	H	Glacial cl	46°F (GSC-I)
NE	6	2	17	1936	D		3715	8	7		G	D,S	S,So	Foremost? Pakowki sh	0-8 carbonaceous sh (GSC-I)
SE	7	2	17		S		3660		F		G	D	H	Foremost? Milk River sh	(GSC-I)
NE	8	2	17	1930	D	36c	3626	20	19			S	H,A	Glacial cl	Water very laxative (GSC-I)
SE	12	2	17	1935	D		3585	20	18		G	D	H	Foremost? Milk River ss	10.5 br, 18-20 ss (GSC-I)
NE	12	2	17	1936	D	60s	3550	32	28		<1	D,S	H	Glacial cl	(GSC-I)
SE	16	2	17	1935	B	8	3572	8	6		P	D,S	H,A	Glacial sd	(GSC-I)
SE	19	2	17		Dr		3630	3140	65, 500, 550					Milk River	0-310 Foremost, 310-400 Pakowki, 400-650 Milk River ss, 650-2400 Benton, 2400-2900 Blairmore K, 2900-3010 Sunburst, 3010-3090 Ellis, 3090-3140 Madison; abandoned hole at 3140 (GSC-I)
SE	20	2	17		S		3543		F			D,S	H,A	Glacial soil	46°F (GSC-I)
NE	27	2	17		S		3480		F			D	H	Belly River ss	(GSC-I)
SE	36	2	17	1930	D	48s	3490	23	19			D,S	H	Foremost? Belly River ss	0-15 ss (GSC-I)
	36	2	18		Dr		3846	900							830-900 ss; permeability in Lower Milk River, no indication of fresh water in well
NW	2	2	20	1932	Dr				80	110				Glacial	(GSC-I)
SE?	3	2	20		Dr			593	56	70, 180-196				Glacial	Water at 70 - sodium 289, calcium 198, magnesium 80, chlorides 29, sulfates 834, bicarbonates 661, water at 188 - sodium 513, calcium 6.3, magnesium 2.2, chlorides 28, sulphates 492, bicarbonates 656, carbonates 31 (GSC-I)
SE?	3	2	20		Dr			575	36	108,216				Br	Water at 108 - sodium 335, calcium 82, magnesium 54, chlorides 21, sulfates 565, bicarbonates 658, water at 188 - sodium 440, calcium 13, magnesium 7.4, chlorides 22, sulfates 426, bicarbonates 616, carbonates 24 (GSC-I)

Water-Well Records, West of the Fourth Meridian (Cont'd.)

Location West of 4th Mer. Lsd or 1/4	Sec.	Tp.	R.	Driller	Year drilled	Type of well	Hole diam. (in.)	Surface elev. (ft.)	Well depth (ft.)	Water depth (ft.)	Aquifer depth (ft.)	Yield or test rate (gpm)	Test results Drawdown or recovery (ft.)	Time (min.)	Use	Quality	Aquifer	Lithologic log, chemical analysis, and remarks
NW	10	2	20			Dr			497	36	108-112, 200							Water at 200 - sodium 435, calcium 3.4, magnesium .8, chlorides 24, sulfates 161, bicarbonates 856, carbonates 32 (GSC-I)
2	2	2	21	Maughan	1964	D	6		89	55	65,78	15	68	180	S	MH		0-62 cl, 62-89 sh
NE	5	2	21															0-2 sd loam, 2-4 sd & gr, 4-8 soft cl, 8-12 soft wet sd, 12-27 loose gravelly sd, 27-32 gr, 32-42 sd & gr, 42-46 cl & gr, 46-48 coarse sd
NE	5	2	21															0-4 stiff cl, 4-24 soft wet silt, 24-30.5 soft wet silty cl, 30.5-35.5 coarse sd & gr, 35.5-38 gr & small boulders, 38-46 stiff cl & gr
SE	5	2	21		1929	D	36c	4000	6	0		G			D, S	S	Glacial dr	0 br; 44°F (GSC-I)
SE	12	2	21		1921	D	36c	4071	16	12					D, S	H	Glacial dr	12 br (GSC-I)
SW	14	2	21			S		3915		F					D, S	H		(GSC-I)
SW	20	2	21		1935	D		4222	60						D, S	H	St. Mary River	44 br (GSC-I)
SE	22	2	21			S				F								(GSC-I)
NE	22	2	21		1933	D		4135	7	F					D, S	H	Ss	(GSC-I)
	23	2	21	G. Leismeister	1964	Dr	4		50	24	24	6	0 -0	120	D	MH		0-38 cl, 38-50 water gr
NW	28	2	21		1934	D	36s	4166	30	30		P			D	H	Glacial cl	(GSC-I)
NE	31	2	21			S		4155		0		G			D, S	H		(GSC-I)
	35	2	21	G. Leismeister	1964	Dr	4		110		80	6	80 -80			MH		0-76 blue cl, 76-79 sd & gr, 79-105 sh, 105-110 soapstone
SW	8	2	22					4325		0					D, S	H	St. Mary River	(GSC-I)
SW	24	2	22			Dr	6c	4151	150	1					D, S	H	St. Mary River	40 br (GSC-I)
SW	1	2	23		1934	D	48c	4575	46	45					D	S	St. Mary River	16 br (GSC-I)
SE	2	2	23		1934	D		4562	32	27		G			D, S	H	St. Mary River	27 br (GSC-I)
SW	11	2	23		1930	D	48s	4575	12	8					D, S	H	Glacial sd	(GSC-I)
SW	34	2	24			Dr			90							S		High in iron and calcium
	19	2	27	G. Leismeister	1963	Dr	5		85	F		10			S			0-80 cl, 80-85 gr
	19	2	27	G. Leismeister	1963	Dr	4		85	F		2						0-80 cl, 80-85 gr
	7	2	28	Alberta Well Drillers	1954	Dr	8c		40	F	30	15			D			1-10 sd, 10-18 sd & cl, 18-25 cl & rocks, 25-30 blue cl, 30-40 sd & water
9	24	2	28	W. Maughan	1964	Dr	6		93	75	85-93	10		180	D	H	Gr	0-85,cl, 85-93 gr
17	26	3	2			S		3050							I	HA		(GSC-I)
SW	16	3	3		1910	D		2970	27	24	27				D, S	H	Fox Hills (sandy bluish cl)	0-4 sd & topsoil, 4-27 hardpan (sh & gumbo) (GSC-I)

	20	3	5			Dr		3160		470								Resistivity log shows the Milk River Sands dropped to a depth of over 1000. There is an indication of permeability in a thin sd layer at approx. 600, but no indication of fresh water below 470 (bottom of casing).
NW	34	3	5		1913	D			22	11	20				D, S	S	Gr	0-20 cl & loam, 20-22 gr (GSC-I)
NE	34	3	5		1917	D			10	6	8				S	S, So	Sd	0-8 brown loam, 8-10 sd (GSC-I)
NE	35	3	5		1912	D			83	68	75				D, S	S	Gr	0-20 gumbo, 20-75 rock, 75-83 gr (GSC-I)
NE	25	3	5		1920	D	48x60	3260	60			P			N		Pale Beds	Farm is abandoned (GSC-I)
SW	36	3	5		1917	D			18	8	16				D	S	Gr	0-16 cl, 16-18 gr (GSC-I)
SE	4	3	6		1914	D	48s	3275	25	19					D, S	MH	Belly River	0-21 cl, 21-25 ss; 48°F (GSC-I)
SE	12	3	6			Dr		3200	72	60		<1			D, S	MH	Glacial	48°F (GSC-I)
NW	13	3	6			Dr		3225	120	50		<1			D, S	S, So	Glacial	50°F (GSC-I)
	15	3	6			Dr		2982	1000+									Resistivity log shows a permeable zone from 770-810 and another zone from 870-905. These two levels are split by a sandy sh layer.
NW	19	3	6		1917	D	36s	2925	30	15					D	H, A, So	Glacial sandy cl	Bottomed in sandy cl; 50°F (GSC-I)
SE	19	3	6			D	48s	2875	8	0					S	H	Sd	2 ft. seam of coal at 7 ft., bottomed in sd; 50°F (GSC-I)
SE	19	3	6		1917	D	42c		15	7	10		8	60	S	H		0-10 through black coal seam, 10-15 sd (GSC-I)
SW	19	3	6		1915	D	36s		17	15	17	80	2	5	D	H		17 sd (GSC-I)
NE	20	3	6		1919	D	48s	2850	30	24		<1				H	Glacial quicksand	Bottomed in quicksand; 50°F (GSC-I)
SW	21	3	6		1919	Dr	6	2890	90	50		<1			N	H	Ss	Bottomed in ss (GSC-I)
SW	21	3	6			Dr		2890	200	40		<1			S	H	Belly River	50°F (GSC-I)
13	23	3	6		1943	Dr			736	F	662	6						
SW	24	3	6		1912	D	48s	3225	24	16		<1			D, S	S	Belly River	Stones, cl, & gr at bottom, cl on top of these, bottomed in gr; has a bad effect on man & stock, 50°F (GSC-I)
SW	31	3	6		1918	Dr	6,5	2875	134	+2		<1			D, S	S, So	Bedrock	0-20 ss, 20-40 quicksand, 40-134 cl; 52°F (GSC-I)
SW	31	3	6		1917	D	48s		22	18	20-22					H, A	Quicksand	0-12 sd, 12-22 quicksand; too much alkali to use (GSC-I)
	31	3	6	Midland	1954	Dr	2c		740			G			D, S	S		Lower Milk River ss is br; 742 ft. of 2 in. casing
NE	4	3	7		1917	D			42		40				D		Cl	0-42 cl (GSC-I)
NE	6	3	7		1911	D	36s	2970	10	0		<1			D, S	H	Recent alluvium	0-10 gr, bottomed in quicksand; 48°F, has another well 22 ft. deep, which had a good supply of water until it caved in. (GSC-I)
SW	6	3	7	Midland	1949	Dr	3,2c		870	10		G			D, S	S	Lower Milk River ss	(GSC-I)
NW	7	3	7	Midland	1949	Dr	3,2c		722			G			D	S	Lower Milk River ss	(GSC-I)
NW	7	3	7			Dr		2963	666	+25		12			D, S	S, So	Milk River ss	52°F (GSC-I)
NW	9	3	7		1918	Dr		2944	652	+3		24			D, S	S, So	Milk River ss	Bottomed in ss; supply has decreased, 52°F (GSC-I)
NW	9	3	7	Midland	1949	Dr			740			G			D, S	S	Lower Milk River ss	(GSC-I)
	9	3	7	Midland	1949	Dr			670	F		G			D, S	S	Lower Milk River ss	(GSC-I)

Water-Well Records, West of the Fourth Meridian (Cont'd.)

Location West of 4th Mer. Lsd or 1/4	Sec.	Tp.	R.	Driller	Year drilled	Type of well	Hole diam. (in.)	Surface elev. (ft.)	Well depth (ft.)	Water depth (ft.)	Aquifer depth (ft.)	Yield or test rate (gpm)	Test results Drawdown or recovery (ft.)	Time (min.)	Use	Quality	Aquifer	Lithologic log, chemical analysis, and remarks
	10	3	7	Foremost	1953	Dr	6,5,2		759			G			D,S	S	Lower Milk River ss	(GSC-I)
NW	14	3	7		1917	D	36s		60	50					N	S,A	Pakowki sh	Bottomed in sh; 46°F, has another well 30 ft. deep, with 4 ft. of water, domestic and stock use (GSC-I)
SE	15	3	7	Foremost	1953	Dr	5,2c		766			G			D,S	S	Lower Milk River ss	(GSC-I)
SE	15	3	7			Dr	4	2994	760	+3		12			D,S	S,So	Milk River ss	Bottomed in ss; 46°F, water was tested and found to be good drinking water. (GSC-I)
NW	15	3	7			Dr	6		150			3			N	S,So	Pakowki sh	(GSC-I)
NE	17	3	7			Dr	3,2	2928	652	+3		30			D,S	S,So	Milk River ss	Bottomed in ss; 52°F (GSC-I)
	17	3	7			Dr		2917	740+									
SW	18	3	7			Dr	6		125	40		G			S	S,So	Foremost	Bottomed in gr; 36°F (GSC-I)
NW	18	3	7		1916	Dr	6	2950	140	80	60	<1			S	H,A,I	Pakowki sh	40°F (GSC-I)
NE	19	3	7	Midland	1949				788	F		G			D,S		Lower Milk River ss	(GSC-I)
	21	3	7	Midland	1950				760			G			D,S	S	Lower Milk River ss	(GSC-I)
NE	21	3	7		1929	D,B	24		30			<1			D,S	MH	Glacial sd	Bottomed in cl & sd; another well 30 ft. deep on Sec. 22 has gone dry.(GSC-I)
SW	23	3	7		1918	D	42		17			P			D,S	H,So	Glacial sd	0-6 cl, 6-10 sd, 10-17 cl; 48°F (GSC-I)
NE	23	3	7		1911	D	48s		12		4	P			D,S	H	Glacial gr	Bottomed in gr; supply is 1 gpm in winter (GSC-I)
	24	3	7	Midland	1950				880			G			D,S	S	Lower Milk River ss	(GSC-I)
	24	3	7		1935	D	48s		12		10	G			D,S	H	Glacial sd	48°F, has another well 12 ft. deep near dam, but is now caved in and not used.(GSC-I)
SE	27	3	7		1918	Dr	5c		235	132, 235	132	<1	103	10	D	S,So	Sd	0-50 cl, 50-82 sd & cl, 82-97 hardpan, 132-235 sd (GSC-I)
SE	33	3	7			Dr	2		710	F					D		Milk River ss	(GSC-I)
SE	33	3	7		1934	D	48s		15	11	10	P			S	H	Glacial sd	0-10 cl, 10-14 sd, 14-15 hardpan; 48°F (GSC-I)
SW	35	3	7		1935	D	48s		16	10		P			S	H	Glacial gr	Bottomed in gr; 48°F (GSC-I)
NE	4	3	8		1920	Dr	3	2950	160						N	H,A	Foremost	Water is brown in color and has a bad effect on man and stock.(GSC-I)
NE	8	3	8	Foremost	1951	Dr	5c		804			G			D	S	Lower Milk River ss	(GSC-I)
SW	10	3	8		1929	B	24	2960	25	18		<1			S	H,A	Glacial gr	0-17 cl, 17-25 sd & gr; water laxative (GSC-I)
NE	13	3	8		1917	Dr	6	2975	110	40					N	H,A	Foremost	Bottomed in gr; 48°F (GSC-I)
NE	14	3	8		1911	Dr	3		58	20					S	H,A	Foremost	0-20 cl, 20-23 sd, 23-33 blue cl, 33-46 gr, 46-48 ss, 48-58 sd; 48°F (GSC-I)
SE	20	3	8		1918	B	24	2925	35	25		<1			N	H,A	Glacial gr	Bottomed in gr; 46°F (GSC-I)
NE	21	3	8		1919	Dr	6	2925	680	+10		12			D,S	S,So	Milk River ss	Flow decreased from 18-12 gpm, 40°F (GSC-I)

	21	3	8	R.P.Medhurst		Dr	2c		600	F		30			D,S	S	Lower Milk River ss	Well is near surface water.
	21	3	8	Midland	1947	Dr	2c		700			G			D,S	S	Lower Milk River ss	
	21	3	8		1949	Dr	4 1/2		1200									A small seam of gas encountered?
NW	23	3	8		1915	B	24	2950	90	40					N	H,A	Foremost	(GSC-I)
SW	31	3	8	Foremost		Dr	3,2c	2900	822			G			D,S	So	Lower Milk River ss	(GSC-I)
SW	31	3	8		1923	B	24	2895	46	33		G			S	H,I	Foremost	Bottomed in ss; 42°F (GSC-I)
SW	32	3	8		1933	B	24	2885	38	34		<1			D,S	H,I	Glacial sd	42°F, has another well 40 ft. deep, 40 rods from recorded well with small supply of water, used very little.(GSC-I)
NW	2	3	9		1917	Dr	5		175	130	155	<1			D,S	S,So, I,A	Pakowki sh	155 br (GSC-I)
NE	6	3	9		1928	Dr	3		496	+4		18			D,S	S,So	Milk River ss	Bottomed in ss; 50°F (GSC-I)
NE	8	3	9		1915	D	48s		12	8		3.8			D,S	MH	Glacial gr	Bottomed in gr; 46°F (GSC-I)
NE	9	3	9		1917	D	60		20	15		3.8			S	H	Glacial gr	Bottomed in gr; 46°F (GSC-I)
SE	13	3	9	E. Kiengle	1956	Dr	3,2c		603			G			D,S	S	Lower Milk River ss	(GSC-I)
SE	16	3	9		1916	Dr	5		145			<1			D,S	S,So	Foremost	Bottomed in gr; 40°F (GSC-I)
SW	17	3	9		1930	D	72 x 48		15	5		3.8			S	S	Glacial cl	Bottomed in cl; 48°F (GSC-I)
SE	18	3	9		1916	D	36s		18	14		3			D,S	H	Glacial gr	Bottomed in gr (GSC-I)
SE	19	3	9		1932	D	60 x 36		14	12		<1			D,S	MH, A	Glacial gr	Bottomed in gr (GSC-I)
NE	19	3	9		1918	Dr	6		75	65		<1			N	H,A	Glacial sd?	Bottomed in sd (GSC-I)
NE	20	3	9		1950	Dr	3,2c		840			G			D,S	S	Lower Milk River ss	(GSC-I)
NE	20	3	9		1912	B	24		42	20		<1			S	H,A	Glacial black sd	Bottomed in black sd; 43°F (GSC-I)
NW	20	3	9			D			20			<1			D,S	MH	Glacial sd	Bottomed in sd; sandpoint 3 ft. in sd (GSC-I)
NW	23	3	9		1910	Dr	5		208			G			D,S	MH	Foremost	38°F (GSC-I)
NW	28	3	9	B. Ellifson	1962	Dr	5		27	17	25							10 ft. of loose sd, blue cl
NW	30	3	9		1930	B	24	3100	40	25		G			S	H,A,I	Glacial gr	Bottomed in gr; 48°F (GSC-I)
SE	35	3	9		1935	D	48	2880	16	12					S	H,So, I	Glacial sandy cl	Bottomed in sandy cl; 48°F, has another well 9 ft. deep, 50 ft. from recorded well with 3 ft. of water. Second well is all in sd with 2 in. of sh and blue cl at the bottom. Water is hard, with soda and iron. (GSC-I)
	36	3	9	Midland	1947	Dr	5,3		733	15	528	G			S	So	Lower Milk River ss	(GSC-I)
NW	4	3	10		1910	D	24c	3000	12	9		G			D,S	H,A,I	Glacial cl	Bottomed in sd; 50°F (GSC-I)
SW	5	3	10		1921	D	60c	2980	17	10		G			N	H,A,I	Glacial cl	Bottomed in blue cl; 50°F (GSC-I)
NE	5	3	10		1914	D	60c	3000	32	24		1			D,S	H,A,I	Glacial cl	Bottomed in sd; 48°F (GSC-I)
NW	5	3	10		1933	Dr	2	2995	496	57		G			D,S	S,So	Milk River	Bottomed in ss?; slight trace of gas, 50°F (GSC-I)
SE	7	3	10		1928	Dr	6	2985	60	40		P			D,S	H,A,I	Glacial quicksand	Bottomed in quicksand; 50°F (GSC-I)
SE	7	3	10	Seaman	1958	Dr	4 3/4		500	90	405	10	41	120	D,S	S	Ss	0-92 brown sandy cl, 92-96 ss, 96-154 brown cl, 154-332 blue shale, small ledges, 332-436 sh & intermittent blue ss, 436-482 blue ss, 482-490 dense ss, 490-500 ss
													-41	300				
												5	20	180				
													-25	300				

Water-Well Records, West of the Fourth Meridian (Cont'd.)

Location West of 4th Mer. Lsd or 1/4	Sec.	Tp.	R.	Driller	Year drilled	Type of well	Hole diam. (in.)	Surface elev. (ft.)	Well depth (ft.)	Water depth (ft.)	Aquifer depth (ft.)	Test results: Yield or test rate (gpm)	Drawdown or recovery (ft.)	Time (min.)	Use	Quality	Aquifer	Lithologic log, chemical analysis, and remarks
NE	10	3	10		1934	D	48c	3100	32	16		P			D,S	H,A	Glacial cl	Bottomed in sandy hardpan; 48°F, has another well 18 ft. deep, 80 rods from recorded well with 4 ft. of medium hard water, for domestic and stock use. (GSC-I)
NE	10	3	10		1929	Dr	3,2	3000	600+	+5		45			D,S	S,So	Foremost	52°F (GSC-I)
SW	12	3	10		1925	Dr	3,2	3100	500	6		G			D,S	S,So	Foremost	52°F (GSC-I)
	13	3	10			Dr		2952										Log shows permeable formation from approx. 510-600. This permeable zone is overlain by approx. 50 ft. of shale with approx. 40 ft. of shaly ss at a depth of approx. 400.
SE	15	3	10		1925	D	36c	3100	20	0		<1			S	H,A	Glacial cl	Bottomed in sandy hardpan; well by slough, 50°F (GSC-I)
NW	15	3	10		1916	D	42c	3100	16	14		P			D,S	H,A	Glacial cl	Bottomed in cl; 48°F (GSC-I)
NE	16	3	10		1916	D	48c	3110	30	25		<1			D,S	MH	Glacial cl	Bottomed in cl; 50°F (GSC-I)
NW	16	3	10		1923	D	48c	3100	28	0		G			S	H	Glacial cl	Bottomed in sd; 48°F (GSC-I)
NW	18	3	10		1928	D	36s	3135	15	13		P			D	MH	Glacial sd	Bottomed in ss; 50°F (GSC-I)
SW	19	3	10		1929	D	36s	3130	15	0		G			D,S	MH	Glacial cl	50°F (GSC-I)
NE	22	3	10		1912	D	48c	3100	25	12		>1			D,S	MH	Glacial gr	Bottomed in gr; 48°F (GSC-I)
NE	23	3	10		1910	Dr	6	3150	175	95		G			S	H	Foremost	Water laxative, 50°F (GSC-I)
NW	23	3	10			D	48c	3150	30	25		P			S	MH	Glacial quicksand	Bottomed in quicksand; 50°F, has another well 20 ft. deep, 100 yds. from recorded well with 3 ft. of hard, alkaline water, for domestic and stock (GSC-I)
SW	24	3	10		1916	Dr	6	3125	100	80		<1			S	H,A, I	Glacial quicksand	0-6 topsoil, 6-10 sd, 10-100 blue cl, bottomed in quicksand; 48°F, hauls water for house because of poor tasting well water (GSC-I)
NW	24	3	10		1934	D	48s	3150	12	6	12	2			D,S	S	Glacial sd	Bottomed in sd; 48°F (GSC-I)
SW	25	3	10		1933	Dr	6	3140	100	80		P			S	H,A	Glacial quicksand	0-5 topsoil, 5-9 sd, 9-100 blue cl, bottomed quicksand; water laxative, 46°F, has 3 other wells 23 ft., 20 ft. & 15 ft. deep. The 15 ft. well has 3 ft. of hard, not alkaline water used for drinking. The water in the other 2 wells is hard and alkaline. These 4 wells do not produce a sufficient supply for local needs.(GSC-I)
NE	25	3	10		1936	B			30			G			D,S	H	Glacial gr	Bottomed in gr (GSC-I)
SW	26	3	10		1914	D	48c	3130	10	6		<1			D,S	H	Glacial quicksand	Bottomed in quicksand; well by slough, 50°F (GSC-I)
SE	27	3	10		1916	Dr	6	3135	180	17		P			S	H,A	Glacial quicksand	Bottomed in quicksand; water is poor tasting & laxative, 46°F (GSC-I)
SW	28	3	10		1929	B	24	3125	64	44		P			D,S	S,So	Foremost	Bottomed in coal; 50°F, has 2 other wells both 44 ft. deep. One with 19 ft. and the other with 15 ft. of hard water. All 3 wells used (GSC-I)
SE	31	3	10		1910	B	16	3135	75	60		P			S	H,I	Glacial cl	Bottomed in cl; 50°F (GSC-I)
SW	34	3	10		1930	B	24	3150	30	28					S	H,A	Glacial sd	Bottomed in sd; 48°F (GSC-I)
NE	35	3	10		1934	B	24	3185	80	60		>1			S	H,A	Glacial dr	50°F, also has another well 42 ft. deep, 100 ft. from recorded well with 15 ft. of water. (GSC-I)

SE	1	3	11			D	48s	2970	20	15		G			D,S	H	Glacial gr	Outwash; 44°F (GSC-I)
SW	7	3	11			D	48s	3155	10			<1			S	S,So	Foremost	(GSC-I)
NW	7	3	11	Midland		Dr			938	145		G			D,S	S	Lower Milk River ss	
NW	9	3	11		1917	Dr	6	3175	240	80		P			N	H	Foremost	Water salty, 46°F (GSC-I)
	10	3	11			S									D,S	S,So		In coulee (GSC-I)
16	10	3	11	Seaman	1960	Dr	4 3/4		740	215	525	300	50 -50	360 60	D,S	S		0-112 brown cl, 112-123 coal, 123-447 blue sh, 447-460 blue ss, 460-469 sh, 469-507 blue ss, 507-564 blue sh & ss ledges 564-740 blue ss, Upper Milk River; no water in lower sands, water level too low for satisfactory supply
	13	3	11	Foremost	1952	Dr	3,2c		742	160		G			D,S	S	Lower Milk River ss	(GSC-I)
SE	13	3	11			D	48s	3170	10	5		P			D,S	H	Glacial cl	0-10 cl; 45°F (GSC-I)
NE	13	3	11			D	48s	3180	10	6		P			D	H	Glacial cl	0-10 cl; 44°F (GSC-I)
SW	14	3	11			Dr			165								Foremost	(GSC-I)
SE	15	3	11			Dr			140								Foremost	(GSC-I)
SE	16	3	11			Dr			95		95						Foremost	(GSC-I)
NE	16	3	11			D	48s	3110	18	8		P			D,S	H	Glacial gr	Bottomed in gr; 46°F (GSC-I)
NW	16	3	11			D	48s	3130	15	5		P			D,S	H	Foremost	13 br, bottomed in gr; 45°F, also has two other wells in same coulee, 37 ft. and 32 ft. deep with the common log 0-16 cl, 16-22 sh, 22-bottom blue ss with a good supply in both wells. (GSC-I)
SE	17	3	11			D	48s	3115	15	0		G			D,S	H	Coal seam	Foremost; 45°F (GSC-I)
NE	17	3	11	Foremost	1952	Dr	3,2c		780			G			D,S	S	Lower Milk River ss	(GSC-I)
NE	19	3	11		1913	D	48s	3100	12	9		G			D,S	H	Glacial gr outwash	Bottomed in gr; 44°F (GSC-I)
SW	21	3	11			D	48s	3140		7		G			D,S	H,A	Glacial gr	46°F (GSC-I)
SE	23	3	11			Dr	5 5/8										Foremost	(GSC-I)
SE	30	3	11			D	48s	3100		10		G			D,S	H	Glacial gr outwash	44°F (GSC-I)
NW	31	3	11		1912	B				70					D,S	S,So	Foremost sd	Water supply decreased (GSC-I)
SW	33	3	11		1913	Dr	6	3110		28		G			D,S	H,A	Foremost quicksand	Spring in coulee nearby has soft soda water.(GSC-I)
NE	33	3	11		1934	B	24	3155		20					S	H,A,I	Glacial gr	44°F, unsuitable for man (GSC-I)
	34	3	11			Dr		3148										Resistivity data shows permeable Milk River extends from approx. 600-720
SW	6	3	12		1930	D	48s	3043	12	10	12	G			D,S	H,A, Su	Glacial cl	Bottomed in cl; 45°F (GSC-I)
NE	7	3	12		1930	D	48s	3056	26	15	26	G			D,S	H,A	Glacial sd	Dr, bottomed in cl; 45°F (GSC-I)
NE	12	3	12		1911	D	48s	3200	22	20	20	P			D	H,A,I	Coal	20 br; 45°F (GSC-I)
NE	13	3	12		1916	Dr	6	3170	400	D					N	A,I	Foremost	(GSC-I)
SE	22	3	12			D	48s	3228	40	20		G			D,S	H	Glacial gr outwash	(GSC-I)
NE	23	3	12		1916	Dr?		3135	136	D					N		Br	6 br, dr, Foremost, Pakowki (GSC-I)
NW	24	3	12			Dr?		3130	100	30	100	G			S	H,I	Br	Bottomed in sd; 45°F (GSC-I)
SW	25	3	12		1930	B	24	3190	100	60		G			S	H,So	Belly River	44°F (GSC-I)
SW	27	3	12		1908	Dr	6	3170	240			G			D,S	S	Br	Not used since 1910 (GSC-I)
NW	27	3	12			D	48s	3218	42	30		P			S	H,So	Belly River	0-5 topsoil, 5-8 sd, 8-15 cl, 15-17 sh, 17-26 cl, 26-42 sh; 45°F (GSC-I)

Water-Well Records, West of the Fourth Meridian (Cont'd.)

Location West of 4th Mer. Lsd or 1/4	Sec.	Tp.	R.	Driller	Year drilled	Type of well	Hole diam. (in.)	Surface elev. (ft.)	Well depth (ft.)	Water depth (ft.)	Aquifer depth (ft.)	Yield or test rate (gpm)	Test results Drawdown or recovery (ft.)	Time (min.)	Use	Quality	Aquifer	Lithologic log, chemical analysis, and remarks
NE	35	3	12		1916	D	48s	3121	44	34					S	H,A,I	Belly River	0-40 blue cl, 40-44 sd; 44°F, has similar well 16 ft. deep on SW-35-3-12.(GSC-I)
SW	5	3	13		1914	Dr	6	3095		155		G			S	H,A	Pakowki	44°F (GSC-I)
SW	17	3	13		1909	Dr		3067		18		G			D,S	S	Pakowki	47°F (GSC-I)
NE	18	3	13		1909	Dr		3068		60		P			N	S	Pakowki	Water useless (GSC-I)
NW	23	3	13		1919	D	48s	3085		9		G			D,S	S,I	Glacial gr	44°F, near lake (GSC-I)
SW	26	3	13		1934	D	48s	3025		10	12	G			D,S	S	Glacial sd	Bottomed in sd; aquifer 2 ft. thick (GSC-I)
NE	3	3	14	Foremost	1951	Dr	3,2c	3109	693	100		G			D,S	S	Lower Milk River ss	(GSC-I)
NE	3	3	14		1915	Dr	6	3130	180	40		G			D,S	S,So	Milk River ss	0-40 cl, dr, 40-100 Pakowki, 100-180 ss (GSC-I)
SW	3	3	14	Seaman	1960	Dr			180	80		8	0	60		S		0-35 cl, 35-75 blue sh, 75-78 ss, 78-135 blue sh, 135-180 Milk River ss
SE	12	3	14		1923	Dr	5,4	3098	206	30	70,200				S	S	Milk River	46°F (GSC-I)
SE	27	3	14		1910	Dr	6	3070	135			G			D,S	S,So	Milk River ss	Bottomed in ss (GSC-I)
SW	28	3	14		1920	Dr	6	3090	300	30		G			D,S	S,So	Milk River ss	Bottomed in ss (GSC-I)
NW	29	3	14		1935	Dr	6	3030	310	76		G				H,A	Belly River	0-36 topsoil, 36-71 Belly River, Foremost, 71-91 cl & boulders, 91-310 sh & greyish quartz, sd in layers of 5-20 ft., slight traces of coal in sd, bottomed in sh; water salty (GSC-I)
	5	3	15			Dr		3358										Resistivity data shows top of permeability at 420 extending down to a weakly defined base at approx. 500.
NW	7	3	15		1924	D	48s	3287	20	15		G			D,S	H	Glacial gr	(GSC-I)
SE	9	3	15	Commonwealth		R			3157	115								
SE	9	3	15			Dr	6,4		320	40					D,S		Lower Milk River ss	40 br, bottomed in ss; water no good (GSC-I)
NW	28	3	15		1913	Dr	6	3220	190	165		G			D,S	S,So	Milk River ss	Bottomed in ss; 44°F (GSC-I)
NE	33	3	15		1932	Dr	4	3100	140	50		G			S	H,I	Pakowki	0-? cl, ?-102 gumbo, 102-135 quicksand, 135-140 gr; water salty, 43°F (GSC-I)
SW	33	3	15		1913	Dr	6	3190	165	159					D,S	S,So	Pakowki	Bottomed in coal; 45°F (GSC-I)
NE	35	3	15		1933	Dr	6	3060	160	32					S	H,So	Pakowki	80 br, bottomed in gr; 44°F (GSC-I)
SE	3	3	16		1932	Dr	6	3500	150	130		P			N	H,A	Foremost	Water is bitter. Water can be obtained from about 9 ft. in this vicinity but is very hard, alkaline and unfit to use.(GSC-I)
NE	6	3	16		1929	Dr	6	3480	100	99		VP			D	S,So	Foremost	Has another well 20 ft. deep, 18 ft. to hard water, used for stock.(GSC-I)
NW	9	3	16		1927	Dr	6	3366	62	4		G			S	S,So	Pakowki	Has another well 24 ft. deep, 18 ft. to soft water with a good supply. The aquifer is gr and the elevation is 3382.(GSC-I)
NW	12	3	16		1918	D		3319	15	6					D,S	H	Glacial cl (till)	(GSC-I)

SW	13	3	16			D	48s	3315	14	9					N	H	Glacial cl	Water has a bitter and bad taste. (GSC-I)
SW	15	3	16		1918	Dr	3	3378	516	180		G			D, S Ir	S, A	Milk River ss	Water salty (GSC-I)
SE	16	3	16		1908	D	48s	3359	27	18					D	H	Belly River	(GSC-I)
12	17	3	16	Southern Alberta	1960		6 3/4, 4 3/4		470	298		15	0	360		S		0-230 little show of water, 230-420 sh, 420-470 grey sd
SW	18	3	16		1928	Dr	6	3425	26			G			S	S, So	Glacial gr	Water has a bad effect. Three wells in coulee 12 ft. deep, with a ss aquifer at 12 ft. One is too alkaline even for stock, one has a little alkali, and the other one has good hard water used for domestic purposes. (GSC-I)
NW	19	3	16		1934	D	42c	3354	26	12		G			D, S	H	Belly River ss	(GSC-I)
NW	22	3	16		1924	Dr	6	3320	152	82		G			N	S, So	Belly River ss	Bottom plugged with sd (GSC-I)
SE	25	3	16		1935	Dr?	36c	3178?	130	30		G			D, S	H	Pakowki	82 br, bottomed in sd; spring in coulee bank flows at 2 gpm and comes out of ss at 16 ft. in bank. Water is very good. (GSC-I)
SW	27	3	16		1924	Dr	6	3318	160	70		G			D, S	S, So	Belly River ss	85 br (GSC-I)
NW	31	3	16		1935	Dr	5	3357	179	90					S	S, So	Pakowki ss	139 br; water at 30 ft. so full of mineral it would not freeze and was bitter to the taste. Has another dug well 18 ft. deep, with 6 ft. of hard water used for domestic purposes. Well is all in sd, and has a good supply. (GSC-I)
NE	31	3	16		1906	D	48s	3326	35	32		G			D, S	H	Belly River ss	(GSC-I)
NE	32	3	16		1924	Dr	6	3313	260	100		<1			S	S, So	Belly River ss	0-165 cl & boulders, 165-260 ss; has another well 315 ft. deep in same yard which is a dry hole. (GSC-I)
NW	33	3	16		1921	Dr	6	3286	138	68					D, S	S, So	Belly River	0-15 topsoil, 15-30 cl & stones, 30-32 layer of boulders, 32-56 cl, 56-96 sh, 96-111 ss, 111-112 limestone, 112-138 ss (GSC-I)
SW	34	3	16		1930	D	48s	3364	21	19		G			D, S	H	Belly River	3 br (GSC-I)
SE	1	3	17		1930	Dr	6	3584	104	80					S	S, So	Belly River	74 br (GSC-I)
SW	11	3	17		1928	D	48c	3654	22	6		G			D, S	H	Glacial gr & sd	(GSC-I)
SW	12	3	17		1933	D	84c	3408	14	12		P			D	H	Glacial sd	Bottomed in sd (GSC-I)
NW	13	3	17		1932	D	30c	3446	40	25		G			D, S	H	Glacial sd	(GSC-I)
NE	4	3	17		1922	Dr	6	3460	90	30		G			S	H, A	Belly River	16 br (GSC-I)
NE	19	3	17		1909	D	36s	3555	22	17		G			D, S	H	Glacial sd & gr	(GSC-I)
NE	20	3	17		1917	D	36s	3504	25	16		G			S	H, A	Glacial gr	(GSC-I)
SW	23	3	17		1930	Dr	6	3508	140	100					D, S	S, So	Foremost	Well is now a dry hole. Has another well 240 ft. deep with a poor supply, practically a dry hole. (GSC-I)
NW	25	3	17		1910	Dr		3404	250	D							Foremost	20 br; has two other wells, one drilled in 1910 is 220 ft. deep, and another drilled in 1917 is 175 ft. deep. Both are dry holes. (GSC-I)
SW	25	3	17		1908	D		3391	18	10	15	<1			S	H, A	Foremost	15 br (GSC-I)
SW	27	3	17		1927	D	48s	3421	22	16					D	H	Glacial sd & gr	(GSC-I)

Water-Well Records, West of the Fourth Meridian (Cont'd.)

Location West of 4th Mer. Lsd or 1/4	Sec.	Tp.	R.	Driller	Year drilled	Type of well	Hole diam. (in.)	Surface elev. (ft.)	Well depth (ft.)	Water depth (ft.)	Aquifer depth (ft.)	Yield or test rate (gpm)	Test results Drawdown or recovery (ft.)	Time (min.)	Use	Quality	Aquifer	Lithologic log, chemical analysis, and remarks
NW	28	3	17		1933	D	36s	3465	18	14					D, S	H	Glacial sd & gr	(GSC-I)
SE	29	3	17		1934	D	48s	3450	20	9		G			D, S	H, A	Glacial sd	Has another well 11 ft. deep with 7 ft. of hard water, not fit for house use. (GSC-I)
NW	31	3	17		1928	Dr	6	3464	220	30	140	G			N	S, So	Pale Beds (ss)	(GSC-I)
NE	32	3	17		1918	Dr	6	3450	176			P			S	H, A	Pale Beds	
NE	33	3	17		1912	Dr	6	3386	85	45		G			D, S	H, A	Pale Beds	11 br; unfit for use (GSC-I)
NE	34	3	17		1912	Dr	6	3381	85	60		G			S	H, A, I	Foremost (sd)	85 br; kills chickens (GSC-I)
NW	34	3	17		1911	Dr	6	3388	85	40					D, S	H, A	Foremost	14 br; well not used since 1920 because the water developed a bitter taste. Water at 38 ft. will kill stock. There is another well 165 ft. deep with 147 ft. of water at this location. Gas with enough volume to heat house & to cook with was encountered at 145 ft., but there is good water below the gas. (GSC-I)
NW	35	3	17		1920	Dr	6	3378	120	35	60	G			D, S	S, So	Foremost	60 br (GSC-I)
NE	35	3	17		1918	Dr	6	3359	183	93		G			D, S	S, So	Foremost	90 br; three more wells drilled to about 80 ft. with bitter water which killed the stock. Br was not reached in any of these wells. (GSC-I)
NE	36	3	17		1925	Dr	6	3347	78	48					S	S, So	Foremost	30 br; water has become alkaline of late. There is another well, dug 12 ft. deep, with 2 ft. of hard clear water, used for the house. (GSC-I)
SW	20	3	19		1908	D	18	3940	65	+3					D, S	S	Glacial dr	Well produces a 1/2 in. steady stream. (GSC-I)
2	23	3	19			Dr				F								0-20 brown cl & gr, 20-40 blue cl, 40-70 blue sh; flowing shot hole
5	19	3	21			Dr			60									Water sample taken at 60 ft., total solids?, sodium 148, calcium 30, magnesium 15, chlorides 7.4, sulfates 146, bicarbonates 360
11	19	3	21			Dr												Water sample taken at 96 ft., total solids?, sodium 60, calcium 75, magnesium 30, chlorides 6.7, sulfates 53, bicarbonates 457
NW	19	3	22			Dr		3995	503	F	112							400-404 coal, 456-460 coal (GSC-I)
NW	24	3	22			Dr		3800		F		VG			D, S	H	Fox Hills	(GSC-I)
SW	25	3	22			Dr				36	664						Bear Paw	(GSC-I)
SE	36	3	22			Dr				F	16, 32, 106	6					Pale Beds	Water at 16 ft. rose to 5 ft., water at 32 ft. rose to surface and water at 106 ft. flowed.(GSC-I)
NW	36	3	22			D		3640	12	3		P			D, S	H	Glacial cl	45°F (GSC-I)
NE	24	3	23			Dr			412		100					S	Fox Hills	Total solids 1162, sodium 366, calcium 37, magnesium 15, chlorides 8.1, sulfates 487, bicarbonates 525 (GSC-I)
SE	24	3	23			Dr			528		100						Fox Hills	Boulder and cl contact at 56 ft., 56-80 cl, sh & boulder cl, 80-96 boulder cl, 96-104 sandy pale greenish grey sh

SE	24	3	23			Dr		4104	486	24 120	56-66 248-258						Fox Hills	(GSC-I)
	3	3	24	G. Leismeister	1963	Dr	4		300	75	220	2	100 -100	240 30		MH		0-76 brown cl, 76-120 blue sh, 120-210 grey sh, 210-220 ss, 220-240 sh, 240-300 sh & ss
	4	3	24	G. Leismeister	1963	Dr	4		180			2.5						0-30 brown cl, 30-100 sh & ss, 100-120 ss, 120-160 blue sh, 160-163 sh, 163-180 ss
SW	10	3	24	Southern Water Wells	1961	Dr	6		123	42	73-74, 122-123	2	115 -115	180 75	D, S			0-73 cl, 73-74 sd, 74-90 cl, 90-91 sd, 91-123 sh
NE	10	3	24	Northern Water Supply	1961	Dr	5		158	60	60-61, 80-92, 122-123	10	45 -45	120 30	D, S			0-60 cl, 60-61 sd, 61-78 cl, 78-92 sd & water, 92-122 cl, 122-123 sd, 123-155 cl, 155-158 sh
NE	10	3	24	Southern Water Supply	1961	Dr	6		158	60	60-61, 82-91, 122-123, 155-158	10	45 -45	30				0-78 cl, 78-92 sd, 92-155 cl, 155-158 sh
NE	32	3	24			Dr			145		75	12						(RCA-GF)
NE	34	3	24			Dr			88			G					Quicksand	(RCA-GF)
NE	35	3	24			Dr			180		180	G				S	Soft cl	Correctness of location in question (RCA-GF)
NW	24	3	25			Dr			200						N			(RCA-GF)
NE	25	3	25						16			G					Ss	(RCA-GF)
SE	36	3	25						90	D								Some gas present (RCA-GF)
	6	3	27	Wright	1947	Dr			80	10	10				D	H	Cl	Water is cloudy and yellow.
	6	3	27		1949	Dr			120	30					N	H		Well has never been in use.
	6	3	27	Sill	1949	Dr			170	30	30	<1			D, S	H		Sand at 90 ft.; ignition loss 90, sulphates 300, chlorides 34, alkalinity 360, nature of alkalinity is carbonate of sodium and calcium
1	15	3	28	J. Maughan	1964	Dr	6		160	35	55-60, 100	20 <1			S	H		0-50 cl, 50-60 sd, 60-85 dr, 85-98 soft sh, 98-155 rocks, 155-160 sh; water was shut off by sand, but with a screen, it produced 3.5 to 4 gpm.
NW	28	4	2			S						P			S	H		(GSC-I)
SW	12	4	3			S				F		VG			D, S	H		Continuous flow (GSC-I)
SW	27	4	3	W. Smith	1956	Dr	6		73	41		7			D			0-4 topsoil, 4-32 brown cl, 32-61 very hard ss, 61-63 blue cl, 63-72 ss (water)
SW	2	4	5		1919	D			43	40	32				D	S	Cl & sd	0-22 cl with sd streaks, 22-32 rock, 32-43 cl & sd; had a plentiful supply at one time (GSC-I)
NE	3	4	5		1917	D			20	15	20				D	S	Cl	0-20 cl (GSC-I)
SW	4	4	5		1918	D			20	11		P			D, S	H	Glacial sd & gr	0-20 cl, bottomed in sd (GSC-I)
SE	6	4	5		1920?	D			15	8		G			D, S	H	Belly River sd?	0-15 cl, bottomed in sd; water level varies with nearby slough.(GSC-I)
NE	10	4	5		1910	D			10	6	9				D, S	S		0-9 cl, 9-10 rock (GSC-I)
NE	10	4	5			S		3138				G			S	S	Glacial deposits	Not flowing (GSC-I)
NW	10	4	5		1920	D	48s	3143	50	48		P			D, S	H	Pale Beds	0-3 cl, 3-16 sandy cl, 16-20 ss, 20-50 light colored sh (GSC-I)
NW	15	4	5		1919	D			8	4	8	5	4	90	D	S, So		0-8 sd (GSC-I)
SE	16	4	5		1918	D			16	8	16		8	240	D, S	S	Cl	0-16 cl; surface water seeps into well.(GSC-I)
NE	16	4	5						30	21					S	H, A		
SE	20	4	5		1928	D	30s	3168	28	21		<1			D, S	H, A	Pale Beds	0-8 yellow cl, 8-45 soft ss, 45-48 hard ss (GSC-I)
SE	21	4	5		1914	D			20	10	15				D, S	S	Gr	0-15 cl loam, 15-20 gr (GSC-I)

Water-Well Records, West of the Fourth Meridian (Cont'd.)

Location West of 4th Mer. Lsd or 1/4	Sec.	Tp.	R.	Driller	Year drilled	Type of well	Hole diam. (in.)	Surface elev. (ft.)	Well depth (ft.)	Water depth (ft.)	Aquifer depth (ft.)	Yield or test rate (gpm)	Test results Drawdown or recovery (ft.)	Time (min.)	Use	Quality	Aquifer	Lithologic log, chemical analysis, and remarks
NW	21	4	5		1913	D			27	25	27		2	20	D, S	S	Cl	0–27 blue cl; principally surface water (GSC-I)
	21	4	5			Dr		3184										Resistivity shows Milk River ss extending from approximately 1170–1240 and from 1320–1370. These Upper and Lower Milk River zones do not appear to contain fresh water at this location.
SW	27	4	5		1918	D			36	25	35		14	120	D, S	S, So	Cl	0–20 black loam & gr, 20–36 cl; poor drinking water (GSC-I)
NW	28	4	5		1910	D	60s	3218	48	36					D, S	H, A		(GSC-I)
SW	7	4	6		1918	Dr	3c	2860	640	+25		18			D, S	S, So	Milk River ss	Bottomed in ss; 50°F (GSC-I)
NW	7	4	6	Midland	1949	Dr	2c		760			G			S	S	Lower Milk River ss	(GSC-I)
SW	10	4	6			Dr	3c		75	45		<1			D, S	S, So, I	Foremost	40°F (GSC-I)
NW	10	4	6	Midland	1949	Dr	2c		900	F		20			D	S	Lower Milk River ss	(GSC-I)
NE	16	4	6			Dr	2c		912			G			D	S	Lower Milk River ss	
SE	16	4	6		1923	D	36		60	58					N	H, A, I	Pakowki? sd & gr	Sd & gr, bottomed in blue sh (GSC-I)
NE	16	4	6		1925	Dr	6		80	78		P			D	S, So	Pale Beds? (glacial quicksand)	Bottomed in quicksand (GSC-I)
NE	16	4	6		1916	D	42c		24	7	24		4	60	D, S	H, A	Sd	0–24 sd
NE	16	4	6						30	21					S	H, A		(GSC-I)
16	16	4	6		1943	Dr			783	F		6						Information from Alberta Petroleum Book 1943 (GSC-I)
SE	17	4	6		1920	D	42s		85	80		P			S	H, A	Pakowki	0–20 cl, 20–85 blue sh; has a bad effect (GSC-I)
SW	21	4	6		1930	D	48s		30	21		P			S	H, A	Glacial sd	Bottomed in sd; bad effect on stock (GSC-I)
4	27	4	6	B. Ellifson	1963			2700	22	2	10	G			S			Bottomed in loose sd & gr
4	27	4	6		1963	B	24c		26	12		G						Bottomed in loose sd & gr
SW	27	4	6		1918	Dr	3,2		810	+7, lr	805	25–18			D, S,	S, So	Milk River ss	(GSC-I)
SW	27	4	6			Dr	2c		1021	F		G				S	Milk River sd	(GSC-I)
	29	4	6			Dr	3		800	+7	750	25			D, S	S, So	Milk River ss	Slightly laxative (GSC-I)
	30	4	6			Dr	3		800	+7	725				D, S	S, So	Milk River ss	Laxative (GSC-I)
SW	2	4	7			D	42 x 30?		24		24	P			D, S	S		
SW	7	4	7			B	30		28	5	28				D, S	S		Bottomed in sd
NW	7	4	7		1933	Dr	3,2c		625	+4		35			D, S	S, So	Milk River ss	Bottomed in blue cl; 52°F (GSC-I)
NE	22	4	7		1913	D	36s?		14	9	14	<1	5	90	D, S	S		Bottomed in sd (GSC-I)
NE	25	4	7		1914	D	36c		14	10	14				D, S	H, So		Bottomed in sd; pumped dry in one half hour

NE	25	4	7		1914	D	36s?		18	6, 12	18	<1	S	H, So		Bottomed in sd (GSC-I)
	25	4	7	Fore most	1952	Dr	2c		912	F		VG	S	S	Milk River sd	(GSC-I)
NE	27	4	7			Dr	2c		820	F		G	D, S		Lower Milk River ss	
NE	27	4	7			Dr		2833	640	F		G			Lower Milk River ss	Foremost, Pakowki, Upper Milk River; some gas (GSC-I)
NE	27	4	7		1913	D	36		14	12	12	<1	D, S	S	Gr	12-14 gr; pumped dry in 20 min., not a good supply in dry years (GSC-I)
NE	27	4	7		1913	D	60		16	10	13		S	H, A		Pumped dry in 90 min., not a good supply in dry years
NE	27	4	7		1917	Dr	3,2c	2840	640	+30		25-15	D, S	S, So	Br	Some gas, 50°F (GSC-I)
NE	32	4	7			D			25		20		N	Salty bitter		
NE	32	4	7		1916	Dr	3,2c	2825	640	+6		8	D, S	S, So	Milk River ss	150 br; some gas, 50°F (GSC-I)
NW	33	4	7			Dr		2813	616	F		G			Lower Milk River ss	Foremost, Pakowki, Upper Milk River; some gas (GSC-I)
NE	33	4	7			D?			30	25			N			
SE	34	4	7		1929	Dr	3,2c	2830	650	+12	611	10	D, S	S, So		611-650 ss, 159 br; 50°F (GSC-I)
SE	34	4	7			Dr	2c		820			G	D, S	S	Lower Milk River ss	
SE	34	4	7			Dr		2824	649	F	630	G			Lower Milk River ss	Foremost, Pakowki, Upper Milk River; some gas (GSC-I)
NW	34	4	7			D	48s		22	16			D, S	H		
SE	36	4	7		1918	B	48s		12	8			D, S	H		8-12 cl
NE	36	4	7			Dr	3	2845	799	+7, 694	694	25	D, S	S, So	Milk River ss	Has a laxative effect, 50°F (GSC-I)
NE	36	4	7		1948	Dr	3c		860	F		G	S	S	Lower Milk River ss	(GSC-I)
SW	5	4	8	Midland	1950	Dr	3,2c		821			G	D, S	S	Lower Milk River ss	(GSC-I)
NW	7	4	8	Midland	1950	Dr	3,2c		821			G	D, S	S	Lower Milk River ss	(GSC-I)
NW	7	4	8		1935	B	24	2935	35	29		<1	S	H	Glacial sd	0-35 sd; 50°F (GSC-I)
NW	9	4	8		1916	B	24	2875	140	70		<1	N	H, I	Pale Beds	0-15 sandy loam, 15-140 blue cl; 50°F (GSC-I)
	12	4	8			Dr		2890								
	14	4	8	E. Kiengle	1955	Dr	30c		800			G	D, S	S	Lower Milk River ss	(GSC-I)
SW	14	4	8		1928	B	24	2835	50	45		<1	D, S	H, So, I	Glacial quicksand	Bottomed in quicksand; 50°F (GSC-I)
NW	15	4	8		1933	Dr	3,2	2850	650	+4		10	D, S	S, So	Milk River ss	0-180 cl, 180-650 ss; 52°F (GSC-I)
SW	18	4	8		1911	Dr	6	2890	200	100		G	D, S	H	Foremost?	Bottomed in quicksand?; 48°F (GSC-I)
NW	19	4	8													0-67 glacial, 67-365 Foremost, 365-643 Milk River; 52°F (GSC-I)
NW	19	4	8		1918	Dr	4 1/2, 3c	2875	643	+8 593		12	D, S	S, So	Milk River ss	Foremost, Pakowki (GSC-I)
NW	20	4	8		1930	D	36c	2860	18	12		G	D, S	H	Glacial sd	180 Foremost, bottomed in cl; 50°F (GSC-I)
NW	21	4	8		1933	B	24c	2845	43	30		G	D, S	H, So	Glacial sd	Bottomed in gr & blue cl; 48°F (GSC-I)
NE	22	4	8		1929	Dr	3,2	2835	600	+3			D, S	S	Milk River ss	52°F (GSC-I)

Water-Well Records, West of the Fourth Meridian (Cont'd.)

Location West of 4th Mer. Lsd or 1/4	Sec.	Tp.	R.	Driller	Year drilled	Type of well	Hole diam. (in.)	Surface elev. (ft.)	Well depth (ft.)	Water depth (ft.)	Aquifer depth (ft.)	Yield or test rate (gpm)	Test results Drawdown or recovery (ft.)	Time (min.)	Use	Quality	Aquifer	Lithologic log, chemical analysis, and remarks
SE	22	4	8		1923	B	24	2830	56	32		<1			D,S	H,I	Glacial cl	0-1.5 topsoil, 1.5-35 brown cl, bottomed in blue cl; 50°F (GSC-I)
NW	29	4	8		1955	Dr	4 1/2, 2 1/2c		840			G			D,S	S	Lower Milk River ss	(GSC-I)
SE	31	4	8		1917	D	36	2875	30	27		<1			D,S	MH	Glacial sd	Bottomed in blue cl; 50°F (GSC-I)
NW	31	4	8		1935	Dr	3,2c	2885	625	+4		15			D,S	S,So	Milk River ss	0-3 topsoil, sd, blue cl, coal, 3-30 blue cl, 30-36 coal, 36-66 blue cl, ss; 52°F (GSC-I)
NE	36	4	8		1925	Dr	18,6		3000			20			S	S	Milk River ss	Bottomed in lower Alberta sh; cased to 600 ft., government well (GSC-I)
SE	5	4	9		1916	Dr	6	2905	190	50	80	G			S	H,A,I	Foremost	Topsoil, blue cl, fossils; 48°F (GSC-I)
SE	6	4	9		1934	B	24	2915	30	20					D,S	H	Glacial dr?	Water laxative, 48°F (GSC-I)
SE	6	4	9	Seaman		Dr	4 3/4		700	80	620-700	10	30	60	D,S	S	Milk River ss	0-115 cl & sd, 115-230 blue sh, 230-234 ss, 234-600 blue sh,ss stringers, 600-660 Upper Milk River, 660-680 sh, 680-700 Lower Milk River
SW	10	4	9			D	60c	2870	5	2		3			D,S	H	Glacial quicksand	Cl, bottomed in quicksand; 50°F (GSC-I)
SW	15	4	9		1914	Dr	6	2875	142	67		G			S	H,A,I	Glacial gr	Bottomed in very coarse gr (GSC-I)
SE	15	4	9		1929	Dr	3,2	2865	803	10		G			D,S	S,So	Milk River ss?	50°F (GSC-I)
NW	16	4	9		1935	D	60c	2885	17	4		>1			D,S	MH	Glacial sd & gr	Cl, bottomed in gr; 50°F (GSC-I)
SW	16	4	9		1935	D	48s	2865	10	6		G			D,S	MH	Glacial quicksand	Cl, bottomed in blue cl (GSC-I)
SE	16	4	9		1915	D		2875	9	6		G			D,S	H	Glacial quicksand	Bottomed in quicksand; 50°F (GSC-I)
NE	18	4	9		1930	D		2940	120	17		<1			D,S	H	Glacial sand	0-3 topsoil, bottomed in sd; 48°F (GSC-I)
NW	18	4	9		1914	D	36s	2945	10	7		<1			D,S	H	Glacial sand	0-3 topsoil, bottomed in quicksand; 48°F (GSC-I)
SW	19	4	9		1924	D	36s	2945	10	6		G			D,S	H	Glacial quicksand	0-3 topsoil, 3-10 quicksand; 48°F (GSC-I)
SW	21	4	9			Dr		2993	680	20						S	Lower Milk River	Foremost, Pakowki, Milk River (GSC-I)
NW	21	4	9		1918	Dr	1 1/4	2998	718	20		G			D,S	S,So	Milk River ss	Bottomed in ss; flowed until 1930, 50°F (GSC-I)
SW	26	4	9			D	60s	2910	10	5		G			D,S	H	Glacial cl	Bottomed in gr; 50°F (GSC-I)
SE	26	4	9			D		2900	6	4		2			S	H	Glacial gr	Bottomed in gr; 50°F (GSC-I)
NE	26	4	9		1910	D	48s	2915	28	22		G			D,S	H	Glacial gr	Bottomed in cl; 50°F (GSC-I)
SW	28	4	9		1930	D	36s	2990	12	9		<1			S	H,I	Glacial sd	Bottomed in sd; 48°F (GSC-I)
SW	30	4	9		1918	D	48s	3000	12	10		<1			D,S	H	Glacial gr	Bottomed in gr; 48°F (GSC-I)
NE	35	4	9			Dr		2919	680	F?							Lower Milk River	Foremost, Pakowki, Milk River; good flow (GSC-I)
NE	35	4	9		1928	Dr	3,2	2919	670	+5		12			D,S	S		Bottomed in ss; 52°F (GSC-I)

NE	1	4	10		1930	B	24	3120	53	34		G		S	H,A,I	Glacial cl?	Bottomed in sd; 50°F (GSC-I)
SW	2	4	10		1931	D	36s	3120	16	13		.5		D,S	H	Glacial cl?	Bottomed in sd; 50°F (GSC-I)
NW	2	4	10		1913	D	36s	3130	14	11		<1		D,S	MH	Glacial cl?	Bottomed in gr; 50°F (GSC-I)
NE	3	4	10		1951	Dr	3,2		820	140		G		D	S	Lower Milk River	(GSC-I)
SW	4	4	10		1933	D	48c	3200	50	30		<1		S	H,A, So	Glacial cl	Topsoil, grey clay, bottomed in blue cl; 48°F (GSC-I)
NW	4	4	10		1928	B	24	3200	26	6		<1		D,S	MH	Glacial sd	Bottomed in sd; 50°F (GSC-I)
SW	6	4	10		1914	D	48s	3150	14	6		>1		D,S	H	Glacial cl	Bottomed in cl; 50°F (GSC-I)
NW	6	4	10		1933	D	42s	3155	52	32		G		S	H,I	Glacial cl	Bottomed in cl; 50°F (GSC-I)
NE	9	4	10		1915	D	42s	3190	33	3		G		D,S	H,A,I	Glacial quicksand	Bottomed in quicksand; 50°F (GSC-I)
NE	10	4	10		1929	D	36s	3175	32	24		1		D,S	S	Glacial sandy loam	Bottomed in gr; 50°F (GSC-I)
NW	10	4	10		1913	D	42s	3170	38	13		G		S	H,A,I	Blue cl?	Bottomed in hard pan; 50°F (GSC-I)
SE	14	4	10		1911	D	36s	3130	20	16		<1		D,S	H	Glacial cl	Bottomed in gr; 48°F (GSC-I)
SE	16	4	10		1911	D	42s	3190	42	30		>2		D,S	H,A,I	Glacial sandy loam	Bottomed in blue cl; 50°F (GSC-I)
NE	18	4	10	B. Ellifson	1963	B	25		25	18	23	P		S			Bottomed in rocks; low transmissibility
NE	18	4	10		1933	B	24	3160	36	24		.5		S	H,I	Glacial cl	Bottomed in cl; 50°F (GSC-I)
NE	19	4	10		1910	D	48s	3140	12	2		<1		D,S	S	Glacial cl	Bottomed in sd; 48°F (GSC-I)
NW	20	4	10		1930	D	36s	3150	14	10		.5		S	H	Glacial cl	Bottomed in sd; 48°F (GSC-I)
NE	20	4	10		1911	D	36s	3150	16	12		<1		D,S	MH	Glacial cl	Bottomed in sd; 48°F (GSC-I)
NW	21	4	10		1911	D	36s	3160	16	12		.5		D,S	MH	Glacial cl	Bottomed in sd; 48°F (GSC-I)
NE	21	4	10		1911	D	36s	3155	16	12		.5		D,S	S	Glacial sd & gr	Bottomed in sd; 50°F (GSC-I)
NE	22	4	10			D	48s	3160	12	7		G		D,S	S	Sd	Bottomed in cl; 50°F (GSC-I)
SE	24	4	10		1933	D	48c	3070	12	8		<1		D,S	H	Sandy loam	Bottomed in sd; 50°F (GSC-I)
NE	24	4	10		1933	D	48s	3075	12	8		<1		D,S	H	Glacial sandy loam	Bottomed in quicksand; 50°F (GSC-I)
SW	26	4	10		1927	D	42s	3100	11	6		1		D,S	S	Glacial sandy loam	Bottomed in sd; 50°F (GSC-I)
NE	27	4	10		1934	D	42s	3090	11	6		.5		D,S	S	Glacial sandy loam	Bottomed in blue cl; 50°F (GSC-I)
SW	35	4	10		1910	D	36s	3150	16	8		3		D,S	S	Glacial sd	Bottomed in cl; 50°F (GSC-I)
NW	1	4	11		1914	D	48s	3075	10	3	10	G		D,S	S	Glacial sd	0-3 cl, 3-5 blue sandy cl, 5-10 gr; 44°F (GSC-I)
SW	2	4	11		1917	Dr	6	3140	120		120			N	H,A,I	Foremost	Dr, Foremost, Pakowki; 44°F (GSC-I)
NW	5	4	11			Dr	6	3155	100	82	100	G		S	H,A,I	Belly River	Dr, Foremost, quicksand, 90 br; 45°F (GSC-I)
SW	8	4	11			Dr	6	3159	730	60	513					Belly River?	0-71 topsoil, dr, 71-234 Foremost, 234-508 Pakowki, 508-587 Milk River, 587-730?; water cased off (GSC-I)
NW	9	4	11		1914	B	24s	3160	60	40	60			N	H,A	Blue cl	Dr, Foremost; 44°F (GSC-I)
NW	12	4	11		1915	D	48s	3080	40	20	36	G		S	H,A,I	Sd	Dr, Foremost; 44°F (GSC-I)
NW	13	4	11		1910	D	48s	3085	20	14	20	P		S	H,A,I	Glacial sd	44°F (GSC-I)
NW	14	4	11		1933	D	48s	3135	15	11	15	G		D,S	H,A	Glacial gr	43°F (GSC-I)
	21	4	11			Dr	3,2		791			G		S	S	Lower Milk River ss	(GSC-I)
NW	21	4	11		1930	B	24	3050	54	20	46	G		S	H	Dr	44°F (GSC-I)
SW	23	4	11	Seaman	1958	Dr	4 3/4	3075	820	45-47		30	45	D,S	S		0-82 cl, 82-86 ss, 86-182 cl, 182-186 ss, 186-249 blue sh, 249-254 ss, 254-536 blue sh, 536-560 Upper Milk River, 560-614 blue sh, 614-794 Lower Milk River, 794-796 ss, 796-822?, bottomed in ss

Water-Well Records, West of the Fourth Meridian (Cont'd.)

Location West of 4th Mer. Lsd or 1/4			Driller	Year drilled	Type of well	Hole diam. (in.)	Surface elev. (ft.)	Well depth (ft.)	Water depth (ft.)	Aquifer depth (ft.)	Yield or test rate (gpm)	Test results Drawdown or recovery (ft.)	Time (min.)	Use	Quality	Aquifer	Lithologic log, chemical analysis, and remarks
SW	24	4	11		1932	D	48s	3075	50	44	50	P		S	H,A,I	Sd	Dr, Foremost; 44°F (GSC-I)
SE	24	4	11		1920	D	48s	3050	35	29	35	G		S	H,A,I	Sd	Dr, Foremost; 44°F (GSC-I)
NE	24	4	11		1923	D	48s	3055	25	19	25	G		S	H,A,I	Sd	Dr, Foremost, Belly River; water salty, 44°F (GSC-I)
SE	25	4	11		1927	D	48s	3050	25	20	25	G		S	H,A,I	Glacial sd	Glacial deposits; water salty, 44°F (GSC-I)
NW	28	4	11		1920	D	42s	3070	62	52	62	G		S	H,A,I	Sd	Dr, Foremost; 45°F (GSC-I)
NE	28	4	11		1913	D	24c	3070	48	38	48	G		S	H,I	Sd	Dr, Foremost; 45°F (GSC-I)
	30	4	11	Foremost	1953	Dr	10 3/4, 6 7/8		730	100				S	S	Lower Milk River ss	(GSC-I)
	30	4	11		1953	Dr	10 3/4		2550								Resistivity logs show broken permeability starting at approx. 560, and continuing on from 650-720; this well originally a gas well, now a farm water well (GSC-I)
SW	31	4	11		1919	B	24	3082	65	55	65	G		S	H,I	Sd	Dr, Foremost; 45°F (GSC-I)
NW	36	4	11		1929	B	24	3045	50	34	50	G		S	H,A	Cl	Dr, gr, Foremost; 44°F (GSC-I)
NW	3	4	12			D,B	60	3065	28	16	22	G		D,S	MS,I	Gr	Dr, Foremost, Belly River; dug 22 ft. & bored 6 ft., 45°F (GSC-I)
	4	4	12			Dr		2168									Resistivity log shows approx. 600-750 Milk River sd
NW	7	4	12			Dr	6	3210	130					S	H,A	Dr	Foremost, Pakowki; no supply at present time (GSC-I)
SW	12	4	12		1930	D	48s	3148	30	24	30	G		D,S	H,A	Glacial cl	44°F (GSC-I)
NE	13	4	12		1916	D	48s	3123	16	6	16	G		D,S	H,A	Glacial blue cl	44°F (GSC-I)
SW	14	4	12		1925	Dr	6	3120	100	40	88	P		D,S	S,So	Coal	0-40 cl, bottom sandy, (dr, Foremost, Belly River); 44°F (GSC-I)
SE	14	4	12		1930	D	48s	3175	64	15	45	P		S	H,A	Dr	Dr, Foremost, Pakowki (?); 44°F (GSC-I)
NW	17	4	12		1929	B	24	3130	59	14	59	G		D,S	H	Gr	Dr, Foremost, Pakowki (?); salt present, 45°F (GSC-I)
SE	19	4	12		1912	Dr	6	3155	60	8	60	G		S	S,So	Ss	Dr, Pakowki, Milk River?; 45°F (GSC-I)
NW	19	4	12		1925	D	48s	3175	35	30	35	G		D,S	H	Glacial cl?	44°F (GSC-I)
NE	22	4	12		1914	B	24	3170	128	43	127	G		S	H,A,I	Sandrock?	Dr, Foremost, Pakowki; 44°F (GSC-I)
NE	27	4	12		1917	Dr	6	3130	135	105	135	G		S	S,So	Gr	Dr, Foremost, Pakowki, Milk River? (GSC-I)
NE	28	4	12	Foremost	1953	Dr	3,2		806			G		D,S	S	Lower Milk River ss	(GSC-I)
NW	31	4	12		1917	Dr	6	3075	130	35		G		S	H,A	Dr	Dr, Foremost, Pakowki?; 44°F (GSC-I)
SE	31	4	12		1912	D	48s	3080	80	70	80	G		S	S,So	Ss	0-50 cl, 50-80 ss, (dr, Foremost, Pakowki); 45°F (GSC-I)
NE	32	4	12		1917	Dr	6	3090	135	125		G		S	H,A	Dr	Dr, Foremost?, Pakowki; 45°F (GSC-I)
NE	33	4	12		1917	Dr	6	3110	60	30	60	G		S	H,A	Sd & gr	Dr, Belly River; 44°F (GSC-I)
SE	33	4	12			Dr	6	3125	80	72	80	G		S	S,So	Sandrock	Dr, Foremost, Pakowki; 45°F (GSC-I)
SE	34	4	12		1920	B	24	3110	72	35	35	P		S	H,I	Dr	Dr, Foremost, Belly River, bottomed in sd; 44°F (GSC-I)
SE	35	4	12		1928	D	48s	3130	60	40	40	P		S	H,A	Dr	0-40 cl, 40 sd, 40-60 gumbo, (dr, Foremost, Pakowki); 44°F (GSC-I)
SW	36	4	12			D,Dr	36s, 3	3126	110	90	110	G		S	H,I, Su	Sh	Dr, Foremost, Pakowki; the hole was dug for 90 ft. & drilled for 20 ft., 46°F (GSC-I)

	27	4	13			Dr		3070											Resistivity log shows 500-675 Milk River sands.
SE	6	4	14		1909	Dr	6	3090	200		200	G			S	H	Quicksand	Dr, Pakowki; water salty, 44°F (GSC-I)
16	9	4	14	Southern Alberta	1960	Dr	5 1/2, 4 3/4		620	45	470-620	30	45	360	D, S	S	Milk River ss	0-45 bad water, 45-170 sandy formation, 170-470 sh, 470-620 Milk River ss
NW	11	4	14		1935	D	36s	3010	45	37	45	G			D, S	H, A	Sd	Dr, Foremost, Belly River; 45°F (GSC-I)
SE	12	4	14		1914	Dr	3 1/2, 4	3045	265	26	249	G			S	S, So	Ss	Dr, Pakowki, Belly River; water salty, 45°F (GSC-I)
SW	13	4	14		1934	B	24	3010	70	70		G, P			D, S	H	Sd	Dr, Foremost, Belly River; large amount of water in spring, small amount by fall, 43°F (GSC-I)
	20	4	14			Dr		3018											Resistivity log shows 280-420 Milk River ss (weak), 420-560 Lower Milk River ss (strong permeability).
SW	6	4	15			Dr	6	3220	280?			P			S	H, A	Dr	Dr, Foremost?, Pakowki?; 45°F (GSC-I)
SW	6	4	15		1918	Dr	6	3272	180			P			S	S, So		(GSC-I)
NW	9	4	15		1915	D	48s	3100	25	17	25	>1			D, S	H	Glacial black sd	45°F (GSC-I)
SW	10	4	15			Dr		3176	320	100	320	G			S	S, So	Ss	Bad water at 207 (GSC-I)
NW	10	4	15		1933	D	60s	3070	12	3	12	G			D, S	H	Glacial gr	45°F (GSC-I)
SE	11	4	15		1929	D	48s	3060	60	48	60	G			S	H, I	Gr & quicksand	Dr, Foremost, Pakowki; 45°F (GSC-I)
NW	12	4	15		1918	Dr	5, 4 1/2	3080	336	70	336	G			S	S, So	Ss	Dr, Pakowki, Milk River; 45°F, drilled 200 ft. deeper in 1932 (GSC-I)
NW	13	4	15		1935	Dr	6	3070	502	110	460	G			N	S, So?	Ss	Dr, Pakowki, Milk River (GSC-I)
	15	4	15			Dr		3161											Resistivity log shows weak permeability of Upper Milk River sands at approx. 420 with good permeability commencing at approx. 480 and continuing to 580.
SW	18	4	15			D	48s	3115	19	15	19	P			S	H	Grey sd	Dr, Foremost, Belly River (GSC-I)
SW	19	4	15		1926	Dr	6	3176	320	100		G			S	S, So		0-2 soil, 2-10 soil & white cl, 10-319 sh, 319-320?; water laxative (GSC-I)
SW	19	4	15		1915	Dr	6	3130	300	90	300	G			S	S, So	Ss	Dr, Foremost, Pakowki, Milk River?; 45°F (GSC-I)
NW	19	4	15		1931	D	36s	3120	18	7	18	G			D, S	H, I	Gr	Glacial deposits; 44°F (GSC-I)
NE	22	4	15			Dr		3160	590	120		P			D, S	S	Sd?	Foremost, Pakowki, Milk River; 49°F (GSC-I)
NW	22	4	15		1925	Dr	6	3120	598	120	550	G			D, S	S, So	Ss	Dr, Pakowki, Milk River?; 45°F (GSC-I)
SE	28	4	15		1908	Dr	6	3100	230	150	25	G			D, S	S, So	Ss	0-30 ?, 30-230 sh, (dr, Foremost, Pakowki, Milk River?); 45°F (GSC-I)
NE	31	4	15			Dr	6		196	60		5-6				S	Glacial	Water salty (GSC-I)
NW	31	4	15		1933	D	36c	3137	48	35		G			S	H	Glacial cl	Water bitter (GSC-I)
NW	31	4	15		1931	D	36s	3125	36	30	28	G			S	H	Sd & gr	Dr, Foremost, Belly River; 45°F (GSC-I)
SW	32	4	15			D	48s	3130	22	18	22	G			S	H	Glacial gr	0-22 cl; 45°F (GSC-I)
NW	32	4	15			D	48s	3125	24	15	24	G			S	H	Glacial sd	0-24 cl; 44°F (GSC-I)
NW	6	4	16		1925	Dr	4c	3371	230	180		G			D, S	H	Belly River sh Pakowki ss	0-1.5 topsoil, 1.5-10 ss, 10-12 ironstone concentrations, 12-80 sh, 80-80.5 Ignite?, 80.5-230 sh (GSC-I)
SE	10	4	16		1935	D	48s	3107	18	7		G			D, S	S	Sd & cl	0-.5 topsoil, .5-7 sd & cl, 7-15 sd (GSC-I)
NE	12	4	16		1930	Dr	6	3170	214	132					N		Belly River sh	0-15?, 15-30 light cl, 30-110 sandy cl, 110-120 sh, 120-170 sandy cl, 170-190 sd & gr, 190-196 soft sd, 196-200 sandy sh, 200-210 tough blue sh, 210-212 soft sh, 212-214 mud & sd (GSC-I)
SE	14	4	16		1918	Dr	6	3233	200	160		VG			D, S	S, So	Belly River ss	0-2 soil, 2-10 white cl, 10-? cl with sd lenses?, ?-200? (GSC-I)
SW	18	4	16		1909	Dr	6	3320	173	72		G			D, S	S, So	Belly River ss	0-25 cl & boulders, 25-32 ss, 32-58 blue sh, 58-64 hard grey ss, 64-73 sh, 73-108 ss, 108-109

Water-Well Records, West of the Fourth Meridian (Cont'd.)

Location West of 4th Mer. Lsd or 1/4	Sec.	Tp.	R.	Driller	Year drilled	Type of well	Hole diam. (in.)	Surface elev. (ft.)	Well depth (ft.)	Water depth (ft.)	Aquifer depth (ft.)	Yield or test rate (gpm)	Test results Drawdown or recovery (ft.)	Time (min.)	Use	Quality	Aquifer	Lithologic log, chemical analysis, and remarks
																		grey rock, 109-135 ss, 135-150 sd & sh, 150-155 coal, 155-170 red sh, 170-172 black limestone, 172-173 ss
15	21	4	16		1931	Dr	6	3330	747	280		G			S	S	Bear Paw sh	0-50 cl, 50-? brown sh, 244-246 coal seam, 500 gas, 500-600 sandy sh, 600-690 sh, 690-700 Milk River ss; water salty (GSC-I)
NE	23	4	16		1905	Dr	6	3260	300	140		G			D, S	S, So	Belly River ss Pakowki	168 br (GSC-I)
SE	25	4	16		1915	Dr	6	3192	154	114		G			D, S	H, A, Ir		(GSC-I)
NE	26	4	16		1930	Dr	6	3208	580	150		VG			S	S, Magnesia	Milk River ss	0-15 boulders, 15-235 sh, 235-400 ss, 400-580?; water salty (GSC-I)
NE	26	4	16	W. Maughan	1957	Dr	5, 3 1/8		673	170	565-573	6	220		D, S	S		0-75 yellow cl, very bad boulders, 75-300 sh, 300-565 sh, 565-567 rock, 567-673 sandy Milk River ss
SW	27	4	16		1935	Dr	6	3295	240			G			S	S, So	Bear Paw sh	(GSC-I)
SW	28	4	16	R. P. Medhurst		Dr	4, 2c		865	180	800-840	P			S		Sd	
SW	29	4	16		1915	Dr	6	3351	320	150		<1			S	S, salty	Belly River ss	50 br (GSC-I)
NE	31	4	16		1929	Dr	6	3271	270	120		6.3			D, S	S, So	Bear Paw, Belly River	268-270 coal; 48°F (GSC-I)
NW	36	4	16		1930	D	48 x 60	3168	20	14		G			S	H	Glacial sd	0-4 topsoil, 4-20 cl & sd (GSC-I)
NW	1	4	17		1912	Dr	6	3339	184	60		G			S	H, A	Belly River ss	Laxative effect from water (GSC-I)
NW	2	4	17		1922	Dr	6	3335	156	135		G			S	S, Su	Belly River ss	0-12 cl, 12-30 ss, 30-? sh, 154-156 ss; gas at 154 ft., 46°F (GSC-I)
NE	3	4	17		1908	Dr	6	3340	160	63		G			D, S	S, Su	Belly River sh	155-160 ss; 46°F (GSC-I)
SE	4	4	17			D	36s	3386	25	22		P			D, S	H	Glacial sd	Bottomed in sd (GSC-I)
NE	5	4	17		1908	Dr	6	3383	533			G					Lower Belly River sh	0-47 cl, 47-73 sh, 73-95 ss, 95-128 sh with bentonite, 128-136 hard ss, 136-209 sh slate, 209-225 black sh, 225-228 brown sh, 228-287 blue sh, 287-318 brown sh, 318-319 hard rock, 319-328 brown sh, 328-332 coal, 332-336 brown sh, 336-352 gypsum, 352-404 ss, 404-439 sh, 439-451 ss, 451-468 hard slate, 468-484 sh, 484-512 hard grey ss, 512-533 sh (GSC-I)
NE	8	4	17		1908	D	48	3355	16	12		G			D, S	H, A	Glacial cl	0-12 gr & cl, 12-16 cl (GSC-I)
SE	9	4	17		1917	Dr	6	3327	80	10					D, S	MH	Glacial till	0-80 gr lenses & cl, 80 rock (GSC-I)
NW	9	4	17		1914	D	48	3348	22	20	22	G			D, S	H	Glacial gr	0-22 cl & gr (GSC-I)
SE	10	4	17		1933	Dr	6	3320	208	118		G			D	S, So, Su	Pakowki sh	0-12 cl, 12-27 ss, 27-30 sd, 30-100 sh, 100-102 ss, 102-112 sh & gas, 112-132 sh, 132-190 sh, 190-228 ss (GSC-I)
NE	10	4	17			Dr	6		180	75	150	39.3			D, S	S, So		0-150 cl, 150-180 ss, rock
NE	10	4	17		1908	Dr		3316	140	71		G			D, S	S, So, Su	Belly River sh	0-25 cl & boulders, 25-27 sh, 27-140 sh with layers of ss; 46°F (GSC-I)

NE	10	4	17	1909	Dr	6	3338	192	90		G		H,I	Belly River quicksand	0-30 cl & boulders, 30-160 cl, 160-175 sh, 175-192 sand (GSC-I)
	10	4	17	1911	D	42s		40	30		G	D,S	H	Glacial cl	0-1.7 topsoil, 1.7-40 cl (GSC-I)
NW	12	4	17	1909	Dr	6	3328	80	65		G	D,S	S,So	Belly River ss	0-20 boulders, 20-? ss, ?-75 sh, 75-80 ss (GSC-I)
SW	12	4	17	1917	Dr	6	3333	180	40		G	S	H,A	Belly River ss	12 br (GSC-I)
SE	13	4	17	1911?	Dr		3322	215	160			N	S,A, So	Belly River ss	0-20 cl & boulders, 20-215 ss, sh & ss (GSC-I)
SE	18	4	17	1912	Dr	6c	3374	50	10		G	D,S	H,A	Belly River ss	0-1.7 topsoil, 1.7-50 blue & yellow cl, 50 br; laxative effect from water (GSC-I)
NE	18	4	17	1935	D	48s	3339	16	13		G	D,S	H	Glacial cl	0-16 cl (GSC-I)
NE	19	4	17	1935	D	36s	3118	25	22		G	D,S	H	Recent alluvial sd	0-1 topsoil, 1-25 sd (GSC-I)
NW	20	4	17		D	42s	3120	25	22		G	D,S	H	Recent alluvial sd	Bottomed in quicksand (GSC-I)
NE	21	4	17	1902	D	10s	3214	20	12		G	S	H,A	Recent alluvial blue cl	0-.7 soil, .7-20 blue cl (GSC-I)
SW	23	4	17	1909	Dr	6	3320	130			G	S	H,A	Belly River	Laxative effect from water (GSC-I)
SW	24	4	17	1930	Dr	6	3302	140	30		G	D,S	S,So	Belly River ss	20 br? (GSC-I)
NE	28	4	17		D		3325	12	9			D,S	H	Recent alluvium	(GSC-I)
NW	29	4	17	1911	D		3100	16	12			D,S	H	Recent alluvial sd	Bottomed in quicksand (GSC-I)
SE	34	4	17	1912	D	36c	3163	12	10		P	S	H,A	Recent alluvial soil & sd	0-12 cl & sd (GSC-I)
SE	8	4	18		D	72s	3800	3	0		G	D,S	H		(GSC-I)
NW	11	4	18	1934	Dr			150	8	145	G	N	S,So	Belly River ss	0-145 gr & till, 145-150 ss (GSC-I)
SE	16	4	18	1929	D			12	10		G	D,S	H	Glacial till	Bottomed in cl (GSC-I)
14	21	4	18		Dr		3415	4157		760-770			Su	Milk River	0-585?, 585-970 Milk River, 970-2740 Colorado, 2740-3340 Blairmore Kootenay, 3340-3428 Ellis, 3428-3468 Sulphur?; water also at 3290-3320 and 3400 (GSC-I)
SE	24	4	18	1930	D	36s	3318	12	6		G	D,S	H,A	Glacial sd	0-6 topsoil & cl, 6-12 cl, bottomed in sd (GSC-I)
NE	28	4	18	1930	D	48s	3325	12	9		G	D,S	H	Recent soil & gr	0-9?, 9-12 quicksand (GSC-I)
SW	31	4	18	1927	B	8	3314	13	10		G	D,S	H	Recent quicksand	0-3 topsoil, 3-13 sd & gr, bottomed in quicksand (GSC-I)
NE	31	4	18	1931	D	42 x 30	3308	12	8		G	D,S	H	Recent sd	0-8 gr, 8-12 quicksand (GSC-I)
SE	34	4	18	1933	D	96s	3292	8	3		2.2	D,S	H	Recent sd	0-3 topsoil, 3-8 sd & quicksand (GSC-I)
	34	4	18		Dr		3346								Resistivity log shows ss permeability from approximately 750-860 with an indication of salt water.
NW	35	4	18	1910	Dr	6	3332	60	48			S	H,A	Glacial cl & gr lenses	(GSC-I)
	9	4	19		Dr			4127							Resistivity log shows Upper Milk River from approximately 1400-1600 and Lower Milk River from approximately 1600-1750.
NW	18	4	19	1919	D	48s	3850	18	15		P	D	H,A	Glacial soil	44°F (GSC-I)

Water-Well Records, West of the Fourth Meridian (Cont'd.)

Location West of 4th Mer. Lsd or 1/4	Sec.	Tp.	R.	Driller	Year drilled	Type of well	Hole diam. (in.)	Surface elev. (ft.)	Well depth (ft.)	Water depth (ft.)	Aquifer depth (ft.)	Yield or test rate (gpm)	Test results Drawdown or recovery (ft.)	Time (min.)	Use	Quality	Aquifer	Lithologic log, chemical analysis, and remarks
	18	4	19			Dr		4012	120	F								Flowing shot hole
SW	19	4	19		1931	D	42s	3850	24	12		G			D	H	Glacial soil	45°F (GSC-I)
SW	31	4	19		1930	D	42s	3449	12	0		G			D, S	H, A	Belly River sh	0-10 sh (GSC-I)
NE	36	4	19		1926	D	60s	3305	12	0		8-9			D, S	H, I	Recent alluvial sd & soil	(GSC-I)
NW	4	4	20			D	48s	4250	35	30		P			D, S	H	Glacial soil	(GSC-I)
NE	9	4	20			S		4098				G			D, S	H	Glacial	(GSC-I)
SW	16	4	20			S		4053				G			D, S	H	Glacial till	(GSC-I)
SE	18	4	20		1919	D		3868	20	10		P			D, S	H	Glacial sd	46°F (GSC-I)
SW	25	4	20		1929	D	48	3628	18	0		G			D, S	S	Glacial sd	45°F (GSC-I)
SE	28	4	20		1923	Dr	6	3751	137	20		<1			D, S	S	Glacial quicksand	(GSC-I)
NE	29	4	20			S		3676				.9			D, S	H		46°F (GSC-I)
4	30	4	20	W. Maughan	1964	Dr	6		149	47	147-149	15	90		D	H	Sd & gr	0-147 cl, 147-149 sd & gr
NE	31	4	20			S		3617							D, S	H	Glacial	Water has a bitter taste and is laxative, 44°F (GSC-I)
SE	32	4	20			S		3678				P			D, S	H	Glacial	(GSC-I)
NE	34	4	20		1934	Dr	6	3564	151	90		7			D, S	S, So	Glacial soil	90-151 ss; water is laxative (GSC-I)
SE	36	4	20		1908	D	48s	3442	20	14		P			S	H	Belly River ss	19-20 ss; 45°F (GSC-I)
NE	8	4	21			Dr			325								Glacial	Gas at 325 ft. with a pressure of 14 pounds (GSC-I)
NE	18	4	21		1933	Dr	4	3702	175	40	105	P			D, S	S	Glacial gr	(GSC-I)
NE	25	4	21		1909	D	48s	3949	20	4		1.1			S	H	Glacial gr	(GSC-I)
SE	26	4	21		1901	D	36s	3888	60	50		P			D, S	H	Glacial sd	(GSC-I)
SW	28	4	21					3898				P			D, S			43°F (GSC-I)
NW	31	4	21		1920	Dr	6	3596	115	30					D		Glacial gr	(GSC-I)
SE	31	4	21		1919	Dr	6	3740	120	30		G			D, S	S, So	Glacial gr	(GSC-I)
NE	31	4	21		1913	D	48s	3732	60	20		P				H	Glacial gr	(GSC-I)
NW	32	4	21		1914	Dr	6	3666	110	40		G			D, S, Ir	H	Glacial sd & gr	(GSC-I)
SE	35	4	21		1911	Dr	6	3772	190	32	54	P			N	H	Glacial quicksand	43°F (GSC-I)
NE	36	4	21			S		3700				.5			D, S	H	Glacial gr	(GSC-I)
SW	14	4	22		1919	Dr	6	3573	150	130		G			D, S	H	Glacial gr	(GSC-I)
SE	19	4	22		1921	Dr	6	3564	300	F	300				D, S	H	Blood Reserve ss	10 br (GSC-I)
16	24	4	22	Skyline	1958	Dr	5 1/2		100	55 & 50	75-100	6	15 -15	120 10	S	MH	Gr	0-30 cl, 30-33 gr, 33-75 cl, 75-81 gr, 81-100 sh
NW	25	4	22			Dr	6	3521	158	F		G			D, S	H	Glacial quicksand	(GSC-I)
SE	26	4	22		1913	Dr	4c		170		136, 169	P			D, S	S		0-136 sd, 136-169?, 169-170 sd & gr (GSC-I)
NE	27	4	22		1911	Dr	6	3521	175	160		G			D, S	H	Glacial quicksand	(GSC-I)

NE	34	4	22		1908	Dr	6	3370	90	50		G			D, S	S	Glacial gr	(GSC-I)
SE	2	4	23			Dr				58								Sodium 202, calcium 67, magnesium 43, chlorides 14, sulfates 300, bicarbonates 551 (GSC-I)
SE	7	4	23					3892							D, S	H	Glacial sd	(GSC-I)
SE	11	4	23		1928	D	48s	3886	16	15		<1			D, S	H	Glacial cl	(GSC-I)
SW	12	4	23					3812				G			D, S	H	Glacial sd	(GSC-I)
NE	12	4	23		1931	D		3809	12			G			D, S	H		(GSC-I)
NW	14	4	23		1930	D	36s	3700?	90	50	90				S	H	Glacial cl	Bitter tasting (GSC-I)
NW	15	4	23			Dr		3750	6180		90, 479-500							0-90 dr, 90-350 St. Mary, 350-500 Fox Hills, 500-1190 Bear Paw, 1190-3120 Belly River, 3120-4967 Colorado, 4967-5965 Blairmore, 5965-6180 Limestone (GSC-I)
NW	16	4	23		1912	Dr			180	+6	179				D	S	Sd & gr	179-180 sd & gr (GSC-I)
NW	21	4	23		1918	Dr	6		190		187						Sd & gr	187-190 sd & gr (GSC-I)
SW	26	4	23		1921	Dr	6	3569	128	115		P			S	H, A	Glacial cl	(GSC-I)
SW	29	4	23		1915	Dr	6		180	10	50, 183				P	H	Sd	183 sd (GSC-I)
NW	3	4	24			Dr			206			G				H		120-206 quicksand
NW	4	4	24									P						
SW	6	4	24			Dr			280	D								
NW	7	4	24			Dr			280			P						
NW	8	4	24			S						G						
NW	9	4	24						15			P				A		
NW	9	4	24			S						G						Clear water with a sulphur odor
	9	4	24	G. Leismeister	1963	Dr	4c		130	50		4	60 -60	240 30		S		0-33 brown cl, 33-40 brown sd, 40-70 blue cl, 70-130 sh & ss; water was originally at 19 ft., but is now at 50 ft.
SE	10	4	24			Dr			280			G				H		
SW	14	4	24			D			20			G						(RCA-G)
SE	14	4	24			D			20			G						(RCA-G)
NE	15	4	24			Dr			400			P						(RCA-G)
SE	15	4	24			Dr			190			P						(RCA-G)
NE	20	4	24			Dr			300			G						(RCA-G)
SW	21	4	24			Dr			180									Good water
NW	23	4	24			Dr			124			G						
15	24	4	24	G. Hepburn		Dr	4 1/2		334	46	265-315	8	21 -21	180 5		H		0-93 cl & gr, 93-118 boulders, 118-124 cl, 124-265 sh, 265-316 sh & water bearing ss, 316-334 sh
NW	33	4	24			Dr			246			<1						(RCA-G)
SW	1	4	25			Dr			170			P						(RCA-G)
SE	1	4	25			D			20									(RCA-G)
NW	2	4	25			S						G						
14	36	4	25	C. Anderson	1961	Dr	4 1/2		92	10	86-87	3		120			Sh	0-30 cl, 30-35 ss, 35-92 sh
3	3	4	26	W. Kinsella		Dr	5c		255	20	243-249	20	80 -80	10 15			Gr & sh	0-88 sd, cl, gr & boulders, 88-112 red sh, 112-190 sh, 190-243 red sh, 243-249 gr & sh, 249-255 red sh
13	19	4	27	Sedco	1964	R	5 5/8		40	11.5					O, St			0-40 light grey till, silty, a few pebbles; hole #5 (RCA-G)*
13	19	4	27	Sedco	1964	R	5 5/8		199	86.5					O, St			0-90 till, 90-110 pebbly or gravelly till, 110-123 gr with minor till, 123-135 till & gr, 135-199 Saskatchewan gr, 199 + sh; open interval of well screen placed between 197 ft. and 198 ft., piezometer installed for shallow water table measurement, E log available, hole #5P (RCA-G)*

Water-Well Records, West of the Fourth Meridian (Cont'd.)

Location West of 4th Mer. Lsd or 1/4	Sec.	Tp.	R.	Driller	Year drilled	Type of well	Hole diam. (in.)	Surface elev. (ft.)	Well depth (ft.)	Water depth (ft.)	Aquifer depth (ft.)	Test results: Yield or test rate (gpm)	Drawdown or recovery (ft.)	Time (min.)	Use	Quality	Aquifer	Lithologic log, chemical analysis, and remarks
16	30	4	27	Sedco	1964	R	5 5/8		40	13					O, St			0-10 light grey cl, 10-40 light grey to pale brown silty till; hole #4 (RCA-G)*
16	30	4	27	Sedco	1964	R	5 5/8		191	37.5					O, St			0-90 till, 90-150 pebbly to gravelly till, 150-191 Saskatchewan gr; open interval of well point placed between 189 ft. and 190 ft., piezometer installed for shallow water table measurement, E log available, hole #4P (RCA-G)*
9	23	4	28	Sedco	1964	R	5 5/8		41	10.5					O, St			0-10 till, a few pebbles, 10-35 light brownish grey till; hole #1 (RCA-G)*
9	23	4	28	Sedco	1964	R	5 5/8		200	131.5					O, St			0-40 till, 40-116 gravelly till, 116-200 Saskatchewan gr, 200 + sh; open interval of well point between 198 ft. and 199 ft., with a piezometer installed for shallow water table measurements, E log available, hole #1P (RCA-G)*
16	25	4	28	Sedco	1964	R	5 5/8		40	5					O, St			0-10 pale yellow to light grey cl, 10-40 light grey silty till; hole #3 (RCA-G)*
16	25	4	28	Sedco	1964	R	5 5/8		176	61.5					O, St			0-90 till, 90-105 pebbly till, 105-130 till & gr, 130-170 Saskatchewan gr, 170-176 sh; open interval of well point between 168 ft. and 169 ft., with a piezometer installed for shallow water table measurement, E log available, hole #3P (RCA-G)*
9	26	4	28	Sedco	1964	R	5 5/8		40	10.5					O, St			0-10 light brownish grey till, 10-15 light brownish grey till (silt?), 15-25 light brownish grey silty till, 25-30 light brownish grey till (silt?), 30-40 light brownish grey silty till; hole #2 (RCA-G)*
9	26	4	28	Sedco	1964	R	5 5/8		136	105.7					O, St			0-95 till, 95-120 Saskatchewan gr, 120-136 grey sh; open interval of well point between 117 ft. and 118 ft., with a piezometer installed for shallow water table measurement, E log available, hole #2P (RCA-G)*
SE	26	4	28		1954	R			108.5						O, St			0-5 topsoil, 5-13 silty brown cl, 13-31.5 fine brown silty sand, some pebbles, 31.5-84 sandy, silty, grey-blue cl, with pebbles, 84-104 brown cl, with pebbles, and traces of oxide, 104-106 fine silty brown sd, with a cl binder, 106-108 fine silty brown sd, 108-108.5 soft & waxy, silty, grey brown sh; this hole was back filled later, Waterton dam hole #3 (PFRA)*
NW	30	4	29	W. Maughan		Dr	5 1/2		155	32	121-123	.3	89	180	I		Ss	0-28 blue & yellow cl, 28-121 dark black sh, 121-123 dark ss, 123-155 dark black sh
SE	15	5	1			D	36s		10	9		G			D, S	H	Recent alluvial sd	This well is a seepage well, near a reservoir which determines the level of water in the well.(GSC-I)
SW	33	5	1			D	36s		6	3					D, S	S	Recent alluvial gr	(GSC-I)
SW	33	5	1		1912	D	42c		12	3	4				D	H	Gr	4-12 gr (GSC-I)

SW	35	5	1		1917	Dr	6c		31	F	26	12			D	H	Gr	26-31 gr (GSC-I)
SW	22	5	2			S		3420				G			D,S	H	Sd	Water seems to come out of blue gumbo with sd in it. Water analysis shows it fit for consumption.(GSC-I)
	1	5	3	Foremost	1953	Dr	2		1098	0		G			D,S	S	Lower Milk River ss	(GSC-I)
SE	15	5	4			D	48s		7	5.5		G			D	H	Glacial dr	(GSC-I)
SE	15	5	4			D	48s		15	7		G			S	H	Glacial dr	(GSC-I)
SW	4	5	5			D	48s	4170	20	19	20	P			D	S	Glacial dr	Hauls water for drinking and for stock too (GSC-I)
SW	4	5	5			D	48s		40	19	20	P			S	S	Recent alluvial (stream deposits)	(GSC-I)
SW	6	5	5		1911	D			55	47	50				D,S	H,A	Cl	50-55 cl (GSC-I)
SW	13	5	5	R.O.Parsons	1963	Dr	6 5/8, 5c		116	89	98-103	3.3					Ss	0-10 brown cl & boulders, 10-27 gr, 27-42 brown cl & gr, 42-49 blue cl, 49-73 brown cl, 73-96 soft blue cl, 96-103 hard ss, 103-107 soft grey cl, 107-111 hard ss, 111-116 grey sh
SW	19	5	5		1911	D	48c		42	36	39		6	30	D,S	H	Sandy silt	39-42 sandy silt (GSC-I)
NW	19	5	5			D	36s		50	31		G			D	MH	Pale Beds	0-6 black gumbo, 6-16 sd, 16-50 soapstone (GSC-I)
SW	19	5	5			D	36s	4200	58	55		G			D,S	H	Glacial dr	(GSC-I)
NW	21	5	5		1914	D			18	14	16				D,S	S	Sd	0-18 sd (GSC-I)
NW	25	5	5		1911	D			30	28	28				D,S	S	Cl	0-30 cl (GSC-I)
NE	28	5	5		1912				20	18	20		2	30	D	H,A	Sd	0-18 cl, 18-20 sd (GSC-I)
NW	31	5	5			D	48s		18	16		G			D	H	Glacial dr	Stock uses water in coulee (GSC-I)
SW	32	5	5			B			39	24					D	H	Glacial dr	Has another well 7 ft. deep with 5 ft. of water coming from Recent alluvial stream deposits used for stock.(GSC-I)
SW	36	5	5		1918				75	65	52,75				D,S	S	Cl	0-25 cl, 25-55 sh, 55-75 blue cl (GSC-I)
NE	3		6			D	48c		8	4	5				D,S	H,A	Glacial gr	0-2 white sd, 2-8 gr; has another well 50 ft. deep in blue cl which is not used (GSC-I)
NE	5	5	6						100			G			N	H	Glacial sd	
SW	6	5	6		1913	D			30	20	30	6.6			S	A	Cl	0-30 cl (GSC-I)
NW	7	5	6			D	48s		50		25				S		Sd	25-50 sd (GSC-I)
NW	7	5	6			D			11	3		G			S	H,A	Glacial dr (sd)	
NE	13	5	6	Renbar	1961	Dr	5 3/8		100	47	78-79	10	12	360	D		Sd	0-10 soil, 10-60 dark brown cl & boulders, 60-78 brown cl, 78-97 grey medium sd, 97-100 cl
NW	14	5	6		1916	D			65	40	63				D,S	S	Sd & gr	0-63 blue cl, 63-65 sd & gr (GSC-I)
SW	15	5	6		1934	D	48s	2990	52						N	H	Pale Beds	0-30 yellow cl, 30-31 hard brown ss, 31-52 white cl, bottomed in rock (GSC-I)
NE	15	5	6			Dr			90						D,S	S	Pale Beds?	(GSC-I)
	15	5	6			Dr		2987										Resistivity log shows indication of permeability from approx. 890-970 and from approx. 1060-1080, with sh between these two zones.
NE	16	5	6		1910	D			48	41	42		1	60	D,S	H,I	Sd	0-40 hard blue cl, 40-48 sd (GSC-I)
NE	18	5	6			D	48		38	D							Glacial cl	(GSC-I)
SW	18	5	6			D			10	2		G			D,S	H	Glacial sd	(GSC-I)
SE	19	5	6			Dr	6		105	75		G			S	H,A	Glacial cl	(GSC-I)
NW	20	5	6			D	48s	2990	52	46		P			D,S	S,So	Pale Beds	0-38 yellow cl, 38-39.5 ss, 39.5-52 soft sh; hole was dug 48s and then 42s, five other wells in same area (GSC-I)
NE	20	5	6			Dr	6		78			VG			D,S	S	Pale Beds	(GSC-I)

Water-Well Records, West of the Fourth Meridian (Cont'd.)

Location West of 4th Mer. Lsd or 1/4	Sec.	Tp.	R.	Driller	Year drilled	Type of well	Hole diam. (in.)	Surface elev. (ft.)	Well depth (ft.)	Water depth (ft.)	Aquifer depth (ft.)	Yield or test rate (gpm)	Test results Drawdown or recovery (ft.)	Time (min.)	Use	Quality	Aquifer	Lithologic log, chemical analysis, and remarks
SE	21	5	6		1917	Dr	5 3/4c		96	65	60, 90				D, S	S		0-60 blue cl, 60-90 rock, 90-96 gr & sd
SW	23	5	6		1919	D			29	24	27				D, S	S		0-3 loam, 3-29 cl
SE	23	5	6		1956	Dr	5 1/2, 3c		1150			G			D	S	Lower Milk River ss	
NE	24	5	6		1917	D	48s		63	56	63	<1			D	S, So		54 sh, 63 sh
NE	24	5	6		1917	D	48s		65	55	57				D	S, So		47 sh, 57-65 sh; only a seepage well and can be easily pumped dry.
SE	24	5	6		1921	D		3010	50	24?	10	17.4			I	S, So	Pale Beds (sd)	CPR well (GSC-I)
NW	24	5	6			D		3040	84	50		G			D	H	Pale Beds (sd)	(GSC-I)
NE	24	5	6			D		3040	94	60					D	S, So	Pale Beds	(GSC-I)
SE	24	5	6			Dr	10c		250	38		12			I	S	Pale Beds	(GSC-I)
NE	24	5	6			D?			105	57		<1			S	S	Pale Beds (ss)	(GSC-I)
	24	5	6			Dr	10c		100	6		35			I	S	Pale Beds (sd)	(GSC-I)
	28	5	6			D			12	0					D, S	S	Glacial sandy cl	Complimented with another well, this well is enough for a good supply.(GSC-I)
SE	28	5	6		1915	D			12	8	12	P			D, S	S	Loam	0-12 loam (GSC-I)
SW	30	5	6		1911	D			54	46	30, 50				D, S	S		0-6 black loam, 6-50 red sd, 50-54 white sd (GSC-I)
SW	31	5	6		1918	D			20	11	15				D, S	S	Sd	0-15 sandy loam, 15-20 sd (GSC-I)
NE	31	5	6		1915	D			52	10		P			D, S	H	Pale Beds (sd)	16-32 sd (GSC-I)
NW	31	5	6	Midland	1947	Dr	2c		1000			G			D, S	S	Lower Milk River ss	(GSC-I)
SW	1	5	7			D		2830	15	8					D	H, A	Glacial quicksand	(GSC-I)
SW	1	5	7	Midland	1948	Dr	3c		830	F		G			S	S	Lower Milk River ss	(GSC-I)
SW	2	5	7			Dr		2833	660	F	640	G					Lower Milk River ss	Well 20 ft. into aquifer, some gas encountered (GSC-I)
	2	5	7	Midland	1949	Dr	2c		800			G			D	S	Lower Milk River ss	(GSC-I)
SW	3	5	7			Dr		2822	645		645	G					Lower Milk River	Well is about 26 ft. into aquifer, some gas encountered (GSC-I)
SW	3	5	7		1935	Dr	3,2	2822	650	+20		G			D, S	S, So	Milk River ss	0-150 cl, 150-620 sh, 620-650 ss (GSC-I)
SW	3	5	7	Midland	1949	Dr	2c		740	F		G			D	S	Lower Milk River ss	(GSC-I)
NW	3	5	7			Dr		2820	650	F	650	G					Lower Milk River ss	Some gas encountered (GSC-I)
SE	4	5	7			Dr		2880	730	+20		19.5			D, S	S, So	Lower Milk River ss	Gas from well used in house (GSC-I)

NE	4	5	7			Dr		2814	638		615	G			Lower Milk River ss	Some gas encountered (GSC-I)
	5	5	7	Midland	1947	Dr	2		673	F		G	S	S	Lower Milk River ss	(GSC-I)
SE	9	5	7		1935	Dr		2815	638	+3	618	G	D, S, Ir	S, So	Milk River ss	0-150 cl, 150-600 sh, 600-638 ss; continuous small flow (GSC-I)
NE	9	5	7		1929	Dr	2	2820	650	+20	620	G	D, S, Ir	S	Milk River ss	0-150 cl, 150-620 sh, 620-650 ss (GSC-I)
NE	10	5	7	Midland	1948	Dr	2		810	F		G	D	S	Lower Milk River ss	(GSC-I)
SE	11	5	7			Dr		2835	714		714				Lower Milk River ss	Some gas with water (GSC-I)
SW	11	5	7			D	48s		18		14		D, S	H	Sd	0-14 sd & gr, 14-18 sd & cl (GSC-I)
NW	11	5	7		1911	D	48s		15		12		D, S			0-15 sd & cl (GSC-I)
	11	5	7	Midland	1950	Dr	2c		914			G	D, S	S	Lower Milk River ss	(GSC-I)
SE	12	5	7			D	48s	2860	12	6			S	H, A	Glacial sd	0-7 cl, 7-12 sd; hauls drinking water (GSC-I)
NW	12	5	7			D			15	12		G	D, S	H		(GSC-I)
	12	5	7	Midland	1950	Dr	2		890				D, S	S	Lower Milk River ss	
SE	14	5	7		1928	Dr	3,2c	2861	730	+20	730	12.5	D, S	S, So	Lower Milk River ss	0-175 yellow cl, 175-720 sh, 720-730 ss; some gas in well used for house (GSC-I)
SW	14	5	7			D	48s		8		6		S	H	Sd & cl	0-8 sd & cl?
	14	5	7	Midland		Dr	2		970	F		G	D, S	S	Lower Milk River ss	?
SE	15	5	7			D	48s		12		10		D, S	H	Sd	10-12 sd?
SE	15	5	7			B		2915	30		26	G	S	H, A, I		(GSC-I)
NE	24	5	7			D	48s	2865	40	38		G	D, S	H	Foremost (sandy sh)	0-12 sandy loam, 12-14 ironstone?, 14-40 blue cl, 40 + sandy sh (GSC-I)
SW	27	5	7			D	48s	2870	20	15	18		N	H, A	Glacial sd	0-18 yellow cl, 18-20 sd; has another similar well, both of these wells were unfit for use and are filled in now (GSC-I)
NE	31	5	7			D	48s	2850	15	12	15		D	H, A	Glacial sd	0-15 sd; level lowers in the fall (GSC-I)
SE	34	5	7			D	48s	2880	20	19			D, S	H, A	Glacial quicksand	0-17.5 yellow cl, 17.5-20 quicksand; has another seepage well 8 ft. deep used for stock (GSC-I)
NE	35	5	7		1916	Dr		2890	100	20	75		D, S	S	Foremost (sandy sh)	0-10 loam, 10-75 yellowish brown sh & blue sh in beds, 75-100 sandy sh (GSC-I)
SE	35	5	7		1915	D			12	9	12		D	H	Sd	0-12 sd (GSC-I)
NW	35	5	7	Midland	1949	Dr	3,2c		960	F		G	D, S	S	Lower Milk River ss	(GSC-I)
NW	36	5	7		1933	D	48s	2880	13	9			S	H, A	Glacial cl	Water from well has a laxative effect, so drinking water is hauled.(GSC-I)
NW	36	5	7	Midland	1948	Dr	3,2c		830	F		G	D, S	S	Lower Milk River ss	(GSC-I)
N 1/2	10	5	8		1922	Dr	20 to 6	2845			149-150 287, 542, 595, 611, 735	G	D, S	S, So	Milk River ss	0-40 dr, 40-280 Foremost, 280-540 Pakowki, 540-740 Milk River, 740-2470 Colorado, 2470-2845 Blairmore; small amount of gas, bottom of well filled in, with the present supply of water from approx. 600 ft. (GSC-I)
SE	21	5	8			D	48s	2850	4	2.5		G	D, S	H	Recent alluvium	0-4 sd (GSC-I)

Water-Well Records, West of the Fourth Meridian (Cont'd.)

Location West of 4th Mer. Lsd or 1/4	Sec.	Tp.	R.	Driller	Year drilled	Type of well	Hole diam. (in.)	Surface elev. (ft.)	Well depth (ft.)	Water depth (ft.)	Aquifer depth (ft.)	Yield or test rate (gpm)	Test results Drawdown or recovery (ft.)	Time (min.)	Use	Quality	Aquifer	Lithologic log, chemical analysis, and remarks
NW	21	5	8	Grande and Anderson	1947	Dr	3,2c	2838	668	F	645	27			D,S	S	Milk River sd	300 ft. from old lake bottom (GSC-I)
SE	31	5	8			D	48s	2885	9	6		G			D,S	H	Glacial sd & gr	(GSC-I)
SW	31	5	8			D	48s	2875	10	6		G			D,S	H	Glacial sd (outwash)	(GSC-I)
SE	33	5	8			D	48s	2840	10	5		G			D,S	H,I	Recent alluvial sd	(GSC-I)
SE	33	5	8	Foremost		Dr	2		831	F		G			S	S	Milk River ss	(GSC-I)
NW	35	5	8	Midland		Dr	2c		750	F		G			S	S	Lower Milk River ss	
SE	1	5	9			Dr	2c		700			G			D,S	S,So	Milk River ss	(GSC-I)
SW	6	5	9			D	48s		15	12		G			D,S	H	Glacial gr (outwash)	(GSC-I)
NE	9	5	9			Dr		2925	700	F		G			D,S	S,So	Milk River ss	(GSC-I)
SE	10	5	9		1934	Dr	2c		712	40		12			D,S	S,So	Milk River ss	0-180 dr & Belly River, 180-670 Pakowki, 670-712 Milk River (GSC-I)
SE	10	5	9	Midland	1951	Dr	3,2c		840			G			D	S	Lower Milk River ss	(GSC-I)
NW	12	5	9			D	48s		15	12		G			D,S	H	Glacial sd (outwash)	(GSC-I)
NW	12	5	9	Midland	1950	Dr	3,2c		840	F		G			D,S	S	Lower Milk River ss	(GSC-I)
SE	15	5	9		1917	B	24	2915	30	24	30	G			S	H,A	Foremost	(GSC-I)
SW	15	5	9		1910	Dr	6	2920	90	60	90	G			S	H,A	Foremost	Has never been pumped dry (GSC-I)
NW	20	5	9		1915	B	24		30	25		G			D,S	H	Pakowki?	(GSC-I)
NW	33	5	9		1924	Dr	2c	2845	652		652	17-15			D,S	S,So	Milk River	(GSC-I)
SW	34	5	9		1918	Dr	2c	2825	700	100	700	10			D,S	S,So	Milk River	Bottomed in ss (GSC-I)
NW	35	5	9		1928	Dr	2c	2880	652		652	17					Lower Milk River ss	(GSC-I)
	36	5	9		1943	Dr			744	20	660	11						Information from Alberta Petroleum Book - 1943
NE	2	5	10		1934	D	48s		12	4	12				D,S	S,So	Glacial sd	Bottomed in sd; level lowers when slough nearby goes dry in fall (GSC-I)
	4	5	10			Dr												Resistivity log shows good Milk River sd extending from approx. 680-800.
SE	12	5	10		1913	D	48s		12			G			D,S	H,I	Glacial sd	Bottomed in sd (GSC-I)
NW	12	5	10		1918	Dr	2c		800	50					D,S	S,So	Milk River	Used to flow but now has to be pumped (GSC-I)
SW	13	5	10			B	24		40	20		G			D,S	H,A,I	Belly River	Bottomed in sd (GSC-I)
SW	16	5	10			Dr	6		150	80		G			S	H,A,I	Pakowki	(GSC-I)
SE	17	5	10			Dr	6		125	85		G			S	H,A,I	Pakowki	(GSC-I)
SE	23	5	10		1914	D	48s	2975	16	10	16	P			D,S	H	Glacial gr (modified dr)	Bottomed in gr (GSC-I)

SE	28	5	10		1916	Dr	6		125	95	125	G	S	H, A, I	Pakowki (sd)	Bottomed in sd; hauls water (GSC-I)
NW	28	5	10		1912	Dr	6		130	80	130	G	S	H, A, I	Pakowki (sd)	Bottomed in sd (GSC-I)
NW	29	5	10		1923	Dr		3000	2215		71-80, 110-114, 320-335, 340-360, 695-755, 2164-2177				Milk River ss	0-69 dr, 69-440 Foremost, 440-660 Pakowki, 660-820 Milk River, 820-2215 Colorado (GSC-I)
SW	31	5	10		1915	Dr	18c	2880	3716	F	543, 685, 1940, 2250, 2910,	11.1			Milk River	0-130 topsoil, 130-250 Foremost, 250-515 Pakowki, 515-685 Milk River, 685-2000 Colorado, 2000-2015 bentonite, 2015-2461 Colorado, 2461-3210 Dakota-Kootenay, 3210-3620 Palezoic, 3620-3705 greenish-grey sh (GSC-I)
SW	31	5	10		1926	Dr		2930	2061	F	580, 660, 2025				Milk River ss	0-90 dr, 90-570 Pakowki, 570-700 Milk River (GSC-I)
NW	31	5	10	Foremost	1954	Dr	4 1/2, 2c		1005			G	D, S	S	Lower Milk River	(GSC-I)
NW	31	5	10			Dr					540, 600	22.5	P			Town of Foremost well
	31	5	10			Dr			600	F	500	11.1				(GSC-I)
NE	36	5	10	Midland	1951	Dr	2c		700			G	D, S	S	Lower Milk River ss	(GSC-I)
NW	2	5	11		1931	Dr	2c	3020	70	35			S	S, So	Foremost sd	Bottomed in sd (GSC-I)
SE	3	5	11	Foremost	1952	Dr	5,2c		820			G	D	S	Lower Milk River ss	(GSC-I)
NE	3	5	11			B	2c	2930	90	35			S	H, Su	Foremost	90 br, bottomed in quicksand; not suitable for cooking purposes, can be pumped dry during dry seasons (GSC-I)
N 1/2	10	5	11		1913	B	24,3	2990	90	45		G	S	H, A, I	Glacial quicksand	Well was bored 50 ft. and drilled 40 ft. Water has a bad effect on man so water for domestic purposes is hauled.(GSC-I)
NE	16	5	11					2860		F			D, S	S, So	Foremost sd	Two other wells in this area put down by Natural Gas Co. and there are numerous springs in this coulee. (GSC-I)
SW	20	5	11			D	144		5	F						Spring dugout on north side of Etzikom Coulee (GSC-I)
SE	23	5	11	Foremost	1953	Dr	2c		655			G	D, S	S	Lower Milk River ss	(GSC-I)
	28	5	11			Dr		3030								Resistivity log shows permeable zone from approx. 660-750.
SE	30	5	11			D	36 x 48	2940	62						Glacial sd	0-18 yellow cl, 18-28 quicksand, 28-62 blue cl & boulders; well gave a good supply for one year, but went dry as did other wells approx. 35 ft. deep in the same area. (GSC-I)
NE	32	5	11		1910	D	48s	2980	19	15	15		D, S	H	Glacial sd	0-15 cl, 15-19 sd (GSC-I)
NE	32	5	11		1918	Dr	2c	2980	735	20			D, S	S, So, I	Milk River ss	Bottomed in black sd; slight laxative effect (GSC-I)
NE	36	5	11		1923	Dr	14, 10, 8 1/4c	2875	2070	650						0-165 Foremost, 165-515 Pakowki, 515-650 Milk River, 650-2070 Colorado; 1,741,824 cubic ft. of gas at 2015-2019, oil at 2065-2070 (GSC-I)

Water-Well Records, West of the Fourth Meridian (Cont'd.)

Location West of 4th Mer. Lsd or 1/4	Sec.	Tp.	R.	Driller	Year drilled	Type of well	Hole diam. (in.)	Surface elev. (ft.)	Well depth (ft.)	Water depth (ft.)	Aquifer depth (ft.)	Yield or test rate (gpm)	Test results Drawdown or recovery (ft.)	Time (min.)	Use	Quality	Aquifer	Lithologic log, chemical analysis, and remarks
NE	4	5	12		1915	D	48s	3080	35	15		P					Glacial cl	0-35 cl & stones; hauls water from reservoir in coulee (GSC-I)
SW	11	5	12		1915	Dr	6	3090	70	40	70	G			S	H,A	Glacial sd	Bottomed in sd; uses a shallow seepage well by slough for drinking water (GSC-I)
	11	5	12			Dr		3059										Resistivity log shows shale from base of casing at 161-550.
NW	25	5	12			D	72		8			G			S	H	Glacial sd	Water from slough seeps into well.(GSC-I)
NW	36	5	12		1920 & 1934	D			8 & 12	4		G			D,S		Glacial sd	Three wells 8 ft. to 12 ft. deep, with the 8 ft. well used for stock.(GSC-I)
SE	6	5	13			Dr	6	3070	220	65		G			D,S	S	Foremost	(GSC-I)
	6	5	13		1943	Dr			577	F	480	4						Information from Alberta Petroleum Book, 1943 (GSC-I)
SW	7	5	13			D	48s	3085	8	7	7	100			D,S	H	Glacial gr	0-7 sd, 7-8 gr (GSC-I)
	21	5	13			Dr		3046										Resistivity log shows permeable Milk River sand at approx. 620-800.
	30	5	13			Dr	2c	3035	640	72	630	G			D,S	S,So	Milk River ss	(GSC-I)
NW	2	5	14	Foremost	1951	Dr	2c		580			G			S	S	Lower Milk River ss	
SW	8	5	14	Midland	1950	Dr				F		G			D,S	S	Lower Milk River ss	(GSC-I)
NW	11	5	14		1928	Dr	2	2906	3171	F	233, 294, 400, 525, 540						Milk River ss	Cased off to 540 ft., hole abandoned (GSC-I)
NE	14	5	14			S		2955		F		G			S		Glacial sd	Spring runs into a dam.(GSC-I)
	23	5	14			Dr		2977										Resistivity log shows sandstone permeability from approx. 560-725.
SW	27	5	14			Dr	24,3	3015	2920		330, 525, 685						Milk River ss	0-145 sd, gr & cl, 145-295 sd & small pebbles, 295-2164 alternate layers of ss & sh, 2164-2165 layer of hard ss, 2165-2310 sh, 2310-2420 cl & ss, 2420-2920 alternate layers of ss & sh with some bentonite at 2610; oil flow of 6.4 gpm (GSC-I)
S 1/2	27	5	14			Dr		3010										Well shut down indefinitely.(GSC-I)
	27	5	14			Dr		3008	3067	F	685						Milk River ss	0-480?, 480-760 Milk River, 760-2500 Benton, 2500-2994 Dakota (GSC-I)
	27	5	14			Dr		3015		0	695-725	20.8					Milk River ss	0-345 surface, 345-395 Foremost, 395-565 Pakowki, 565-720 Milk River, 720-2350 Colorado, 2350-2550 Blairmore, 2550-2970 Kootenay, 2970-3185 Ellis Limestone; water at 330-335 rose to 50 ft. below ground level, water at 525-565 rose to ground level, water at 2095-2100 rose to 300 ft. below ground level, water also at 2165-2172, 2212-2237 and 3125 (GSC-I)

NW	29	5	14		1930	Dr	18, 13 3/8	3032	3148	5	325, 500, 595, 700			Milk River ss	0-2420 Benton, Blairmore & Kootenay, 2420-3148 Madison; gas at 3107, hole abandoned (GSC-I)
S 1/2	34	5	14		1921	Dr	2c	3000	610	+4		25	D, S	S, So, Su	Milk River ss	Bottomed in ss (GSC-I)
NE	6	5	15		1911	Dr	6	3134	120	62		G	S	S, I	Foremost	0-35 cl & boulders, 35-44 boulders, 44-55 ss, 55-62 sh, 62-78 ss, 78-119 sh, 119-120 ss
SW	8	5	15		1932	Dr	6	3105	105	30	105	3.8	D, S	S, So	Foremost sd	0-14 sandy loam; can be pumped dry, not sufficient during fall (GSC-I)
W 1/2	13	5	15			D	48s	2960	20	14		G	D, S	H	Recent alluvial (sandy loam)	
NE	14	5	15	Midland	1950	Dr	3,2c		773			G	D, S	S	Lower Milk River ss	(GSC-I)
NE	14	5	15	Midland	1950	Dr	2c		510	F		G	D, S	S	Lower Milk River ss	(GSC-I)
SW	16	5	15		1928	Dr	6	3080	283	30	283	G	D, S	S, So	Milk River ss	Bottomed in ss (GSC-I)
	17	5	15						2126							Resistivity log shows thin zones of permeability at approx. 440, 500, 560 with the top of the thick permeable section at approx. 600-700.(GSC-I)
SW	17	5	15		1910	Dr	6	3050	210	30		G	D, S	S, I	Foremost	Water is hard to find 5-6 miles southwest on higher ground. Dams are the best supply in dry years. (GSC-I)
SW	18	5	15		1911	Dr	6	3128	198	96		G	D, S	S, So	Foremost	(GSC-I)
NE	22	5	15		1920	D	48s	3055	10	4		G	S	H, A	Glacial sd	0-10 fine sd (GSC-I)
N 1/2	23	5	15			D	48s	3020	7	4		4.5	D, S	S	Glacial sd	0-7 sd, bottomed in blue cl; supply decreases toward fall, dam at Etzikom Coulee also used (GSC-I)
SW	30	5	15		1931	D		3130	36	35			D	H	Glacial cl	(GSC-I)
SW	2	5	16		1910	Dr	6c	3246	158	80		G	S	S, So	Belly River ss	10 br (GSC-I)
SW	3	5	16		1917	Dr	6c	3208	615	D						600-615 fire cl (prevented a deeper hole) (GSC-I)
SW	6	5	16			Dr	6c	3256	296	120		G	D, S	S	Bearpaw	(GSC-I)
NW	9	5	16		1918	Dr	6c	3173	170	75			D, S	S, So	Belly River ss	(GSC-I)
SE	10	5	16	Foremost	1952	Dr	4,2		728			G	S	S	Milk River ss	(GSC-I)
SE	10	5	16		1911	Dr	6	3185	76	48		G	D, S	S, So	Belly River (Pale Beds)	0-50 boulders in cl, 50-73 sh, 73-76 ss, 35 br? (GSC-I)
SE	12	5	16		1929	D	36c	3129	18	9			D, S	H	Glacial sd	(GSC-I)
NW	18	5	16		1911	Dr	6c	3175	256	26	240	G	D, S	H, A	Belly River ss	35 approx. br (GSC-I)
NW	20	5	16		1918	Dr	6c	3170	287	55	287		S	S, So	Belly River ss	(GSC-I)
SW	32	5	16		1926	Dr	6c	3120	254	26	246	G	D, S	H, A	Belly River (Foremost)	40 br, sh (a little water), 40-200 brown sh with numerous coal seams, 200-227 ss, 227-246 sh, 246-254 ss (GSC-I)
NW	33	5	16		1915	Dr	6c	3111	217	40		G	D, S	H, I	Belly River ss	40 approx. br (GSC-I)

Water-Well Records, West of the Fourth Meridian (Cont'd.)

Location West of 4th Mer. Lsd or 1/4	Sec.	Tp.	R.	Driller	Year drilled	Type of well	Hole diam. (in.)	Surface elev. (ft.)	Well depth (ft.)	Water depth (ft.)	Aquifer depth (ft.)	Yield or test rate (gpm)	Test results Drawdown or recovery (ft.)	Time (min.)	Use	Quality	Aquifer	Lithologic log, chemical analysis, and remarks
SE	2	5	17		1933	D	60s	3177	18	14					D,S	H	Glacial quicksand	(GSC-I)
NE	4	5	17		1929	D,Dr	6c	3156	162	12	157-162	G			S	H,A	Belly River	(GSC-I)
SW	4	5	17		1925	Dr	6c	3178	100	21		G			D,S, Ir	H	Glacial sd	(GSC-I)
SW	5	5	17		1925	D	48	3248	20	14					D,S	H	Glacial cl	(GSC-I)
NE	10	5	17		1934	Dr	6c	3157	304	30	120,304	G			D,S	S	Belly River ss	(GSC-I)
SW	12	5	17		1910	Dr	6c	3196	340	90	325				S	S	Bearpaw sh	30 br; water salty (GSC-I)
SW	13	5	17		1931	Dr	6c	3178	350	88	345-350	1.7			D,S	S	Belly River ss	45 br, 45-275 brown sh with sd lenses, 275-345 black sh, 345-350 ss & water; water salty, water level used to be at 60 ft. (GSC-I)
NE	14	5	17		1915	Dr	6c	3183	156	35					D,S	S,I	Belly River ss	15 br; total solids 2410, sulfates 600, chlorides 12, sodium carbonate 80; water salty (GSC-I)
NE	17	5	17		1935	D	48s	3159	9	7					D,S	H,A	Recent alluvial sd	(GSC-I)
NW	19	5	17		1925	D	48s	3209	40	18		P			D	H	Belly River ss	11 br, ss (GSC-I)
SW	19	5	17		1909	D	42s	3163	21	9					S	H	Recent alluvial sd	46°F (GSC-I)
SE	21	5	17		1914	Dr	6c	3168	300	42	150				S	S,So	Belly River sd	(GSC-I)
NW	22	5	17		1916	D	48s	3167	70	64					D,S	H,I	Glacial dr	(GSC-I)
NW	24	5	17		1919	Dr	6c	3160	298	42	298	G			S	S	Belly River sh	0-140 boulders, gumbo, cl, 140-289 sh, 289-293 coal, 293-298 ss, Potash at?; water below ss (GSC-I)
NE	25	5	17		1911	Dr	6c	3142	147	59	145-147				D,S	H,I	Belly River ss	(GSC-I)
NW	27	5	17		1909	D	48 x 36c	3137	18	10					D,S	H	Belly River ss	12 br (GSC-I)
SE	27	5	17		1916	D	36c	3162	50	49					S	H,A	Glacial dr	0-50 cl & boulders; water bitter (GSC-I)
NE	29	5	17		1923	D	36s	3156	28	16					D,S, Ir	H,A	Belly River ss	0-4 soil, 4-28 ss (GSC-I)
SE	29	5	17		1929	D		3182	90	D								0-90 cl & boulders (GSC-I)
SW	31	5	17		1917	Dr	6c	3202	92	63	90-93	G			D,S	S,So	Belly River ss	90-93 ss; water now bitter (GSC-I)
SE	34	5	17		1933	D	36c	3157	50	18		G			S	H,I	Glacial dr	0-50 cl & boulders (GSC-I)
NE	34	5	17		1911	D		3174	60	54	56-60				D,S	H,I	Glacial gr	8-10 glacial cl, 10-56 blue cl, 56-60 gr; not now used (GSC-I)
NW	34	5	17		1921	D	48c	3143	30	24		G			D,S	H	Glacial dr	(GSC-I)
SW	35	5	17		1936	D	36c	3137	9	7		G			D	H	Glacial sd	(GSC-I)
NW	36	5	17		1918	Dr	6c	3136	81	45					S	S,So	Bearpaw sh	160-181 blue sh (GSC-I)
NE	1	5	18		1910	D	6?	3215	14	7		G			D,S	H	Recent alluvial sd	(GSC-I)
SE	1	5	18		1934	D	7c	3212	17	12					D,S	H,A	Recent alluvial sd & cl	(GSC-I)

NE	4	5	18		1910	D	48s	3351	68	58			S	H,A	Belly River	(GSC-I)
NW	10	5	18			Dr	6c	3276	165	55			S	H,A,I	Belly River ss	Bitter tasting (GSC-I)
NE	11	5	18		1920	Dr	6c	3248	165	50			S	H,A,I	Belly River ss	(GSC-I)
NW	19	5	18		1911	Dr	6c	3291	165	50		P	S	S,So	Belly River ss	0-45 cl & gr, 45-56 hardpan, 56-58 Ironstone, 58-? sh (GSC-I)
NW	21	5	18		1906	Dr	6c	3262	155	8	80		D,S	S,So	Belly River ss	Total solids 2668, free ammonia .09, aklinity 910, hardness 60, sodium sulphate 900, sodium carbonate 63, sodium chloride 33 (GSC-I)
SW	23	5	18		1917	Dr	6c	3283	180	10	40		N	VH	Belly River ss	Bitter tasting (GSC-I)
NW	23	5	18		1915	Dr	6c	3143?	145	75			N	H,A	Belly River ss	30-31 ss, 31 + sh (GSC-I)
SW	24	5	18		1936	Dr	6c	3252	828	235		G	D,S	S,So	Milk River ss	Sh to 786, 786-828 Milk River ss; total solids 2870, sodium chloride 1313, alkalinity 600; gas at 13 pounds pressure at 600 ft. (GSC-I)
NW	27	5	18		1921	D	48s	3186	12	7	8	<1	S	H	Belly River ss	0-8 cl, 8-12 ss (GSC-I)
SE	28	5	18		1910	D	48s	3206	30	23			D,S	H,A	Belly River ss	0-15 cl, 15-30 ss (GSC-I)
NE	30	5	18			Dr	6c	3262	80	45			D	S,I	Belly River ss	12 br (GSC-I)
SW	33	5	18		1926	D	48s	3198	12	9			D,S	H	Belly River ss	12 br (GSC-I)
SW	33	5	18		1934	Dr	6c	3204	250	15	70		D	S,So	Belly River sh	0-16 cl, 16-18 ss, 18-68 sh, 68-70 ss, 70 water, 70-250 sh (GSC-I)
SW	35	5	18		1926	Dr	6c	3206	100	60			D,S	H,A,I	Belly River ss	(GSC-I)
NW	36	5	18		1915	Dr	6c	3180	75	63			S	H,A	Glacial cl	Water level used to be at 40 ft., 40°F (GSC-I)
NE	1	5	19	Midland	1947	Dr	8		700	D						685 Milk River formation; 91 ft. of 8 in. casing cemented in to shut off bad water hit at 35 ft. A small amount of gas at 685 ft., but no water (GSC-I)
NE	1	5	19		1915	Dr	6	3378	90	50		1.5	D	S	Belly River sh	40 br; water laxative (GSC-I)
SW	5	5	19		1930	D	48s	3374	24	12			D,S	H	Belly River ss	(GSC-I)
NW	7	5	19		1910	D		3383	35	12			D	H	Glacial sd	(GSC-I)
NW	7	5	19		1926	Dr		3341	72	5		5.5	D,S	S	Belly River ss	15 br (ss) (GSC-I)
NW	10	5	19		1917	Dr	6c	3412	126	100	60	<1	D	H	Belly River ss	8 br (ss)(GSC-I)
NW	11	5	19		1917	Dr	6c	3439	220	100	200		N	H	Belly River ss	12 br (ss) (GSC-I)
NW	14	5	19			Dr		3400	565	40	40-70	8				115-117 coal (GSC-I)
SW	14	5	19		1918	Dr		3452	565	500		<1			Belly River ss?	Water is bitter tasting and poisonous as are the six other wells on this section.(GSC-I)
NE	16	5	19		1908	Dr	6c	3283	265				N		Milk River ss	20 br (ss); very small amount of water (GSC-I)
NW	18	5	19		1916	D	48s	3328	22	18		P	D,S	S	Belly River ss	46°F (GSC-I)

Water-Well Records, West of the Fourth Meridian (Cont'd.)

Location West of 4th Mer. Lsd or 1/4	Sec.	Tp.	R.	Driller	Year drilled	Type of well	Hole diam. (in.)	Surface elev. (ft.)	Well depth (ft.)	Water depth (ft.)	Aquifer depth (ft.)	Test results: Yield or test rate (gpm)	Drawdown or recovery (ft.)	Time (min.)	Use	Quality	Aquifer	Lithologic log, chemical analysis, and remarks
NW	21	5	19		1931	Dr		3212	85	4		10			D,S	S	Recent alluvial sd & gr	(GSC-I)
NW	22	5	19		1926	Dr		3242	85	D								0 br (ss) (GSC-I)
NE	24	5	19		1935	D		3315	40	15					S	H	Belly River ss	(GSC-I)
NE	25	5	19		1936	D		3294	35	15		<1			D	H	Belly River ss	(GSC-I)
SW	28	5	19		1930	Dr		3254	30	D								10 br (ss) (GSC-I)
	28	5	19	Midland	1947	Dr			1000									Br is Lower Milk River ss; hole abandoned
SW	30	5	19			D		3220	12	10					D,S	H	Recent alluvial sd & gr	(GSC-I)
SE	1	5	20		1927	D	48s	3404	12	6					D,S	H,A	Belly River ss	8 br (ss) (GSC-I)
SW	1	5	20		1917	Dr	6c	3445	1000	70		P			N	H	Blood Reserve ss	Water too bitter for use (GSC-I)
NW	2	5	20		1926	Dr	6	3450	115	90		1.5			N	H	Blood Reserve ss	A good supply of soft water at 65 ft. in white quicksand, with the water rising to 7 ft. from surface, but the quicksand filled the hole. The well was then extended to 115 ft. with a poor supply of hard water.(GSC-I)
SW	9	5	20		1935	D	48s	3376	14	10		P			D,S	H	Glacial sandy cl	(GSC-I)
NW	9	5	20		1912	D	36s	3359	20	12					D,S	H	Quicksand	Another well on same valley bottom, similar in all respects had numerous fossils at the bottom (Artica). (GSC-I)
NW	12	5	20		1926	D		3250	7	0					D,S	H	Belly River	2 br (GSC-I)
NW	13	5	20		1918	D	48s	3314	18	6					D	S	Belly River	8 br (GSC-I)
6	14	5	20			Dr			414	20	36-40				I	S		204-208 coal, 364-368 coal; water analysis shows total solids 6190, sodium 836, calcium 470, magnesium 322, chlorides 135.(GSC-I)
16	16	5	20			Dr			52	48	48-52					S	Glacial	Water analysis shows total solids 5130, sodium 1559, calcium 99, magnesium 38, chlorides 28, sulphates 2890, bicarbonates 913.(GSC-I)
SE	19	5	20		1930	D	36s	3263	45	43					S	H,A	Belly River ss	0 br (GSC-I)
NW	20	5	20		1924	Dr	6	3273	200	0		P			N	H,A	Bear Paw	(GSC-I)
NW	21	5	20		1920	D	42s	3298	20	6					S	H	Belly River ss	16 br; water bitter, 46°F (GSC-I)
NE	22	5	20		1915	D	48s	3270	20	+5		G			D,S	H	Belly River ss	5 ft. ss, br 6 (GSC-I)
1	23	5	20			Dr			105						I	S	Glacial	Water analysis shows total solids 3748, sodium 1204, calcium 25, magnesium 11, chlorides 50, sulphates 2077, bicarbonates 556, carbonates 24.(GSC-I)

3	23	5	20			Dr			80	76	76–80				I	S	Glacial	Water analysis shows total solids 2654, sodium 939, calcium 18, magnesium 79, chlorides 23, sulfates 1083, bicarbonates 1097, carbonates 36.(GSC-I)
8	23	5	20			Dr			36		36				I	S	Glacial	Water analysis shows total solids 7080, sodium 1603 calcium 260, magnesium 183, chlorides 263, sulphates 4080, bicarbonates 332.(GSC-I)
SW	24	5	20		1931	D		3396	15	6		G			D,S	S	Belly River sh	4 br (GSC-I)
SE	26	5	20			D	48s	3198	22	12					D,S	H	Belly River ss	22 br (GSC-I)
NE	30	5	20		1911	Dr		3238	24	21		G			D,S	H,A	Belly River ss	Water used to be soft (GSC-I)
NE	31	5	20		1925	Dr	6	3217	100	33		P			N	H	Ss	14 br; 46°F (GSC-I)
SW	32	5	20			D	36s	3226	20	15					D,S	H,A	Cl	(GSC-I)
NE	32	5	20		1934	D	72s	3205	27	17	27				N	H	Glacial sd	27 sd; water bitter tasting (GSC-I)
NE	33	5	20		1925	Dr	6	3231	100	20					D,S	S	Belly River ss	80 ss (GSC-I)
NW	35	5	20			Dr	5		65	25		P			S	H,I	Belly River ss	Water level used to be at 6 ft. (GSC-I)
NW	36	5	20		1935	D	48s	3216	22	10					D,S	H	Glacial cl	Has another well 22 ft. deep 10 yds. from recorded well with 12 ft. of hard water, used for domestic and stock purposes. (GSC-I)
SE	4	5	21		1930	D	48s	3646				G			D,S	H	Glacial gr	(GSC-I)
SE	5	5	21			S						G			D	H		48°F (GSC-I)
NW	5	5	21		1917	D	48s	3549	50	40		G			D,S	H	Glacial gr	45°F (GSC-I)
SE	6	5	21		1915	Dr	6	3610	140	30					D,S	H	Glacial gr	(GSC-I)
SW	7	5	21		1929	Dr	6	3475	72	25		G			S	H	Bear Paw	55–57 coal; water bitter (GSC-I)
16	7	5	21	Skyline	1958	Dr	5 1/2c		85	6	11,85	10	45 –45	15 30	S	M,H,I		0–5 cl, 5–11 gr, 11–43 cl, 43–63 sh, 63–67 ss, 67–85 sh (GSC-I)
NW	8	5	21		1913	Dr	6	3499	90	40					D,S	H	Glacial gr	(GSC-I)
NW	9	5	21		1920	Dr	6	3529	90	60		G			D,S	S	Belly River ss	60 br (GSC-I)
SW	11	5	21		1908	Dr	6	3533	38	30					D,S	MH	Glacial gr	46°F (GSC-I)
NE	12	5	21		1914	Dr	6	3441	22	15		20			D,S	H	Glacial cl	(GSC-I)
SE	13	5	21		1930	Dr	6	3426	80	40		2			D	S	Glacial cl	For washing only (GSC-I)
NE	15	5	21		1911	D	36s	3435	100	80					D,S	H	Glacial cl & gr	(GSC-I)
SE	16	5	21			D	48	3534	12	8		<1			D,S	H	Glacial gr	Has another good well, 46°F (GSC-I)
SW	20	5	21		1916	Dr	6	3342	113			G			D,S	S	Blood Reserve ss (Belly River)	(GSC-I)
SW	21	5	21			D	48s	3467	20	18		G			D,S	H	Glacial gr	75 br; 44°F (GSC-I)
NE	21	5	21			S		3338							D,S	H		Supplies colony, 44°F (GSC-I)
NE	25	5	21		1916	Dr	6	3275	91	25		6			D,S	H,A	Belly River ss	(GSC-I)
SW	26	5	21	Foremost	1952	Dr	5c		795			G			D	S	Lower Milk River ss	(GSC-I)
SE	26	5	21			Dr	6	3180	130	70		G			D,S	S	Blood Reserve ss (Belly River)	(GSC-I)
NE	27	5	21		1926	Dr	6	3328	330			G			N		Blood Reserve ss	Well caved in (GSC-I)

Water-Well Records, West of the Fourth Meridian (Cont'd.)

Location West of 4th Mer. Lsd or 1/4	Sec.	Tp.	R.	Driller	Year drilled	Type of well	Hole diam. (in.)	Surface elev. (ft.)	Well depth (ft.)	Water depth (ft.)	Aquifer depth (ft.)	Yield or test rate (gpm)	Test Results Drawdown or recovery (ft.)	Time (min.)	Use	Quality	Aquifer	Lithologic log, chemical analysis, and remarks
NE	30	5	21		1932	D	36s	3245	9	5					D,S	H	Glacial sd	(GSC-I)
SW	32	5	21			D	48s	3232	12	11		G			D,S	H	Recent alluvium	(GSC-I)
NE	35	5	21		1911	Dr	6	3238	130	100		P			D,S	H		Not used now (GSC-I)
NE	35	5	21		1913	Dr	4c		160		160				D,S	S		90-160 soft & hard rock (GSC-I)
NE	36	5	21			Dr					70							Water analysis shows total solids 958, sodium 335, calcium 7.4, magnesium 9.6, chlorides 14, bi-carbonates 628.(GSC-I)
SW	1	5	22			D	36 x 48	3479	24	20					D	H	Glacial sd & gr	46°F (GSC-I)
SW	2	5	22		1926	Dr	6	3447	205	185					D,S	H	Glacial quicksand	140 br?; not used now (GSC-I)
NE	2	5	22		1918	D	36s	3427	10	8		P			D,S	H	Glacial cl	(GSC-I)
SE	5	5	22		1916	Dr	6	3416	260	230		P			N	H,A	Glacial dr	Water is laxative (GSC-I)
NW	6	5	22		1923	D	36s	3436	16	10					D,S	H	Glacial sd	(GSC-I)
NE	7	5	22		1916	Dr	6	3522	175	100		G			D,S	H	Glacial gr	(GSC-I)
SW	8	5	22		1919	Dr	6	3405	285	200		G			D,S	S	Bear Paw	Not used now, caved in (GSC-I)
NW	8	5	22	Skyline	1958	Dr	4 3/4		240	200	200-235	4	10 -10	120 30	D		Sd & gr	0-60 sd, 60-120 sandy cl, 120-205 cl, 205-220 cl with ledges of gr, 220-235 water sd & gr, 235-240 black sh
NW	11	5	22		1916	D	36	3311	30	25		G			D,S	H	Glacial sd	(GSC-I)
NE	12	5	22			Dr	6	3403	160	60		G			D,S	H,I	Glacial gr	46°F (GSC-I)
15	12	5	22	Skyline	1958	Dr	5 1/2		85	5	23,85	15	15 -15	20 10	D	MH	Gr & sd, sh	0-23 cl, 23-30 gr & sd, 30-38 cl, 38-41 ss, 41-65 sh, 65-68 ss, 68-85 sh; 1/4 in. screen used
NW	13	5	22		1910	D	36s	3297	30	3					D,S	H	Glacial gr	Water is slightly laxative, 46°F (GSC-I)
SW	13	5	22		1933	D	36s	3394	18	6		P			D,S	H	Glacial cl	Another well, 6 ft. deep, in coulee (GSC-I)
SE	15	5	22		1908	D		3268	12	10		G			D,S	S	Recent alluvium	(GSC-I)
5	15	5	22	Skyline	1958	Dr	5 1/2		65	F	60-65	30			S	S	Gr	0-8 sd, 8-60 gr, 60-65 cemented gr
NE	17	5	22		1911	D	36	3347	18	8					D,S	H	Glacial sd	(GSC-I)
NE	18	5	22		1908	D	48s	3449	18	0					D,S	H	Glacial sandy cl	46°F (GSC-I)
NE	20	5	22		1914	Dr	6	3299	125	20					S	S, So	Blood Reserve ss	6 coal seam; 46°F (GSC-I)
SW	21	5	22		1916	Dr	6	3306	120	60		<1			D,S	H,I	Blood Reserve ss	75 ss (GSC-I)
4	21	5	22	Skyline	1958	Dr	6		80	30	56	6	0	60	S		Ss	0-56 cl, 56-63 ss, 63-80 sh; 1/4 in. screen used
12	21	5	22	Skyline	1958	Dr	5		160	65	150-160	8	60 -60	120 55	D			0-65 cl, 65-127 sh & ss ledges, 127-150 sh, 150-156 ss, 156-160 sh
NW	21	5	22		1914	Dr	6	3260	60	20					D,S	H	Blood Reserve ss	60 br (GSC-I)
NW	23	5	22		1935	B	36s	3227	50	D							Glacial cl	(GSC-I)
NE	23	5	22		1912	Dr	6	3087	53	+4		G			D,S	H	Ss	(GSC-I)
NE	23	5	22		1921	B	4c	3174	63	1	57	4.5			D,S			0-57 cl, 57-63 rock

NW	24	5	22		1915	Dr	6	3250	360	60	300				D,S	S	Blood Reserve	254-260 coal seam (GSC-I)
SE	26	5	22		1918	Dr	1 1/2c	3150	45	F	44				D,S	S		Well not completed by survey date of 1918
	26	5	22		1912	Dr	4c		87	60	70					A		2-87 sd & gr; many similar wells in Magrath
	26	5	22			Dr			168	30								
N1/2	26	5	22		1910	Dr	6	3210	73	12	71	G			D,S	H	Blood Reserve ss	Town of Magrath, lot 4, block 24 (GSC-I)
N1/2	26	5	22			Dr	6	3210	68	12	66	"			D,S	H	" "	" " " " 6 " 26 "
N1/2	26	5	22		1912	Dr	6	3210	60	20	60	"			D,S	S	" "	" " " " 4 " 27 "
N1/2	26	5	22			Dr	6	3210	88	12	86	"			D	H	" "	" " " " " 32 "
	26	5	22			Dr	6	3210	86	12	84	"			D,S	H	" "	" " " " 4 " 36 "
	26	5	22			Dr	6	3210	196	154	154	"			D	S	" "	" " " " 5 " 36 "
	26	5	22			Dr	6	3210	83	12	81	"			D	H	" "	" " " " 5 " 36 "
	26	5	22			Dr	6	3210	83	12	81	"			D	H	" "	" " " " 8 " 36 "
	26	5	22			Dr	6	3210	68	6	66	"			D,P	H	" "	" " " " 4 " 46 "
	26	5	22			Dr	6	3210	68	6	66	"			D	H	" "	" " " " 5 " 46 "
	26	5	22			Dr	6	3210	86	8	84	"			D,S	H	" "	" " " " 33 " 49 "
	26	5	22			Dr	6	3210	89	12	87	"			D	H	" "	" " " " 7 " 50 "
	26	5	22			Dr	6	3210	93	12	91	"			D	H	" "	" " " " " 54 "
	26	5	22			Dr	6	3210	86	10	84	"			D	H	" "	" " " " " 56 "
	26	5	22			Dr	6	3208	68	?	68	"			D	H	" "	" " " " 1 " 65 "
	26	5	22			Dr	6	3210	90	12	88	"			D	H	" "	" " " " 4 " 69 "
	26	5	22			Dr	6	3210	90	8	88	"			D	H	" "	" " " " 4 " 69 "
	26	5	22			Dr	6	3210	98	10		"			D	H	" "	" " " " 8 " 75 "
	26	5	22			Dr	6	3210	83	8	81	"			D,S	H	" "	" " " " 5 " 86 "
	26	5	22			Dr	6	3210	93	12	90	"			D,S	H	" "	" " " " " 88 "
	26	5	22			Dr	6	3210	92	8	90	"			D,S	H	" "	" " " " 1 " 90 "
	26	5	22			Dr	6	3210	93	12	91	"			D	H	" "	" " " " 5 " 93 "
	26	5	22			Dr	6	3210	83	12	82	"			D,S	H	" "	" " " " 2 " 95 "
SE	27	5	22		1914	Dr	6	3244	95	20		G			D,S	H	Blood Reserve ss	46°F (GSC-I)
NE	28	5	22		1918	Dr	6	3242	67	9	67	G			D,S	H	Blood Reserve ss	(GSC-I)
NE	30	5	22		1916	Dr	6	3348	52	4	25,52	G			S	H,A	Blood Reserve ss	Water very laxative (GSC-I)
NW	31	5	22		1916	Dr	6	3345	80	20	80				D	S	Blood Reserve ss	(GSC-I)
12	31	5	22	Skyline	1958	Dr	5 1/2		100	10	84-100	11	48	30	S			0-75 cl, 75-78 sh, 78-84 ss, 84-98 sh, 98-100 ss;
													-48	15				1/4 in. screen used
SW	32	5	22		1921	Dr	6	3293	88	8	88	G			D,S	H	Blood Reserve ss	Water is bitter, 46°F (GSC-I)
NE	32	5	22			Dr			115	38					D,S	S,So	Blood Reserve ss	
SW	2	5	22	Maughan	1962	Dr	6 5/8c		193	F	193	G			D,S		Buried gr	0-28 yellow cl, 28-42 blue cl, 42-53 cl & stones, 53-125 blue cl, 125-127 wet sd, 127-162 blue cl, 162-165 sd, 165-188 cl, 188-193 gr & boulders 0-175 cl, 175-181 gr, 181-190 cl, 190-212 cemented gr, 212-235 sh
12	2	5	23	Skyline	1958	Dr	5 1/2		235	D								
SW	4	5	23			Dr			180	F	177-180				D,S	S	Sd & gr	
SE	11	5	23		1924	D	48s	3440	16	10					D,S	H	Glacial sd	(GSC-I)
NW	11	5	23		1916	Dr	6	3491	160	100					N	H	Glacial boulders	Water tastes bitter and is harmful.(GSC-I)

Water-Well Records, West of the Fourth Meridian (Cont'd.)

Location West of 4th Mer. Lsd or 1/4	Sec.	Tp.	R.	Driller	Year drilled	Type of well	Hole diam. (in.)	Surface elev. (ft.)	Well depth (ft.)	Water depth (ft.)	Aquifer depth (ft.)	Test results: Yield or test rate (gpm)	Drawdown or recovery (ft.)	Time (min.)	Use	Quality	Aquifer	Lithologic log, chemical analysis, and remarks
SW	12	5	23		1926	D	36	3502	20	8		G			D	H	Glacial gr	(GSC-I)
NE	12	5	23		1900	Dr	6	3465	35	+1		G			D, S	S	Blood Reserve ss	46°F (GSC-I)
SE	13	5	23		1918	Dr	6	3510	75	0		G			D, S	H	Glacial sd	(GSC-I)
SW	24	5	23		1914	Dr	6	3523	240	200		<1			S	S, So	Blood Reserve ss	Too much soda for human use (GSC-I)
NW	24	5	23		1907	Dr	6	3635	220	200	220				D, S	S, So	Blood Reserve ss	Used to be a good supply until casing gave way (GSC-I)
NE	27	5	23		1924	Dr	6	3378	120	20	120	G			D, S, Ir	H	Blood Reserve ss	Flowed during wet years (GSC-I)
NE	35	5	23		1912	Dr	5 5/8c		68	15	65	4.5					Sd & gr	0-65 gumbo, 65-68 sd & gr
SE	36	5	23			Dr	6	3390	65	40	65							
16	1	5	24			R			111	18					O			0-38 unconsolidated brown cl, 38-42 weathered to bedrock, 42-49 fine grained medium to hard buff ss, 49-50 sandy, hard, greenish, broken sh, 50-53.5 silty, medium to hard, light buff ss, 53.5-55 sandy, hard, light buff sh, 55-56 sandy dark green sh with pellets & lenses of sd, fractured, 56-60 sandy olive green sh with pellets and lenses of sd, 60-63 fine to medium, hard, buff ss, high in lime, 63-66 sandy, greenish, rusty, much broken sh, 66-67 medium to fine hard olive green ss grit with cl, 67-68.5 silty, hard massive, grey to buff ss, 68.5-73 sandy hard dark green, rusty sh, 70 fossils, 73-75 sandy, black to dark green broken sh, 75-79 hard, dark green Argillite, breaks angular fragments, rusty on fractures & slickensided, 79-80 silty hard greenish ss with plant fragments, 80-83 silty hard greenish ss, rusty on fractures, with some sh, 83-92 siliceous hard greenish sh, with ss lenses, 92-93 sandy dark green, hard sh, with plant fragments and fossils, 93-94 fine clayey hard dark grey ss, 94-99 medium hard, massive grey ss, with mica on bedding, 99-100 silicous hard black sh, 100-104.5 siliceous hard greenish sh, 104.5-106.5 siliceous, hard, dark green to brown sh, breaks to angular fragments, badly fractured at 105, 106.5-110 siliceous hard dark green fractured sh, 110-111 fine grained, hard grey ss with mica flakes; St. Mary River Damsite test hole #34 (PFRA)*
9	11	5	24			R			79	40					O			0-27 glacial till & boulder cl, 27-30 residual soft ss, 30-33 clayey, soft, buff ss, 33-40 soft buff sh, high in lime, 40-48 clayey soft buff ss, 48-50 soft ss with cl & fossil Unios, 50-54 sandy buff sh & clayey ss, 54-59 dark green, hard ss, 59-61 sandy,

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greenish, broken sh, 61-64 ss & thin bands of sh, 64-67 sandy sh with lime pellets, 67-68 clayey buff ss, 68-72 sandy green sh, 72-76 hard ss, 76-79 hard bluish sh; water lost at 69 ft.; St. Mary River Damsite test hole #21 (PFRA)*
0-7 light brown medium cl, sandy cl & sd, 7-14 sandy greenish sh, lime, 14-16.5 greenish hard broken sh, 16.5-25 fine grey ss with mica flakes, 25-31 sandy greenish sh, rusty on fractures & some fossils, 31-35 massive grey ss, 35-37 sandy sh, some fractures, 37-42 massive fine greenish grey ss, 42-43 dark carbonaceous sh, 43-44.5 greenish sh, 44.5-45 dark brown carbonaceous sh, 45-47 sandy greenish grey fractured sh, 47-49 clayey, massive greenish grey ss, 49-50 fine grained, massive, grey ss, 50-52 sandy, massive greenish sh, 52-55 massive, medium grey ss & lime, 55-60 massive greenish sh with sd lenses, 60-62 massive greenish ss with lime, 62-64 interbedded greenish ss & sh, 64-66 greenish, fractured sh to 65, water lost at 62, recovered at 65, 66-69 sandy, greenish, fossiliferous sh, 69-70 medium to hard, coarse to medium, greenish grey ss with cl, 70-71 massive, greenish sh, 71-71.5 carbonaceous, black to brown sh with fossils, 71.5-77 massive, greenish, fractured sh, water lost at 74, recovered at 76, 77-79 sandy, coarse, greenish sh, 79-81 coarse to fine, greenish sh, 81-84 medium, grey ss interbedded with sh, 84-86 medium, grey ss, some lime, 86-90 hard, massive, greenish sh, 90-90.3 black, carbonaceous, crushed sh, 90.3-92 massive, grey ss, some lime, 92-96 ss & sh interbedded, 96-98 hard, massive, greenish sh, 98-102 medium grain, hard, greenish ss, some lime, 102-106 greenish grey sh, with sd lenses & some lime, fossils at 104, 106-109 massive, greenish sh, 109-111 greenish ss interbedded with sh, 111-113 massive, greenish sh, some fractures, 113-114 dark green, massive sh, many fossils, 114-117 medium hard, greenish ss, 117-121 hard, greenish ss & sh interbedded, slickensided fracture at 121, 121-126 fine grained, hard, grey ss, 126-128 greenish sh, angular fracture, 128-129 brown, carbonaceous sh, 129-131 clayey, medium, greenish ss with dark streaks, 131-133 massive, hard, sandy, greenish sh (Argillite), 133-135 fine grained, medium hard, greenish ss, some cl, 135-141 massive, hard, greenish sh (Argillite), 141-143 sandy, brown sh, some fossils, 143-147 medium to fine, brown to grey ss, with sh, some shell fragments, 147-150 massive, greenish ss, some sh, 150-190 massive, coarse to fine, grey ss, with mica, 190-191

Water-Well Records, West of the Fourth Meridian (Cont'd.)

Location West of 4th Mer. Lsd or 1/4	Sec.	Tp.	R.	Driller	Year drilled	Type of well	Hole diam. (in.)	Surface elev. (ft.)	Well depth (ft.)	Water depth (ft.)	Aquifer depth (ft.)	Test results: Yield or test rate (gpm)	Drawdown or recovery (ft.)	Time (min.)	Use	Quality	Aquifer	Lithologic log, chemical analysis, and remarks
																		medium to hard, greenish sh, 191-194 sandy, greenish sh (Argillite), 194-198 fine to medium compact, greenish ss, with mica, 198-198.4 greenish sh, with black carbonaceous bands, 198.4-202 massive, grey ss, with black bands, 202-203 hard, dark brown to black, broken shale (Argillite), 203-205 fine grained, medium, greenish ss, some plant fragments, 205-207 hard, greenish sh (Argillite), 207-212 hard, greenish grey, fractured sh (Argillite), sandy bands, 212-214 medium to soft, dark grey ss, with sh bands, 214-214.3 black sh, 214.3-216 sandy, massive, greyish sh, 216-217 clayey, fine, greenish grey ss, 217-220 sandy, hard, greenish sh (Argillite); water lost at 62 ft., recovered at 65 ft., and water lost at 74 ft., recovered at 76 ft., no loss of water 144-183 and to bottom of hole, St. Mary River Damsite test hole #30 (PFRA)*
5	12	5	24		1941	R		3362	81						St			0-2.5 coarse gr, 2.5-3.5 silty hard grey to buff ss, 3.5-4 sandy hard grey to buff sh with black streaks and plant fragments, crossbedded, solid, 4-6.5 clayey hard grey ss, many plant fragments, 6.5-7 sandy hard dark grey sh, 7-10.2 massive hard ss, black streaks, plant fragments, pale green, 10.2-11.5 shaly dark green hard crossbedded ss, 11.5-12 sandy hard dark grey sh, 12-12.8 smooth hard dark greenish sh, 12.8-13 black medium to soft carbonaceous sh, 13-14 hard dark grey sh, 14-14.5 sandy black to carbonaceous hard sh, 14.5-15.5 hard greenish sh, 15.5-15.8 soft carbonaceous to black sh, 15.8-16.8 silty hard greenish ss with black streaks, 16.8-18 sandy greenish sh, fossils, 18-19.5 silty hard greenish ss, 19.5-20.5 hard to soft greenish sh, much broken, 20.5-20.8 sandy hard dark green sh, much fractured, 20.8-21.2 carbonaceous brown soft sh, disintegrates to small fragments, 21.2-23 sandy hard greenish sh with ss layers, 23-25.5 hard smooth greenish sh, some lime, 25.5-27 silty medium to hard grey ss, 27-28 soft greenish ss, much cl, with irregular grey cl patches, broken and slickensided 28-29 sandy dark brown carbonaceous soft sh, 29-32.8 sandy soft to medium greenish grey shale, 32.8-33 soft brown carbonaceous sh with coal lenses, 33-34 medium to hard dark grey to grey sh, 34-36 medium to

5	12	5	24	1941	R	3545	50	24	St	hard greenish sh, some sd, 36-38.5 sandy massive hard dark greenish sh, 38.5-43 sandy hard greenish sh with sandstone layers, 43-45 hard sandy greenish Argillite, breaks to angular fragments, 45-46 sandy brown to dark green sh, angular fragments, 46-46.5 gritty hard brown ss, 46.5-48 silty crossbedded hard greenish ss, 48-48.5 medium to coarse hard grey ss, 48.5-51.2 silty crossbedded grey ss, 51.2-52 shaly crossbedded grey ss, 52-53 sandy crossbedded grey to greenish shale, 53-59 crossbedded dark streaks greenish ss with sh layers, 59-61 shaly crossbedded hard light green ss, 61-61.5 silty hard grey ss, 61.5-62.5 sandy greenish to dark grey sh, 62.5-63 soft brown to black sh with fossil fragments, 63-65 sandy hard greenish sh, 65-68 medium grain hard massive grey ss, 68-69 sandy hard greenish grey sh with dark layers, soft very dark grey to black with plant fragments, 70-71.5 compact hard (pocker chips) greenish grey sh, 71.5-72 sandy dark brown to black sh, with thin layers of grey ss, 72-73 medium to fine greenish ss with plant fragments, 73-74 sandy medium greenish sh with plant fragments, 74-77 hard green to dark grey sh, 77-79 fine to medium hard greenish grey ss, 79-81 coarse grey to greenish ss with mica flakes, some lime; small amount of water lost at 7 ft., most of water lost at 18, 27, 44, 46, 61, 68 & 72 ft., St. Mary River Damsite test hole #35 (PFRA)* 0-3.5 unconsolidated dark brown cl & gr, 3.5-4 soft black organic material, 4-6 very soft cl & sh, 6-7 dark brown sh with plant fragments, much broken, 7-12 siliceous hard yellow to greenish sh, much broken, some fossil fragments, 12-16 silty medium to hard grey ss, sh lenses, some lime, 16-18 hard greenish sh (compaction sh), angular fragments, 18-24 sandy yellowish green broken sh with soft clay streaks, 24-25 soft dark brown and grey sh, 25-27 silty dark grey broken rusty ss with shale lenses, 27-28 silty medium to hard light buff broken rusty sh, 28-34 olive green (rusty on fractures) Argillite (compaction sh), hard sd lenses, 34-37 silty hard olive green ss, fossil fragments, 37-41 silty hard light green rusty Argillite, irregular nodules of grey cl, 41-43 hard dark brown Argillite (compaction sh) with white sd patches, plant fragments, 43-45 silty hard yellow grey fractured ss, 45-47 hard light green ss & sh, 47-49 fine to medium & medium to hard light cream to greenish ss, 49-50 massive hard greenish Argillite, sandy lenses; all water lost at 21.5, 26.5, 31.5 & 37.5 ft., St. Mary River Damsite test hole #36 (PFRA)*

Water-Well Records, West of the Fourth Meridian (Cont'd.)

Location West of 4th Mer. Lsd or 1/4	Sec.	Tp.	R.	Driller	Year drilled	Type of well	Hole diam. (in.)	Surface elev. (ft.)	Well depth (ft.)	Water depth (ft.)	Aquifer depth (ft.)	Yield or test rate (gpm)	Test results Drawdown or recovery (ft.)	Time (min.)	Use	Quality	Aquifer	Lithologic log, chemical analysis, and remarks
SE	12	5	24	W. Maughan	1964	Dr	6		35	15	17,28	20	16		P			0-12 fill, 12-17 gr, 17-35 sh & ss
NE	32	5	25		1961	Dr	6		123	90	30-32 105-110	3	-16 15 -15	30 8	D	MH		0-3 topsoil, 3-30 cl, 30-32 gr, 32-108 cl, 108-115 sd & gr, 115-123 sh
	11	5	27	G. Leismeister	1963	Dr	4		70	50	60-70	4.5				MH	Gr	0-60 cl, 60-70 gr (water)
4	13	5	27	D. Ruttan	1964	Dr	4 1/2		135	18	132	10	0	60	D	S		0-3 topsoil, 3-85 brown sandy cl, 85-114 gr, 114-135?
12	17	5	28	W. Maughan	1964	Dr	6		198		190-196	10			D	H	Sd & gr	0-190 cl, 190-196 sd & gr
NE	28	5	28	W. Maughan	1961	Dr	6		130		130	12	to 80	120	D			0-38 yellow cl, 38-110 blue cl, 110-129 blue silt & sd, 129-130 gr, 130 red shale
1	20	5	29	W. Maughan	1964	Dr	5		165	9	138	1.5			S	S		0-38 cl, 38-86 sh, 86-138 ss
7	20	5	29	W. Maughan	1964	Dr			200	D								0-28 cl, 28-47 sh, 47-52 ss, 52-156 sh, 156-168 ss, 168-200 sh
E 1/2	36	5	30		1917	Dr	5 5/8c		95		90				D,S		Gr	81-85 ss, 90-95 gr (GSC-I)
SE	21	6	1			D	48s		11	+1.5					D,S	S	Soft alluvial cl	(GSC-I)
NW	23	6	1			D	48s		11	8		G			D,S	S	Recent alluvium?	Near creek, 46°F (GSC-I)
N 1/2	24	6	1			D	32s		16						D,S	S	Recent alluvial gr	(GSC-I)
	32	6	2			D	32c		12	8					D,S	H	Glacial dr	46°F (GSC-I)
2	33	6	2			S		3850		F					D,S, Ir	S		Water flows strongly through fractures in chunky sh or ss. (GSC-I)
	33	6	2			D	60c		14	11		G			D,S	VS	Glacial dr (gr)?	40°F (GSC-I)
	34	6	2			D	48s		11	8		G			D,S	H	Glacial quicksand	43°F (GSC-I)
E 1/2	34	6	2			D	60c		35						D	S	Glacial gr?	Enough water in summer but not in winter (GSC-I)
NE	10	6	3		1908	D	48s		20	14	16				D,S	H,A		0-16 cl?, 16-20 sd
NW	10	6	3		1908	D	48s		20	15		G			D,S	H	Recent alluvium	0-15 cl, 15-20 sandy soil; 42°F (GSC-I)
NW	18	6	4									P			D,S	H	Alluvial sd	Several dry holes (GSC-I)
SE	1	6	5		1911	D	48s		14	10	12				D,S	S	Gr	12-14 gr
SE	1	6	5			D	48s		12	8		G			D,S	H	Alluvial gr	43°F (GSC-I)
SE	1	6	5			D	24s		21	15		G			D,S	H	Glacial gr	43°F (GSC-I)
NW	1	6	5			D	48s		10	3		G			D,S	H	Glacial gr & sd	43°F (GSC-I)
NW	2	6	5		1916	D			20	10	8				D,S	S		0-20 cl
NE	4	6	5		1917	D			16	15	16				D	H		0-16 cl
SE	6	6	5		1918	D			25	16	19				D	S		0-25 sd & gr
NW	6	6	5			D	72 x 36		18	10		G			D,S	VH	Glacial dr	(GSC-I)
SE	7	6	5		1914	B	24		86	72	56,62?	G			D,S	H		62-86 sd
SW	7	6	5			D			35									Abandoned (GSC-I)
SE	8	6	5			D			17	7		P			D	VH	Glacial cl	Blue gumbo; 43°F (GSC-I)

NE	9	6	5			D			15	11		P		D,S	VH	Glacial dr	43°F (GSC-I)
SW	9	6	5			D			14	10		P		D,S	S	Alluvium sandy cl	43°F (GSC-I)
SW	10	6	5		1918	D			10	8	10			D	S		0-10 sd & gr
SW	10	6	5	O. Dube	1961	Dr	4 1/2c		165	40	144-165	5	840				0-20 coarse sd, 20-60 blue cl, 60-84 brown cl; another well, 0-400 brown & blue cl, dry hole (GSC-I)
NE	11	6	5		1919	D			18	14	14			D,S	H		0-18 cl
SE	12	6	5		1912	D			16	11	9	VP		D,S	H,So		0-9?, 9-16 cl
NW	12	6	5		1920	D			22	6	20			D,S	H		0-22 cl
NE	12	6	5		1918	D			18	9	18			D	S		0-18 cl
NE	12	6	5			D			11	1		G		D,S	H	Glacial dr	(GSC-I)
SW	12	6	5		1934	Dr	8,2		220	204		G		S	H	Glacial dr?	(GSC-I)
NW	13	6	5			D			15	12		G		D	H	Glacial dr	43°F (GSC-I)
SE	14	6	5			D	48s		7	4		P		D	H	Recent alluvium	46°F (GSC-I)
NW	15	6	5			D			20	15	20			D	S		0-2 cl
SW	16	6	5		1912	D			18	6	15	P		D	H		0-15 sandy loam, 15-18 sd
SE	16	6	5	O. Dube	1961	Dr			340						S,Su		0-150 brown cl, 150-298 blue cl, 298-340 sh & coal (GSC-I)
SW	17	6	5		1916	D			22	20	22			D	S		0-20 cl, 20-22 sd; can be drawn dry in 1 1/2 hours
NE	17	6	5			D	48s		24	17		G		D,S	H	Glacial dr	42°F (GSC-I)
SW	17	6	5			D	36s		18	17				D	H	Glacial dr	0-14 sandy cl, 14-14.5 grey sd, 14.5-18 sandy cl 45°F (GSC-I)
NW	18	6	5			D	66 x 30		8	7		G		D	H	Glacial dr	45°F (GSC-I)
SW	19	6	5			B	24		52	42		G		D,S	H	Glacial gr	0-50 brown cl, 50-52 gr; 42°F (GSC-I)
SW	19	6	5		1912	B	24		56	0	56	G		D,S	H	Gr	
SE	20	6	5		1920	D			12	8	12			D	S	Sd	0-10 cl, 10-12 sd
SE	20	6	5			D	60s		12	5		G		D	H	Glacial dr	(GSC-I)
NE	23	6	5			D	48s		16	15				D	H	Glacial dr	45°F (GSC-I)
	23	6	5			Dr		3382	1000+								Resistivity data shows 300-425 sh followed by sh, thin sd and lime streaks to over 1000 ft. No evidence of permeable fresh-water sands
SW	24	6	5			D	48s		18	13		P		D,S	H	Recent alluvium	43°F (GSC-I)
NE	24	6	5			D	48s		8	5		P		D,S	H	Glacial cl	45°F (GSC-I)
NE	25	6	5		1934	D	48s		17	15		G		D	H,A	Glacial sandy cl	43°F (GSC-I)
NE	28	6	5			D			25	18		P		D	H,A	Glacial dr	44°F (GSC-I)
SW	28	6	5			D	30s		14	8		P		S	H	Glacial dr	45°F (GSC-I)
SE	30	6	5			D	48s		8	4		G		D	H	Glacial dr	(GSC-I)
SW	33	6	5						10	8		P		N		Glacial dr	(GSC-I)
NE	2	6	6			D	48s	3190	15		15			D,S	H,A	Pale Beds ss	15 br (GSC-I)
SW	5	6	6			D		2910	17	0		G		D,S	S,So	Belly River (Pale Beds)	(GSC-I)
NW	5	6	6			D	48s	2820	18	8				D,S	S	Glacial grey quicksand	0-15 dark gr & cl, 15-18 quicksand (GSC-I)
SW	7	6	6			D		2940	53	45				D,S	H,A	Pale Beds	0-15 yellow cl, 15-53 hard sandy sh (GSC-I)
SW	7	6	6	O. Dube	1961	Dr	4 1/2c		259	40	210-259	20	120		S	Coal	0-85 sandy cl?, 85-195 blue cl, 195-210 brown cl, 210-259 sh & coal; gas present
SW	7	6	6		1917	D			19	10	19,15			D,S	H	Sd	

Water-Well Records, West of the Fourth Meridian (Cont'd.)

Location West of 4th Mer. Lsd or 1/4	Sec.	Tp.	R.	Driller	Year drilled	Type of well	Hole diam. (in.)	Surface elev. (ft.)	Well depth (ft.)	Water depth (ft.)	Aquifer depth (ft.)	Yield or test rate (gpm)	Test results Drawdown or recovery (ft.)	Time (min.)	Use	Quality	Aquifer	Lithologic log, chemical analysis, and remarks
SW	7	6	6		1917	D			41	17	18,37	G			D	S	Sd	0-37?, 37-41 sd
SW	7	6	6		1916	D			33	26	29				D,S	H		0-29?, 29-33 sandy
	7	6	6	Foremost	1952	Dr	2		972		F	G			S	S	Milk River ss	(GSC-I)
SW	7	6	6	Midland	1949	Dr	3,2c		970		30				S	S	Lower Milk River ss	(GSC-I)
11	10	6	6			Dr		3124										Resistivity data shows permeability in the Milk River zone and no indication of fresh water below approx. 210 ft.
NW	13	6	6		1909		36s		12	11	11				D	S	Sd	0-11?, 11-12 sd
NW	13	6	6		1910	D	36c		12	4	4				S	H	Gr	0-4?, 4-12 gr
SE	13	6	6			D	48c	3130	30	28					S	H,A	Glacial sd	0-10 yellow cl, 10-30 sd (GSC-I)
SE	14	6	6			Dr	8	3150	140	90					D,S	S,So	Dark cl	44°F (GSC-I)
SW	18	6	6		1961	Dr	4 1/2		265	60	250-265	5	0	14280	D,S	S,Su	Sh & coal	0-90 brown cl, 90-210 blue cl, 210-250 brown cl, 250-265 sh & coal
SW	18	6	6			D		2990	28	4		G			D	S	Pale Beds	0-14 yellow cl, 14-28 yellow sandy sh, bottomed in blue cl (GSC-I)
SE	18	6	6			D	72c	2900?	12	0		G			D,S	S	Alluvium	0-12 cl & gr (GSC-I)
SE	18	6	6			D	48s	2980	18	7		G			D,S	S	Glacial gr	0-18 gr, bottomed in cl (GSC-I)
NE	23	6	6			D	48c	3350	11	4		G					Glacial dr	0-4 cl, 4-11 stones (GSC-I)
SW	23	6	6			D	48s	3370	4	0		G			D,S	H,A	Glacial gr	0-4 cl (GSC-I)
SW	25	6	6			Dr	10	3180	140	76		G			S	S,So	Pale Beds	0-60 yellow, 60-140 sandy sh, coal at 80 & 100 ft. (GSC-I)
NW	28	6	6			D		3310	12	6		G			D,S	H	Glacial sd	0-12 sd (GSC-I)
SW	31	6	6			Dr		3080	305	145		G			S	S,So	Pale Beds	0-80 yellow cl, 80-305 sh & ss layers (GSC-I)
NE	1	6	7		1915	D			25	16	18				D,S	H,A	Sd	0-18 sandy loam, 18-25 sd
SE	1	6	7		1910	D			25	15	25				D,S	S		0-23 cl, 23-25 sd
SE	1	6	7			D		2860	30			G				H	Glacial sd	(GSC-I)
NW	1	6	7			D			10	3					D,S	H		43°F (GSC-I)
NE	1	6	7			D	48s	2900	24	19		G			D,S	H,A	Pale Beds	0-24 sd (GSC-I)
SW	2	6	7		1917	Dr	5	2880	120	90		G			N	S,So	Pale Beds	Caved in (GSC-I)
NE	3	6	7			D	48s	2880	22	18					D,S	S	Glacial cl	Bottomed in cl (GSC-I)
SW	3	6	7		1930	D	48s	2870	30	18		G			D,S	H,A	Belly River (?)	0-4 soil, 4-18 yellow cl, 18-24 soft ss (GSC-I)
SE	6	6	7		1931	Dr	3,2c	2850	706	F	706	6			D,S	S,So	Belly River ss & Milk River ss	0-175 cl & sd, 175-685 soft sh, Pakowki, 685-706 Milk River ss; gas present, 51°F (GSC-I)
SW	6	6	7	Midland	1947	Dr	2		750	F		G			S	S	Lower Milk River ss	(GSC-I)
SW	6	6	7	Midland	1949	Dr	2		933			G			S	S	Lower Milk River ss	(GSC-I)
NE	8	6	7		1916	D			28	22	28				D	S		0-28 cl; can be drawn dry in 4 hours
NE	9	6	7		1924	Dr	6	2900	145			<1			D,S	H,A	Belly River ss	48°F (GSC-I)

NW	10	6	7		1933	D	48s	2860	9	5		G			D, S	H, A	Glacial quicksand	0-5 cl, 5-9 quicksand (GSC-I)
NE	12	6	7			D	48s	2970	25	17		G			D, S	H, A	Pale Beds	0-17 cl, 17-25 ss; 43°F (GSC-I)
NE	12	6	7		1919	D			25	19	20	7.5	4	1	D, S	H, A		0-20 cl, 20-25 sd
SW	13	6	6	O. Dube	1961	Dr	4 1/2c		245	60	225-245	5	10	2880		S, Su		0-75 brown cl, 75-143 blue cl, 143-223 brown cl, 223-243 sh & coal
SE	14	6	7	O. Dube	1961	Dr	4 1/2c		205	40	183-205	5	10	2880	D, S	S	Sd & gr	0-100 brown cl, 100-190 blue cl, 190-205 sd & gr; gas present
NW	14	6	7		1934	D		2920	12			P			S	H, A	Glacial gr	0-12 gr (GSC-I)
SE	16	6	7			D	48s	2890	20			G			S	H, So	Glacial sd	0-20 cl (GSC-I)
SW	18	6	7	Foremost	1954	Dr	2c		983			G			D, S	S	Lower Milk River ss	(GSC-I)
NW	20	6	7	Foremost	1954	Dr	3,2c		833			G			S	S	Lower Milk River ss	(GSC-I)
	22	6	7			Dr		2972	900+									Resistivity data seems to show Milk River formation thinning in this easterly direction.
SE	22	6	7			B	48s	2950	40	35		G			D	H, A	Glacial cl	0-8 sandy soil, 8-40 cl (GSC-I)
SW	23	6	7			D		2950	14		14	P			D, S	H, A	Glacial gr	0-14 cl, bottomed in gr (GSC-I)
SW	23	6	7			D		2950	36	32		P			S	H, A	Glacial sd	0-32 cl, 32-36 sd, bottomed in soft mud (GSC-I)
SW	25	6	7			Dr	5	3050	200	100					D, S	S, So	Pale Beds	Not now used (GSC-I)
SE	31	6	7			Dr	3,2c	2800	730	+6		G			D, S, lr	S, So	Milk River ss	710-730 ss; gas present (GSC-I)
SE	34	6	7		1930	D	48c	2910	12	8		G			D, S	H, A	Glacial sd	(GSC-I)
SW	36	6	7		1961	Dr	4 1/2c		320	80	305-320	2.5	145	2880	D	S, Su	Ss	0-105 sandy brown cl & sanskrit, 105-205 blue cl, 205-305 brown cl, 305-320 ss; gas present
SE	36	6	7			Dr	6	3090	150			G			D, S	H, A	Pale Beds	(GSC-I)
NE	36	6	7			D		3060	20	10		G			D, S	H, A	Glacial sd	(GSC-I)
SW	6	6	8			D	48c	2970	13	0		G			D, S	H	Glacial sd	0-3 soil, 3-13 sd (GSC-I)
NE	7	6	8			Dr		2990	721	F		12			D, S, lr	S, So	Lower Milk River ss	143 br, 143-662 hard & soft sh, 662-680 Upper Milk River ss, 680-688 rock, 688-720 Lower Milk River sd; gas present (GSC-I)
	8	6	8	R. Medhurst	1949	Dr	2c		720	F	680-700	30			D, S	S	Milk River ss	(GSC-I)
SW	14	6	8			D	48c	2950	15	0		G			S	H, A	Glacial cl	0-15 grey cl (GSC-I)
SE	15	6	8			D		2950	16	0		G			D, S	H	Glacial sd	Water level varies with water level of slough.(GSC-I)
SW	16	6	8			D		2940	14	2		G			D, S	H	Glacial sd	0-14 cl, bottomed in sd; water level varies with water level of slough.(GSC-I)
SE	17	6	8			B	24	2960	49	8		P			S	H, A	Glacial cl	0-49 blue cl (GSC-I)
SE	21	6	8			D	48s	2880	21	5		G			D, S	H, A	Glacial cl	0-21 cl; seepage well (GSC-I)
NW	23	6	8	Midland	1947	Dr	2c		650	F		G			S	S	Lower Milk River ss	(GSC-I)
SE	25	6	8	Foremost	1952	Dr			740	F		G				S	Milk River sands	(GSC-I)
SW	27	6	8	E. Kiengle	1956	Dr	5c		790			G			D	S	Lower Milk River ss	(GSC-I)
SW	30	6	8			D	48c	2960	30	28					N	H, A	Glacial sandy cl	Filled in (GSC-I)
NW	32	6	8			D	48c		22	0		P			D, S	H, A	Glacial sandy cl	0-22 cl with sandy layers; water level varies with water level of slough.(GSC-I)
SW	34	6	8	Midland	1947	Dr			700	F		G			D, S	S	Lower Milk River ss	(GSC-I)

Water-Well Records, West of the Fourth Meridian (Cont'd.)

Location West of 4th Mer. Lsd or 1/4	Sec.	Tp.	R.	Driller	Year drilled	Type of well	Hole diam. (in.)	Surface elev. (ft.)	Well depth (ft.)	Water depth (ft.)	Aquifer depth (ft.)	Yield or test rate (gpm)	Test results Drawdown or recovery (ft.)	Time (min.)	Use	Quality	Aquifer	Lithologic log, chemical analysis, and remarks
SW	34	6	8			D		2765	14	5		G			D, S	H	Glacial quicksand	0-10 cl, 10-14 quicksand (GSC-I)
SE	2	6	9		1929	Dr	2	2880	721		721	16			D, S	S, So	Milk River ss	0-145?, 145-660 Pakowki, 660-712 Milk River; 52°F (GSC-I)
SW	12	6	9		1929	Dr	2	2860	729		729	10			D, S	S, So	Milk River ss	0-160?, 160-662 Pakowki, 662-729 Milk River (GSC-I)
SE	14	6	9		1918	Dr		2893	718	F	687	5.5				S	Milk River ss	(GSC-I)
NE	14	6	9		1918	Dr	6,3			+15	718	3			D, S	S, So	Milk River ss	52°F (GSC-I)
NW	23	6	9	Midland	1950	Dr	3,2c		841	F		G			D, S	S	Lower Milk River ss	(GSC-I)
	23	6	9	E. Kiengle	1955	Dr	3,2c		800	15		G			D, S	S	Lower Milk River ss	(GSC-I)
NE	24	6	9	Midland	1948	Dr	3,2c		790	F		G			S	S	Lower Milk River ss	(GSC-I)
5	32	6	9	Medhurst	1949	Dr	3,2c		780	F	730	25			D, S, Ir	S	Milk River ss	(GSC-I)
	33	6	9			Dr		2865										Resistivity log shows Milk River sands from approx. 742-900.
SW	36	6	9	Foremost	1952	Dr	2c		833						D	S	Lower Milk River ss	
SE	4	6	10	Foremost	1957	Dr	2c		740	F	600-740	3					Milk River ss	
SE	4	6	10	Foremost	1957	Dr	2c		740	F	640-740	25			D		Milk River ss	
	5	6	10			Dr		2225	260		70, 260				P		Foremost	
NW	7	6	10		1930	Dr	2	2880	909	85	909	G			D, S	S, So	Milk River ss	0-816 Pakowki, 816-909 Milk River ss; 47°F (GSC-I)
NE	8	6	10		1923	Dr	6		900	100	900	G			D, S	S, So	Milk River ss	Dr, Belly River, Pakowki; 52°F (GSC-I)
SE	9	6	10		1929	Dr	2	2940	850	20	850	G			D, S	S, So	Milk River ss	Dr, Foremost, Pakowki; 48°F (GSC-I)
NE	10	6	10		1930	Dr	2	2980	889	25	889	G			D, S	S, So	Milk River ss	0-140 Belly River (Foremost), 140-760 Pakowki, 760-808 Milk River ss; 52°F (GSC-I)
SE	10	6	10			D	48s	2970	20	10	20	G			D, S	H	Foremost	Sd, dr; 46°F (GSC-I)
NW	14	6	10		1918	Dr	2	2950	740	F		G			D, S	S, So	Milk River ss	Dr, Foremost, Pakowki; 50°F (GSC-I)
NW	16	6	10			Dr	2	2900	785	F		G			D, S	S, So	Milk River ss	Dr, Foremost, Pakowki; 52°F (GSC-I)
4	22	6	10	Southern Alberta	1959	Dr	6 3/4, 4 3/4		760	40	0-30	G			D	S	Milk River ss	0-760 Milk River ss?
3	23	6	10	Foremost	1951	Dr	3,2c		751			G			S	S	Milk River ss	(GSC-I)

	23	6	10		Dr		2884			700-850				Milk River ss	
SW	23	6	10	1929	Dr	2	2930	808	F	808	12	D,S	S,So	Milk River ss	0-140 Belly River (Foremost), 140-760 Pakowki, 760-808 Milk River ss; 48°F (GSC-I)
NE	23	6	10	1926	Dr	2	2810	675			6	S	S,So	Milk River ss	Dr, Foremost, Pakowki; original yield was 15 gpm (GSC-I)
SE	29	6	10	1932	Dr	2	2800	670	F	670	35	D,S	S,So	Milk River ss	0-140?, 140-530 Pakowki, 530-670 Milk River ss; 52°F (GSC-I)
SE	32	6	10	1929	Dr	2	2675	525	F	525	3	D,S	S,So	Milk River ss	0-257?, 257-500 Pakowki, 500-525 Milk River ss; original yield was 100 gpm (GSC-I)
SE	1	6	11	1923	Dr	14, 10, 8 1/4	3013	2191	235	768	2.3			Milk River ss	0-80 surface?, 80-670 Pakowki, 670-810 Milk River, 810-2159? Benton, 2159?-2191 Blairmore (GSC-I)
SW	1	6	11		D			18	6			D,S	H	Sd & gr	(GSC-I)
8	2	6	11	1925	Dr	14, 10, 8, 6	3048	2210		300				Milk River ss	0-750?, 750-840 Milk River, 840-2197 Colorado, 2197-2210 Dakota (Blairmore); gas well (GSC-I)
SW	3	6	11		D	48s		28	7				H	Glacial	45°F (GSC-I)
SW	4	6	11	1918	Dr		2970	715	50	715	G	D,S	S,So	Milk River ss	0-120 dr, sh with coal streaks & marine shells, 120-715 grey sh (GSC-I)
NE	6	6	11	1914	D	54s	2990	114	D					Foremost	0-90 cl, stones & coal, 90-114 blue cl (GSC-I)
NE	9	6	11	1920	Dr	2	2930	700	20			D,S	H,A, I	Milk River ss?	Flowed at one time (GSC-I)
NW	11	6	11		Dr		2945	62	58			D	H,A	Glacial cl	(GSC-I)
8	12	6	11	1924	Dr	18, 14, 10, 8 1/4, 6 1/4	3070	2252		395				Foremost?	0-770 Foremost & Pakowki, 770-890 Milk River, 890-2252 Colorado (GSC-I)
E 1/2	12	6	11	1930	D	36 x 48	2925	17	13		P	D,S	H	Glacial dr?	0-14 dr, 14-17 fine brown sd, likely Foremost in dr; 42°F (GSC-I)
SW	13	6	11	1918	Dr	2	3020	780	60		G	D,S	S,So	Milk River ss	0-770 Foremost & Pakowki, 770-780 Milk River (GSC-I)
SW	14	6	11	1925	Dr	18, 14, 10, 8	3038	2215		750				Milk River ss	0-720 dr, Foremost, Pakowki, 720-865 Milk River, 865-2175 Colorado, 2175-2215 Dakota; gas well (GSC-I)
	16	6	11		Dr		2922	724				D,S	S,So	Milk River ss	0-90 dr, 90-650 Pakowki, 650-724 Milk River; has another 500 ft. deep dry hole (GSC-I)
NW	16	6	11	1918	Dr	3,2c		647	+16	644	4.5	D,S, P	S,So	Sd	
NW	17	6	11	1917	Dr	3,2c		672	+12	635	5	D,S	S,So	Soft sd	
16	17	6	11				2915	750	190			O		Lower Milk River ss	Recorder installed on November 20, 1956.
NW	18	6	11	1917	Dr	3,2c	2930	760	70	760	G	D,S	S,So	Milk River ss	42°F (GSC-I)
SE	19	6	11	1909	D	48s	2910	40	36	40		N	H	Foremost (Belly River sd)	0-40 cl, with stones & 6 in. coal (GSC-I)
	20	6	11		Dr		2922	760		615-760	33		S,So	Milk River ss	0-71 yellow cl, 71-74 blue cl & sh, 74-90 cl & stones, 90-359 Foremost, 359-625 Pakowki, 625-760 Milk River (GSC-I)
	20	6	11		Dr			725	+30		4.9				
	20	6	11		Dr			647	+30	420, 640	3	P	S,So	Cl	

Water-Well Records, West of the Fourth Meridian (Cont'd.)

Location West of 4th Mer. Lsd or 1/4	Sec.	Tp.	R.	Driller	Year drilled	Type of well	Hole diam. (in.)	Surface elev. (ft.)	Well depth (ft.)	Water depth (ft.)	Aquifer depth (ft.)	Yield or test rate (gpm)	Test results Drawdown or recovery (ft.)	Time (min.)	Use	Quality	Aquifer	Lithologic log, chemical analysis, and remarks
4	24	6	11		1926	Dr		2968	2157									0-20 surface, 20-195 Foremost, 195-680 Pakowki, 680-825 Milk River (GSC-I)
SW	24	6	11			D	24c	2860	8	F		G			D,S	S	Foremost	0-8 Alluvium; 42°F (GSC-I)
SW	28	6	11	R.Medhurst	1949	Dr	2c		800	F	750-800	5			D,S	S	Milk River ss	(GSC-I)
W 1/2	33	6	11		1917	Dr	2c	2880	649	+90	649				D,S	S,So	Milk River ss	0-140 dr, 140-260 Foremost, 260-649 grey sh (GSC-I)
SW	35	6	11		1917	Dr	2c	2620	600	+4		G			D,S	S,So	Foremost, Pakowki	
SW	1	6	12		1936	D	36x60		18	6					D,S	H	Gr & sd	(GSC-I)
NW	11	6	12			Dr	6	2945	62	58		G			D	H,A	Glacial cl	0-62 cl (GSC-I)
16	11	6	12	Foremost	1954	Dr	5,4c		750			G			D,S	S	Lower Milk River ss	(GSC-I)
N 1/2	18	6	12		1931	Dr	2	2950	690	25		G			D,S	S,So	Milk River ss	42°F (GSC-I)
	31	6	12					2876			600-680						Milk River sands	
NE	13	6	13			D	48s	2960	20	15	20	P			D,S	H	Glacial sd	42°F (GSC-I)
SE	15	6	13			Dr	3	3020	700	60	700	G			D,S	S,So	Milk River sd	42°F (GSC-I)
NE	16	6	13		1926	Dr	2	3025	704	10	675	G			D,S	S,So	Milk River sd	0-120 dr, 120-200 ss, 200-675 dark sh, 675-704 dark brown hardpan, Milk River sands; flowed for two years (GSC-I)
SE	19	6	13		1934	Dr	4	2970	700	9	700	G			D,S	S,So	Milk River ss	0-130 dr, 130-200 Foremost, 200-700 dark sh (GSC-I)
NW	23	6	13		1934	Dr	2	2980	700	20	700	G			D,S	S,So	Milk River	(GSC-I)
SE	24	6	13	Foremost	1951	Dr	3,2c		720			G			S	S	Lower Milk River ss	(GSC-I)
SE	25	6	13	Midland	1948	Dr	3c		752	70		G			D	S	Lower Milk River ss	(GSC-I)
SE	25	6	13			Dr		2970	690	40	690	G			D,S	S,So	Milk River ss	0-100 dr, 100-200 Foremost, 200-690 Pakowki sh? (GSC-I)
SE	26	6	13			Dr	2	2985	700	50	640	G			D,S	S	Milk River sd	42°F (GSC-I)
SE	26	6	13	Midland	1949	Dr	3,2c		753	160		G			D	S	Lower Milk River ss	(GSC-I)
SW	30	6	13		1927	Dr	2	2970	670	+4	670	G			D,S	S,So	Milk River ss	0-110 dr, 110-225 Belly River, 225-670 dark sh Pakowki (GSC-I)
SW	33	6	13		1926	Dr	2	2957	702	45		4			D,S	S,So	Milk River sd	0-150 dr, 150-?; 42°F (GSC-I)
SW	3	6	14	Foremost	1952	Dr	3,2c		831			G			D,S	S	Lower Milk River ss	(GSC-I)
SW	13	6	14			S		2960				G			S	H	Glacial gr	(GSC-I)
SW	14	6	14		1929	Dr	3	3030	750	50	625	G			D,S	S,So	Milk River sd	0-125 dr, 125-225 Foremost, 225-625 Pakowki, grey sh, 625-750 hard brown mud pan? (GSC-I)

NW	17	6	14		1934	D			18				D,S	H	Glacial sd	46°F (GSC-I)
	18	6	14	Midland	1952	Dr	3,2c		841			G	D,S	S	Lower Milk River ss	(GSC-I)
8	21	6	14		1943	Dr			711	F	616	4.5				(GSC-I)
NE	21	6	14		1929	B	24	2990	26	8		<1	D	H	Glacial gr	0-8 gumbo, 8-12 gr, 12-24 gumbo, 24-26 quicksand (GSC-I)
NW	26	6	14		1921?	Dr		2949	683	F		G			Milk River ss	Foremost, Pakowki, Upper Milk River (GSC-I)
NW	26	6	14		1922	Dr	2	2960	680	+10		3	D,S	S, So, Su	Milk River ss	Belly River (Foremost), Pakowki; hydrogen sulfide odor (GSC-I)
15	7	6	15	Midland	1950	Dr	3,2c		750			G	D,S	S	Lower Milk River ss	(GSC-I)
	8	6	15					3124								Resistivity log shows ss permeability from approx. 700-825.
NW	12	6	15			Dr	6	3075	250	3		G	S	H,A	Glacial dr	(GSC-I)
NE	13	6	15			D	48s	3085	25	21		G	D,S	H	Glacial cl	(GSC-I)
	13	6	15			D			22	9		<1	D,S	H	Glacial quicksand	47°F (GSC-I)
E 1/2	24	6	15			D	48s	3060	25	21		P	D,S	H	Glacial cl	0-25 blue cl (GSC-I)
	32	6	15			Dr		3080	420		420?	P	D,S	S, So	Foremost?	41°F (GSC-I)
SE	33	6	15		1927	Dr	6	3080	736	60		G	D,S	S, So	Milk River ss	Belly River, Pakowki (GSC-I)
SE	36	6	15			Dr	18, 12 1/2, 8 1/4	3019	3295	200	608, 685-700	G			Milk River	0-190 dr, 190-700 Belly River, 700-1000 Milk River, 1000-2650 Benton, 2650-3288 Ellis, 3288 sulfur water, 3288-3295 Madison (GSC-I)
NW	5	6	16		1911	Dr	6c	3127	272	60		G	S	S, So	Belly River	(GSC-I)
SW	5	6	16			D		3169	35	29			S	H	Glacial sd	(GSC-I)
NE	6	6	16		1910	Dr	6c	3127	276	50			S	S, So	Belly River	(GSC-I)
NE	19	6	16		1932	D		3118	21	18			D,S	H	Glacial dr	(GSC-I)
NW	24	6	16		1932	Dr	6c	3080	222	50		G	D,S	S, So	Belly River	180 thin layer of ss (GSC-I)
	25	6	16	Midland	1950	Dr	3,2		920			G	D,S	S	Lower Milk River	(GSC-I)
	25	6	16	Midland	1950	Dr	3,2		920			G	D,S	S	Lower Milk River ss	(GSC-I)
SW	26	6	16		1933	D		3099	16	13			D,S	H	Glacial dr	(GSC-I)
SW	28	6	16		1933	D	42s	3102	12	10			D,S		Glacial dr	(GSC-I)
SW	29	6	16		1932	D	48s	3106	20	14			S	H	Glacial dr	(GSC-I)
SW	30	6	16		1933	D	48s	3118	25	19			D,S	H	Glacial dr	(GSC-I)
SW	31	6	16		1934	D	48s	3123	25	19			D,S	H	Glacial dr	(GSC-I)
NW	33	6	16		1934	D	48s	3114	40	37		P	S	H	Glacial sd	(GSC-I)
SW	36	6	16		1934	D	48s	3090	20	16			D	H	Glacial dr	(GSC-I)
SW	1	6	17		1919	Dr	6c	3128	610	D					Milk River ss	(GSC-I)
11	2	6	17		1943	Dr			825	165		>1	S	S	Glacial quicksand	(GSC-I)
NE	3	6	17		1920	Dr	6c	3112	52	5		G			Glacial dr	Bottomed in quicksand (GSC-I)
NE	4	6	17		1918	D	36s	3105	20	10		G	D,S	H	Glacial dr	(GSC-I)
NW	4	6	17		1910	D	48s	3134	22	15		G	D,S	H	Glacial dr	(GSC-I)
NW	5	6	17	Midland	1947	Dr	8,7c		900	150	700-900	G	D,S	S	Lower Milk River ss	(GSC-I)
SW	5	6	17		1915	D	36c	3169	35	29			S	H	Glacial sd	

Water-Well Records, West of the Fourth Meridian (Cont'd.)

Location West of 4th Mer. Lsd or 1/4	Sec.	Tp.	R.	Driller	Year drilled	Type of well	Hole diam. (in.)	Surface elev. (ft.)	Well depth (ft.)	Water depth (ft.)	Aquifer depth (ft.)	Yield or test rate (gpm)	Test results Drawdown or recovery (ft.)	Time (min.)	Use	Quality	Aquifer	Lithologic log, chemical analysis, and remarks
NW	5	6	17		1911	Dr	6c	3188	152	35		G			D, S	S	Pale Beds	0-20 soil, 20-60 cl & boulders, 60-150 sh, 150-152 gr (GSC-I)
SE	6	6	17		1926	Dr	6c	3169	83	40	27	>1			S	H, I	Glacial sd & gr	0-2 topsoil, 2-12 cl & boulders, 12-65 blue gumbo with a pocket of sd (GSC-I)
SW	6	6	17		1911	Dr	6c	3184	105	50		G			S	S, So	Belly River	(GSC-I)
13	6	6	17	Midland	1947	Dr	3,2c		960	170	705	G			D, S	S	Lower Milk River ss	(GSC-I)
SE	11	6	17		1934	Dr		3125	45	39					N	H, A	Pale Beds	0-2 topsoil, 2-35 glacial cl, 35-45 brown sh, 45 ss; water is bitter and slow to recover (GSC-I)
NW	12	6	17		1930	Dr	6c	3141	377	100	200	P			S	S, So	Belly River	(GSC-I)
SW	12	6	17		1930	Dr	6c	3125	355	220					N	S, So	Belly River	0-35 cl; practically a dry hole (GSC-I)
NW	14	6	17		1913	D	36c	2982	17	16		P			D	H	Recent alluvial sd	(GSC-I)
SE	15	6	17		1910	D	42c	3068	12	10		P			D	H	Recent alluvial sd	(GSC-I)
SE	16	6	17		1915	D	48s	2993	16	12					D, S	H	Glacial dr	(GSC-I)
SE	18	6	17		1918	Dr	6c	3115	64	7					S	H, A	Glacial dr	(GSC-I)
NW	21	6	17			D	48s	3113	20	18		G			D, S	H	Glacial dr	Beside a slough, seepage well (GSC-I)
NE	22	6	17		1911	D	48s	3108	20	16					D, S	H	Glacial dr	(GSC-I)
NW	22	6	17		1928	Dr	6c	3120	150	30					D, S	S, So	Belly River	(GSC-I)
NW	24	6	17		1920	D	48s	3136	20	17					D, S	H	Glacial dr	(GSC-I)
SW	25	6	17		1908	D	36c	3117	60	40					D, S	H, I	Glacial quicksand	(GSC-I)
NW	25	6	17		1935	D	48s	3125	15	13					D, S	H	Glacial dr	(GSC-I)
SE	26	6	17		1910	D	72c	3124	20	10		G			D, S, P	S	Glacial sd	(GSC-I)
NE	27	6	17		1935	D	48s	3142	16	9					D, S	H	Glacial sd	0-9 cl, 9-16 sd lenses (GSC-I)
SE	28	6	17		1938	D	48s	3119	20	17		G			D, S	H	Glacial dr	(GSC-I)
SE	30	6	17		1911	D	48s	3000	16	12		G			D	H	Recent alluvial sd	(GSC-I)
SW	31	6	17		1916	D	48s	3113	20	19		G			D	H	Glacial dr	(GSC-I)
SE	32	6	17		1923	D	48s	3101	36	25					D, S	H	Glacial sd	(GSC-I)
NW	32	6	17		1916	D	78c	3134	22	19					D, S	H	Glacial dr	(GSC-I)
NE	33	6	17		1932	D	48s	3138	17	13					D	H	Glacial dr	Seepage well (GSC-I)
SW	34	6	17		1935	D		3162	60	D								(GSC-I)
NE	34	6	17		1918	Dr	6c	3117	175	40	170	G			D, S	S, So	Belly River	(GSC-I)
	36	6	17	W. Maughan	1954		3 1/2, 4 1/2c		400			G			P	S	Milk River sd	(GSC-I)
SW	4	6	18		1908	D		3222	44	30					S	H, A	Belly River	40-44 sh (GSC-I)
SW	7	6	18		1930	D		3133	30	12					N	VH	Pale Beds	Water bitter (GSC-I)
NW	11	6	18		1919	Dr	6c	3179	140	36		G				S, So	Pale Beds	20 br, ss (GSC-I)
SW	13	6	18		1911	Dr	6c	3186	140	34		G			D, S	S, So	Pale Beds	20 br, ss (GSC-I)
SW	14	6	18		1928	Dr	6c	3184	145	35		G			D, S	S, So	Pale Beds	2 br, ss (GSC-I)
SW	15	6	18		1910	Dr	6c	3157	140	30					D, S	S, So	Belly River	(GSC-I)
SW	16	6	18		1909	Dr	6c	3154	140	40	92	<1			D	S, So	Pale Beds	(GSC-I)

NW	20	6	18		1932	Dr	6c	3117	90	50		G	D,S	S	Pale Beds	(GSC-I)
SW	25	6	18			Dr		3157	140	30		G	D,S	S,So	Pale Beds	Water has recently gone bad.(GSC-I)
SW	26	6	18		1917	Dr	6c	3075	140	26		G	D,S	S,So	Belly River	(GSC-I)
NW	31	6	18		1916	D		3030	30	16			D	H	Pale Beds	(GSC-I)
	33	6	18		1917	Dr			217	28		G			Glacial	(GSC-I)
NW	35	6	18		1934	D	48s	3066	20	14			D	H	Glacial cl	(GSC-I)
SE	6	6	19		1920	D	48s	3190	30	15			S	H	Belly River	(GSC-I)
NW	10	6	19		1919	Dr	6c	3148	150			G	N	VH	Belly River	(GSC-I)
SW	10	6	19		1930	D	48s	3176	6	3		G	S	S	Belly River	(GSC-I)
SW	16	6	19		1923	D		3126	35	30			N	S,So	Belly River	Caved in (GSC-I)
NW	16	6	19		1913	D	48s	3113	25	20			S	S	Belly River	Water very bitter (GSC-I)
SW	17	6	19		1931	D	48c	3107	12	6			N		Belly River	Water very bitter (GSC-I)
14	19	6	19	Skyline	1958	Dr	4c		60	F	53-60	1	S	H		0-48 cl, 48-53 gr, 53-57 sh, 57-60 ss
NW	32	6	19		1909	Dr		3042	40	30		<1	D,S	S,So	Belly River	(GSC-I)
NW	35	6	19		1915	Dr		3205	210	D						Gas at 210 ft.
SW	1	6	20		1920	D	36s	3225	26	8		G	D,S	H	Glacial cl	(GSC-I)
SW	3	6	20		1925	Dr	6c	3251	250	100			D,S	S	Belly River	46°F (GSC-I)
SW	6	6	20		1919	Dr	6c	3225	50	0		G	D,S	S	Belly River	46°F (GSC-I)
NE	9	6	20		1931	Dr	6c	3140	120	14		G	D,S	S,So	Belly River	100 ss (GSC-I)
NW	10	6	20		1930	Dr		3250	150	35		G	D,S	S	Belly River	38 ss (GSC-I)
SE	12	6	20		1907	D		3180	65	60		P	D,S	S	Belly River	(GSC-I)
	16	6	20			Dr		3132	970+							Resistivity data shows 800-850 permeable Milk River ss.
NW	16	6	20		1931	Dr	4	3129	160	5		P	D,I	H,A	Belly River	Total solids 2258, alkalinity 320, magnesium sulfate 261, calcium chloride 81 (GSC-I)
SE	21	6	20		1925	Dr	6c	3132	121	71		16.7	D	H,A		Total solids 2420, sodium sulfate 1725, sodium carbonate 560, sodium chloride 56, magnesium sulfate 975, calcium chloride 34, calcium carbonate 76, magnesium carbonate 10, alkalinity 616 (GSC-I)
SW	26	6	20		1908	D	36c	3135	60	35			D,S	H,A	Belly River	40 ss; water very laxative (GSC-I)
SW	28	6	20	M.R. Hall	1964	Dr			160	F		3				0-16 brown cl, 16-22 brown sandy till, 22-43 ?, 43-45 blue till, 45-47 medium gr, 47-49 blue till, 49-51 medium gr, 51-57 blue till, 57-65 medium gr, 65-94 sandy blue till, 94-102 sandy grey till, 102-125 sandy blue till, 125-131 coarse gr, 131-138 grey bedrock sd, 138-160 sh
SW	29	6	20		1880	D		3091	10	8		G	D	H	Glacial gr	(GSC-I)
SW	30	6	20		1916	D		3127	60	56		P	D,S	H	Glacial sd	(GSC-I)
NE	31	6	20	M.R. Hall	1964	Dr			180							0-16 brown cl, 16-56 brown till, 56-117 blue till with very small gr streaks, 117-118 medium gr, 118-153 blue till, 153-157 very coarse gr, 157-166 bedrock, very fine sd, 166-180 brown sh
NE	34	6	20	M.R. Hall	1964	Dr			38							0-8 brown sandy cl, 8-12 sandy blue till, 12-13 coarse sd & gr, 13-27 sandy brown cl, 27-31 sandy yellow cl, 31-35 sandy green cl, 35-38 grey ss
SE	35	6	20		1906	B		3033	65	40		P	D,S	H	Belly River	
NE	3	6	21		1916	Dr	6	3180	297				N	H	Belly River ?	Water is bitter (GSC-I)
SE	7	6	21		1910	Dr	6	3189	140	80		<1	D	S,So	Blood Reserve ss	138 ss; 46°F (GSC-I)

Water-Well Records, West of the Fourth Meridian (Cont'd.)

Location West of 4th Mer. Lsd or 1/4	Sec.	Tp.	R.	Driller	Year drilled	Type of well	Hole diam. (in.)	Surface elev. (ft.)	Well depth (ft.)	Water depth (ft.)	Aquifer depth (ft.)	Yield or test rate (gpm)	Test results Drawdown or recovery (ft.)	Time (min.)	Use	Quality	Aquifer	Lithologic log, chemical analysis, and remarks
NE	14	6	21		1915	Dr	6	3110	210	140		G			D,S	H	Blood Reserve ss	200 ss; not used now (GSC-I)
SW	18	6	21		1914	Dr	6	3175	139	100		G			D,S	H,I	Blood Reserve ss	139 ss (GSC-I)
NW	19	6	21		1914	Dr	6	3160	142	100		G			D,S		Blood Reserve ss	(GSC-I)
SE	25	6	21		1919	Dr	6	3099	91	20		G			D,S	S	Blood Reserve ss	76 ss; 46°F (GSC-I)
SW	26	6	21		1910	Dr	6	3095	100	60		G			D,S	S	Blood Reserve ss	100 ss; 46°F (GSC-I)
SE	27	6	21		1916	Dr	6	3101	133	40	42, 96, 133	G			D,S	S,So	Blood Reserve ss	42 ss; 46°F (GSC-I)
SW	30	6	21		1916	Dr	6	3133	35	6		G			D,S	H	Blood Reserve	35 ss (GSC-I)
SW	4	6	22		1903	D	48s	3231	12	5		G			D,S	S,A	Glacial gr	(GSC-I)
SW	4	6	22			Dr	4c		90	88					N		Sd & gr	88-90 sd & gr; mineral content in water
NE	5	6	22		1903	D	48s	3231	12	3		G			D,S	S	Glacial gr	Not used now (GSC-I)
NW	5	6	22		1917	Dr	6	3264	180	100		G			D,S	H,I	Blood Reserve	(GSC-I)
NW	6	6	22		1906	Dr	6	3304	50	20		G			D,S	H	Blood Reserve	45°F (GSC-I)
SE	8	6	22		1914	Dr	6	3222	120	100		G			D,S	H	Blood Reserve	Sand shut off supply (GSC-I)
NE	8	6	22		1919	Dr	6	3219	127	30		G			D,S	S,So	Blood Reserve	120 ss (GSC-I)
NE	9	6	22		1931	Dr	6	3219	127	50		G			D,S	H	Blood Reserve	114 ss; water is laxative, 46°F (GSC-I)
SW	11	6	22		1932	Dr		3223	204	150		<1			S	S,So	Blood Reserve	117 ss; 46°F (GSC-I)
SW	13	6	22		1918	Dr	6	3198	181	170		P			D	H,A	Blood Reserve	120 ss (GSC-I)
SE	13	6	22		1909	Dr	6	3169	115	80		G			D,S	H	Blood Reserve	115 ss (GSC-I)
SW	13	6	22			Dr	4c		227		227	4.5			D,S	S		180 rock
SW	14	6	22		1914	Dr	6	3104	186	120		G			D,S	S	Blood Reserve	156 ss, 186 coal; 42°F (GSC-I)
SW	15	6	22		1916	Dr	6	3207	190	120		G			D,S	S,I	Blood Reserve	190 ss; 42°F (GSC-I)
9	17	6	22	Skyline	1958	Dr	5 1/2		355	100	304-355	10	220 -200	30	S	H		0-61 cl, 61-160 sh, 160-163 ss, 163-285 sh, 285-287 coal, 287-300 sh, 300-304 ss, 304-315 sh, 315-320 sd, 320-355 sh; Glauber salts
NE	17	6	22		1914	Dr	6	3242	310	290		<1			D,S	S	Blood Reserve ss	(GSC-I)
NW	20	6	22		1915	D	48c	3168	22	12					D,S	S	Blood Reserve ss	0-10 sh, 10-22 ss (GSC-I)
4	21	6	22	Skyline	1958	Dr	5 1/2		320	50	300-320	10	160 120	20 60	D	H		0-6 gr, 6-48 cl, 48-140 sh, 140-151 ss, 151-250 sh, 250-252 ss, 252-300 sh, 300-304 ss, 304-320 sh; Glauber salts (GSC-I)
	21	6	22			Dr	2		260	100, 160	258	1.5			D,S		Sd & gr	125 rock, 258-260 sd & gr; mineral content in water
NE	22	6	22		1917	Dr	6	3191	165	120					D,S	H	Blood Reserve ss	46°F (GSC-I)
SE	23	6	22		1933	Dr	6	3180	133	90		.5			D,S	H	Blood Reserve ss	133 ss (GSC-I)
SW	24	6	22		1909	Dr	6	3186	165	40		<1			D,S	S	Blood Reserve ss	115 ss (GSC-I)
NW	25	6	22		1918	Dr	6	3155	150	130		<1			D	S	Blood Reserve ss	150 ss (GSC-I)
NE	26	6	22		1918	Dr	5	3155	152	132		G			D,S	H	Blood Reserve ss	142 ss (GSC-I)
SE	28	6	22		1909	Dr	6	3214	160	125		<1			D,S	S,So	Blood Reserve ss	(GSC-I)
SW	28	6	22		1921	Dr	6	3227	297	177		G				S,So	Blood Reserve ss	45°F (GSC-I)
2	29	6	22	Skyline	1958	Dr	5 1/2		385			P						150 br
	32	6	22			Dr			391	D								100 soapstone
16	34	6	22	Skyline	1958	Dr	5 1/2		385	D								0-110 cl, 110-324 sh, 324-367 sd, 367-385 sh
16	34	6	22	D. Ruttan	1964	Dr												0-5 top soil, 5-60 sandy cl, 60-65 gr, 65-90 sandy cl, 90-100 gr, 100-110 sandy cl, 110-112 sd, 112 hard ? blue cl

SE	35	6	22		1915	Dr	6	3140	140	120		<1			D	S, So	Blood Reserve ss	140 ss (GSC-I)
SE	36	6	22		1928	Dr	6	3122	144	100		G			D, S	S, So	Blood Reserve ss	144 ss (GSC-I)
NE	1	6	23			S		3352				G			D, S	S		
12	9	6	24	Skyline	1958	Dr	5 1/2		145	10	97-145	10	70 -70	15 20		S, So		0-94 cl, 94-97 sd & gr, 97-110 sh, 110-145 sh & ss ledges
NW	28	6	24	A.E. Goddard	1954	Dr	6c		109		97	7			D, S			0-15 yellow cl, 15-60 black sh, 60-109 blue sh & bands of ss
	29	6	24	A.E. Goddard	1954	Dr	6c		67	F	67	3			D, S			0-10 cl, 10-67 black sd, 67- ? coarse gr
SW	22	6	25	C. Griffith	1954	Dr	6 5/8, 5c		216		40-80 170-200	7						0-40 cl, 40-80 sd & water, 80-170 cl, 170-200 ss, 200-216 cl
NW	31	6	25		1917	Dr	5 5/8c		130	50	120	1	30	?	D, S	S, So	Gr	110 rock, 110-114 ss, 120-130 gr
	9	6	26		1917	Dr	5 5/8c		247	140	240	<1	40	?	D, S	S		Layer of sh, gumbo, quicksand & gr
E 1/2	16	6	26		1917	Dr	5 5/8c		159	50	150	<1	30	?	D	S		60 rock, 60-90 ss, 150-159 gr
NW	32	6	26		1917	Dr	5 5/8c		120	80	110	<1	30	?	D	S		90-96 ss, 110-120 gr
SW	36	6	26		1918	Dr	5 5/8c		95	40	90	6.3	20	?	D, S	S, So		80 rock, 80-82 ss, 90-95 gr
	2	6	27	Alberta Water Wells	1954	Dr	5c		150		0-25, 50-100				I			0-25 brown cl & water, 25-50 blue cl, 50-55 grey sh & water, 55-100 ss & water, 100-150 blue cl, 150 hard sandy sh & water
E 1/2	5	6	27		1916	Dr	5 5/8c		130	70	120	<1	40	120	D, S	S	Gr	90-115 ss, 120-130 gr
NW	7	6	28		1917	Dr	5 5/8c		175	100	175	<1	69	90	D, S	H		90-105 soft ss, 175 blue cl
SE	18	6	28	W. Maughan	1964	Dr	6		125	32	115	2			D	S		0-48 cl, 48-77 gr, 77-112 sh, 112-118 ss, 118-125 sh
16	12	6	29	W. Maughan	1964	Dr			180	D								0-58 yellow cl, 58-144 blue cl, 144-179 wet silt, 179-180 sh
E 1/2	28	6	29		1916	Dr	5 5/8c		151	98	150	<1	20	?	D, S	S		At 102 ft., thin layers of soft ss & gumbo were encountered.
SW	14	6	30		1915	Dr	5 5/8c		50	15	48		10	?	D, S	S		34 sh & ss, 48 sh
W 1/2	25	6	30		1916	Dr	5 5/8c		130	80	125		20	?	D, S	S		95-115 ss & soapstone, 125-130 soapstone
NW	15	7	1		1930	D			15	7	15	G			D, S	H	Recent alluvial gr & rock	(GSC-I)
NW	18	7	1		1923	D			12	3	12	G			D, S	S	Glacial blue cl	(GSC-I)
SW	19	7	1		1930	D	36s		3	0		G			D	H	Glacial gr	(GSC-I)
NW	20	7	1			D				1		G			D	H	Glacial	Dug out spring (GSC-I)
SE	20	7	1			D	24s		2	0	5	G			D, S	H		Dug out spring (GSC-I)
SE	22	7	1			D	36s		5			P			D, S	S	Recent alluvial gr	(GSC-I)
NW	22	7	1			D		4200	1						D, S		Gr	Dug out spring, 38°F (GSC-I)
	23	7	1			D	48s		15		15	G			D	H	Recent alluvial sd	(GSC-I)
NE	24	7	1			S						G						(GSC-I)
NW	28	7	1			D	48s		24			G			D, S		Glacial gr & cl	(GSC-I)
	32	7	1			S						G						(GSC-I)
NE	34	7	1			S				+8		G			D, S	S		(GSC-I)
13	8	7	2		1948	S						G			D, S	I	Frenchman ?	5 br; flows all year. Has a well near spring that is 12 ft. deep and has sd above gumbo at the bottom, with the water coming from sd which is possibly at base of Frenchman Formation.
NW	8	7	2			S						G						
SE	9	7	2			D	36s		11	9	11	G			D, S	H	Alluvial gr	44°F (GSC-I)
SW	10	7	2			D	48s		10			G			D, S	S	Recent alluvium	40°F (GSC-I)
SE	12	7	2		1906	D	36s		11	5	10	G			D, S	H	Gr	
NW	13	7	2			D	48s		11	8	10.5	G			D, S	H	Glacial dr	38°F (GSC-I)

Water-Well Records, West of the Fourth Meridian (Cont'd.)

Location West of 4th Mer. Lsd or 1/4	Sec.	Tp.	R.	Driller	Year drilled	Type of well	Hole diam. (in.)	Surface elev. (ft.)	Well depth (ft.)	Water depth (ft.)	Aquifer depth (ft.)	Yield or test rate (gpm)	Test results Drawdown or recovery (ft.)	Time (min.)	Use	Quality	Aquifer	Lithologic log, chemical analysis, and remarks
NW	14	7	2			S						G						(GSC-I)
	14	7	2		1948	S											Frenchman ss	Spring located in boggy depression, with the Frenchman ss stopping about 50 ft. east of bog and a few feet above it. There are better springs further up the slope.
SW	16	7	2			S						G						(GSC-I)
SE	18	7	2			D			18	14		G			D,S	S	Recent alluvium	0-5 black subsoil, 5-9 gr, 9-18 cl; 43°F (GSC-I)
SW	18	7	2			D	36s		11	8	11	G			D,S	H	Recent alluvium	45°F (GSC-I)
SW	18	7	2			D	60c		10	9		G			D,S	H	Recent alluvium	45°F (GSC-I)
SW	20	7	2			D			20	18		P			D,S	VH	Ravenscrag ss	0-5 gr, 5-18 sd, 18-20 ss; 43°F (GSC-I)
SW	20	7	2			D			15	12		P			D,S	H	Ravenscrag ss	43°F (GSC-I)
SW	20	7	2			D			9			P			D,S	H	Ravenscrag ss	43°F (GSC-I)
NE	20	7	2		1912	D	48s		20	5	20, 10				D	MH,A	Gr	
NE	21	7	2			S						G						(GSC-I)
NE	21	7	2			D	60c		17	15					D,S	H	Glacial cl	0-8 gr & cl, 8-9 sd, 9-17 cl; 42°F (GSC-I)
NW	22	7	2			S						G						(GSC-I)
NE	23	7	2			S						G						(GSC-I)
NW	24	7	2			S									D,S			
SE	27	7	2			S						G						
SW	28	7	2			D	48s		7	5	7	P			D,S	H	Glacial cl	40°F (GSC-I)
SW	30	7	2			D	48s		12	8		G			D,S	S	Glacial quick-sand	0-4 gr, 4-8 cl, 8-12 quicksand (GSC-I)
SW	31	7	2			S						G						(GSC-I)
NE	32	7	2			S						G						(GSC-I)
NE	35	7	2			S						G						(GSC-I)
NE	36	7	2			S						G						(GSC-I)
SE	1	7	3		1906	D			11	5	8				S	S	Gr	
SE	1	7	3		1905	D			16	8	11				D	S	Gr	
SE	1	7	3			D	72c		22	9		G			D,S	H	Recent alluvial quicksand	46°F (GSC-I)
SE	1	7	3			D	60c		10	7		G			D,S	VH	Recent alluvial quicksand	44°F (GSC-I)
SW	7	7	3			S						G						(GSC-I)
NE	10	7	3			S						G						(GSC-I)
NE	13	7	3			D	60c		12	11		G			D	H	Glacial gr	41°F (GSC-I)
NW	13	7	3		1935	D	48s		24	21					S	H	Glacial gr &sd	0-1.5 topsoil, 1.5-22 blue cl & rocks, 22-24 gr & fine sd (GSC-I)
SE	14	7	3			S						G			D,S			(GSC-I)
NW	14	7	3			S						G			D,S			(GSC-I)
NE	16	7	3			S						G			D,S			(GSC-I)
NE	17	7	3		1914	D	36s		8	6	8	G			D,S	H	Gr	
SE	20	7	3			S						G			D,S			
SW	21	7	3			S	48s		8	5		G			D	VH	Recent alluvial quicksand	(GSC-I)
NE	22	7	3			D	48s		10	5		P			D	VH	Recent alluvial quicksand	(GSC-I)

NW	22	7	3		D	48s		6	5		P	D	S	Recent quick-sand	(GSC-I)
NW	24	7	3		D	48s		19	13		P	D,S	H	Glacial gr	44°F (GSC-I)
	24	7	3		D	48s		19	17		P	D,S	H	Glacial sd	(GSC-I)
SE	25	7	3		S						G	D,S			(GSC-I)
NE	27	7	3		D	48s		8	0		G	D,S	H	Glacial blue cl	41°F (GSC-I)
NE	29	7	3		D	48s		15	11		G	D,S	H	Glacial cl	40°F (GSC-I)
SW	30	7	3		Dr		3845	4722	1500	2354, 3556, 3640				Alberta sh	Foremost, Pakowki, 880-2200 Milk River, 2200-4722 Benton (GSC-I)
NE	30	7	3	1907	D	60s		30	20	22-30	37.5	D,S	H	Glacial quick-sand	0-10 soil, 10-30 quicksand; 43°F (GSC-I)
SW	35	7	3		D	24c		15	7		G	D,S	H	Glacial dr	45°F (GSC-I)
NW	36	7	3		S						G				(GSC-I)
SE	36	7	3		D	48s		20	17		G	D,S	H	Glacial sd	0-.5 soil, .5-6 gr & rocks, 6-22 cl; 40°F (GSC-I)
SW	36	7	3		D			16	15		P	D,S	S	Glacial quick-sand	40°F (GSC-I)
NW	30	7	4		B	24		56	26		G	D,S	H	Recent allu-vial sd & gr	(GSC-I)
	31	7	4	1927	Dr		3623	4002		985					380-620 Bear Paw, 620-870 Pale Beds, 870-1220 Foremost, 1220-1890 Pakowki, 1890-1990 Milk River, 1990-3340 Benton, 3340-4002 Blairmore; hole abandoned (GSC-I)
SE	33	7	4		S						G	D,S			(GSC-I)
15	34	7	4		S						G	D,S	MH		
NW	36	7	4	1917	D			25	20		G	D,S	VH	Glacial quick-sand	0-15 blue cl, 15-24 dry sd (GSC-I)
	36	7	4	1936	D			28	18	24-28	G	D	H	Gr	Deepened 4 ft. in 1948
NW	5	7	5		D	36		34	31		P	D,S	H,A	Recent alluvium	44°F (GSC-I)
SW	7	7	5	1915	D			6	1	6		D,S	H	Sd	0-6 cl
NW	7	7	5		D	48s		7	6		P	D	H	Recent allu-vial sd	46°F (GSC-I)
NW	7	7	5		D	48s		9	8		P	D	H	Recent allu-vial sd	46°F (GSC-I)
SE	9	7	5		D	48s		25	13		P	D	H,A	Glacial	(GSC-I)
NW	10	7	5		D			12	11		P	D	H	Glacial	(GSC-I)
NW	15	7	5		D	48s		10	10		P	D,S	H,A	Glacial quick-sand	(GSC-I)
NE	15	7	5		D	48s		12	10		P	D,S	H	Glacial sd	41°F (GSC-I)
NE	15	7	5	1928	B	24		50				S	A		15-50 soapstone; brown in color, must be mixed with other water (GSC-I)
NW	17	7	5		D			10			P	D	S	Recent alluvium	45°F (GSC-I)
NW	19	7	5		D	48s		32	21		G	D,S	H	Glacial cl	0-2 black soil, 2-32 yellow cl & gr (GSC-I)
SE	20	7	5		D	36s		13	9		P	D	H	Glacial cl	43°F (GSC-I)
SW	21	7	5		D	48s		12	4		G	D,S	H	Glacial sd	(GSC-I)
SW	21	7	5		D	48s		9	6		G	D,S	H	Glacial sd	(GSC-I)
NE	21	7	5		D	30s		23	10		P	D	H,A	Recent alluvium	43°F (GSC-I)
NE	21	7	5		D	30s		18	12		P		H,A	Recent alluvium	(GSC-I)
NW	22	7	5		D			11	11		P			Glacial	Seepage well from slough (GSC-I)
NE	22	7	5		D	48s		16	10		G	D,S	H	Glacial sd	0-12 sandy brown cl, 12-16 brown cl (GSC-I)
NE	22	7	5		D	48s		16	12		G	D,S	H	Recent allu-vial sd	(GSC-I)

Water-Well Records, West of the Fourth Meridian (Cont'd.)

Location West of 4th Mer. Lsd or 1/4	Sec.	Tp.	R.	Driller	Year drilled	Type of well	Hole diam. (in.)	Surface elev. (ft.)	Well depth (ft.)	Water depth (ft.)	Aquifer depth (ft.)	Yield or test rate (gpm)	Test results Drawdown or recovery (ft.)	Time (min.)	Use	Quality	Aquifer	Lithologic log, chemical analysis, and remarks
SE	24	7	5			D			14	12					D	H	Glacial	Dry holes drilled to 80 ft., 110 ft. and 120 ft. (GSC-I)
	25	7	5			Dr		3502										Resistivity log shows no significant permeability above 500 ft. There is no evidence of fresh water sands.
4	25	7	5		1962	B	24		29	12	12	G			D	MH		
4	25	7	5		1962	B	24		67	D								Blue cl
NW	27	7	5		1910	B			30	18	30	G			D,S	H	Sd	
NE	27	7	5			D			30	15		G			D,S	H,A	Glacial quick-sand	43°F (GSC-I)
NW	28	7	5			Dr	6		96	22		P			D,S	S	Glacial blue cl	(GSC-I)
NW	28	7	5			D			15	11		P			D	H	Glacial	43°F (GSC-I)
SW	1	7	6			Dr	2	3300	155	D								0-50 red cl, 50-125 blue cl ?, 125-155 soft sh (GSC-I)
NW	2	7	6			Dr		3300	197	167		G			N	H,A	Coal	0-70 yellow cl, 70-95 ss, 95-167 blue cl, 167-197 coal (GSC-I)
NE	2	7	6			D		3290	16	14	16	P			D	S	Glacial gr	0-14 yellow cl; two holes, 160 ft. deep and 200 ft. deep, were both dry holes.(GSC-I)
SE	3	7	6			Dr	6	3310	100	D								0-70 yellow cl, 70-100 ss & light blue cl; gas at 100 ft.(GSC-I)
	4	7	6			Dr		3339										Resistivity log shows best indication of permeability from approx 600 to 680.
SE	5	7	6			D		3000	26	23		G			D,S	S,So	Glacial	(GSC-I)
SW	6	7	6		1928	Dr	5	2900	820	±6		12			D,S,Ir	S,So		0-20 blue cl & sd, 20-60 cl, 60-90 cl & ironstone, 90-300 sandy cl, 300-800 sh, 800-820 sd; gas at 780 ft., 52°F (GSC-I)
SE	7	7	6		1912	D		2820	16	4	12	14-16			D,S	H,A	Glacial gr	0-14 loam, bottomed in blue cl (GSC-I)
NE	8	7	6			D		3100	9	0	9	G			D,S	H,A	Glacial gr	0-9 cl (GSC-I)
NE	9	7	6			D	48s	3178	14	10		G			D,S	H,A	Glacial sd	43°F (GSC-I)
SW	10	7	6			D		3300	8	6		P			D	S	Glacial cl	0-8 cl (GSC-I)
SE	17	7	6	O. Dube	1961	Dr	4 1/2c		320	60	300-320	242	280	2880	D	Su	Ss	0-235 brown cl, 235-300 blue cl, 300-320 ss
SE	17	7	6			D		3100	30	D					N		Glacial	(GSC-I)
SW	18	7	6			D			13	7		< 1			D	H,A	Glacial gr	0-6 cl, 6-13 gr & cl (GSC-I)
SW	19	7	6			D	72c	2980	19	9		G			D,S	H	Glacial sd	0-7 cl, 7-9 sd, 9-19 cl; 43°F (GSC-I)
SW	20	7	6		1932	D	48s	3060	22	17		G			D,S	H	Glacial sd	0-22 sd & cl; 43°F (GSC-I)
NE	23	7	6			D	48s	3440	17	10		G			D,S	S,A	Glacial sd	0-17 cl, 17 sd (GSC-I)
NW	24	7	6			D	36s	3450	26	12	26	P			D,S	H,A	Glacial cl	(GSC-I)
SE	25	7	6			D		3550	18	10		P			D,S	H,A	Glacial	(GSC-I)
NW	27	7	6			D		3350	20			G			D	H,A	Glacial cl	0-20 cl (GSC-I)
NW	28	7	6			D		3160	18	14		G			D,S	S	Glacial sd	(GSC-I)
NW	28	7	6			D		3150	12	0	12	P			D,S	H,A	Glacial sd	0-12 stony cl (GSC-I)
NE	28	7	6	L. Maarion	1962	B	24	2900	25			G				S		Bottomed in gr
NW	30	7	6			B	24, 18	3120	170	155		G			D,S	H,A	Gravelly sh	0-100 yellow cl, 100-160 blue cl, 160-170 gravelly sh (GSC-I)
SW	31	7	6		1930	D		3070	16	12	16	G			D,S	H,I	Sd	0-14 gr, 14-16 cl, br 16 (GSC-I)

NW	32	7	6			Dr	6	3200	240	220		P			D,S	H,A	Fine sd	(GSC-I)
SE	34	7	6			D		3200	8	6		< 1			D,S	S	Fine sd	0-6 stony cl, 6-10 fine sd (GSC-I)
SW	34	7	6			D		3190	5	5	2	G			D,S	S	Glacial sd	0-2 cl, 2-5 sd (GSC-I)
SW	35	7	6			D		3190	13	12	12	P			D	S	Glacial sd	0-12 blue cl (GSC-I)
NW	35	7	6			S		3180				G			D,S	So	Glacial fine sd	(GSC-I)
SW	1	7	7			B	24	3040	37	17	17	G			S	H,A	Glacial yellow cl	(GSC-I)
SW	2	7	7			Dr	6	2990	80	30		G			D,S	A	Glacial cl	Water is salty, 45°F (GSC-I)
NW	3	7	7			D	48s	2960	24	21		P			D,S	H,A	Glacial cl	47°F (GSC-I)
SW	8	7	7	O. Dube		Dr	4 1/2c		274	50	234-274	5	150	2880		S,Su		0-100 brown cl, 100-234 blue cl, 234-274 sh & coal
SE	9	7	7			D		2940	16	14		P			D	H	Glacial blue cl	(GSC-I)
SW	10	7	7			D		2930	12	8		G			D,S	H	Glacial quick-sand	0-8 cl, 8-12 quicksand (GSC-I)
NW	10	7	7			D	48s	2930	10	8	8-10	G			D,S	S,I	Glacial sd	0-8 sandy cl, 8-10 gr; 50°F (GSC-I)
SW	12	7	7			D	36c		26			P			D,S	H	Glacial sd	(GSC-I)
NE	15	7	7			D		2790	15	5	4	P			D	H,A	Glacial sd	0-4 sd, 4-15 blue cl (GSC-I)
N 1/2	20	7	7		1932	Dr	3, 2	2790	800	+10	760-800	5			D,S,Ir	S,So	Milk River ss	Belly River (GSC-I)
SW	30	7	7		1930				778	+5		10			D,S	S	Lower Milk River sd	(GSC-I)
NW	1	7	8			Dr		2750	190		190	G			D,S	S	Fine sd	Well now filled in (GSC-I)
NW	1	7	8		1931	Dr	2	2750	740	+8		3.5			D,S,Ir	S,So	Lower Milk River ss	100-554 Pakowki, 554-700 Upper Milk River sd, 700-740 Lower Milk River sd (GSC-I)
SW	2	7	8		1926	Dr	1 1/4	2760	655	+8	640-655	16			D,S,Ir	S	Milk River ss	Formation encountered were Belly River & Pakowki (GSC-I)
SE	5	7	8			D	48s	2880	15	12					N	H,A	Glacial sandy cl	(GSC-I) Resistivity log shows sh section through approx 670 with permeability indicated from approx 670-710.
	10	7	8			Dr		2755										
SE	17	7	8		1930	Dr	2c		707	+3		6			D,S	S	Sd	54°F (GSC-I)
SW	18	7	8			D	48s	2870	20	16	20	P			D,S	H	Glacial cl	0-20 cl (GSC-I)
E 1/2	18	7	8	Midland	1950	Dr	3, 2c		811	F		G			D,S	S	Lower Milk River ss	(GSC-I)
SE	25	7	8	Midland	1950	Dr	2c		750	F		G			D,S	S	Lower Milk River ss	(GSC-I)
SE	26	7	8			Dr	3	2745	730	+20	700-720	12			S	S,So	Milk River ss	(GSC-I)
S 1/2	26	7	8			D	48s	2710	14	8					D,S	H,A	Recent alluvium	0-8 sandy cl (GSC-I)
	27	7	8	Midland	1950	Dr	2c		750	F		G			D,S	S	Lower Milk River ss	(GSC-I)
NW	32	7	8			D	48s	2900	24	0		P			D	H,A		0-10 yellow cl, 10-24 sh ? (GSC-I)
SW	6	7	9		1924	Dr	2		680		670	25				S,So	Milk River ss	(GSC-I)
SE	12	7	9		1934	Dr	4	2830	767	+40	700-767	3			D,S	S,So	Milk River ss	Belly River; 52°F (GSC-I)
4	13	7	9	E. Kiengle	1956	Dr	2		900			G			D,S	S	Lower Milk River ss	(GSC-I)
NE	19	7	9		1920	Dr	2		700	F		3			D,S	S,So	Lower Milk River	Pale Beds, Foremost, Pakowki; 52°F (GSC-I)
NE	19	7	9			Dr			714	F						S,So	Lower Milk River	Moderate flow (GSC-I)
NE	19	7	9		1917	Dr	4		700	F	680-700	4			D,S	S,So	Lower Milk River ss	Dr, Foremost, Pakowki; 52°F (GSC-I)
NW	20	7	9			Dr		2770	760	F	760						Lower Milk River	Poor flow ? (GSC-I)
W1/2	20	7	9			Dr		2803	736	F						S,So	Lower Milk River	(GSC-I)
NE	22	7	9		1915	D	48s	2760	17	13	0-17	G			D,S	H,A	Glacial sd	(GSC-I)
NW	23	7	9		1933	D	36c	2765	20	14	15	G			D,S	H,I	Glacial sd	0-6 sd, 6-12 cl; 44°F (GSC-I)

Water-Well Records, West of the Fourth Meridian (Cont'd.)

Location West of 4th Mer. Lsd or 1/4	Sec.	Tp.	R.	Driller	Year drilled	Type of well	Hole diam. (in.)	Surface elev. (ft.)	Well depth (ft.)	Water depth (ft.)	Aquifer depth (ft.)	Yield or test rate (gpm)	Test results Drawdown or recovery (ft.)	Time (min.)	Use	Quality	Aquifer	Lithologic log, chemical analysis, and remarks
SE	27	7	9		1919	B	24	2750	56	50	56				S	H,A,I	Sandy sh	Belly River, Foremost; 45°F (GSC-I)
	27	7	9	Foremost	1953	Dr	2c		925			G			D,S	S	Lower Milk River ss	(GSC-I)
SW	28	7	9			B?	4		135	80		G			D,S	H,A	Foremost	Dr, Pale Beds; 46°F (GSC-I)
S 1/2	29	7	9		1957	Dr	2c		945			G			D,S	S	Lower Milk River ss	(GSC-I)
NE	34	7	9		1929	Dr	6	2770	775	+20	775	G			D,S	S,So	Lower Milk River ss	Dr, Foremost, Pakowki; fair flow, also has another well 709 ft. deep, 52°F (GSC-I)
SW	35	7	9		1910	D	48s	2710	20	14	14	G			D,S	H,I	Glacial sd	0-14 cl, 14 sd; 44°F (GSC-I)
SW	6	7	10			D	48s		24	20	24	G			D,S	H	Glacial sd	46°F (GSC-I)
NE	7	7	10			Dr	2		677			G			D,S	S,So	Milk River ss	Dr, Foremost, Pakowki; 52°F (GSC-I)
4	9	7	10	Foremost	1953	Dr	3, 2c		800			G			D	S	Lower Milk River ss	(GSC-I)
4	10	7	10	Foremost	1953	Dr	3, 2c		842			G			D,S	S	Lower Milk River ss	(GSC-I)
SW	15	7	10			Dr	2		665			G			D,S	S,So	Milk River ss	Dr, Foremost, Pakowki; 52°F (GSC-I)
SW	16	7	10			D	48s		17	12	17	P			D,S	H	Glacial sd	46°F (GSC-I)
SW	18	7	10			Dr	2		650		650	G			D,S	S,So	Milk River ss	Dr, Foremost, Pakowki; 52°F (GSC-I)
SE	19	7	10	Foremost	1954	Dr	3c		860						D	S	Lower Milk River ss	(GSC-I)
SE	19	7	10	E. Kiengle	1953	Dr	3, 2c		737			G			D,S	S	Lower Milk River ss	(GSC-I)
SW	20	7	10			D			20	10		G			D,S	H,A	Glacial gr	(GSC-I)
SW	25	7	10			Dr	6	2823	787	F	707				D,S	S,So	Lower Milk River	Foremost, Pakowki; fair flow, 52°F (GSC-I)
SW	26	7	10			Dr	6	2833	700	F	700	4			D,S	S,So	Milk River ss	Foremost, Pakowki; 52°F (GSC-I)
NW	27	7	10		1917	Dr	6		80	40	80	G			S	H,Su	Foremost	Coal, dr, Belly River; 46°F (GSC-I)
SE	28	7	10		1918	Dr	2	2798	680	F	680	G			D,S	S,So	Milk River ss	Dr, Foremost, Pakowki; 52°F (GSC-I)
SW	28	7	10			Dr	6	2798	685	F	685	3			D,S	S,So	Milk River	Dr, Foremost, Pakowki; 52°F (GSC-I)
SW	30	7	10			S						G			D,S	H,A		(GSC-I)
NW	32	7	10			Dr	2	2805	700	F	680-700	3			D,S	S,So	Milk River ss	Belly River, Pakowki (GSC-I)
W 1/2	32	7	10			Dr			650	F		G					Milk River	(GSC-I)
NW	34	7	10			Dr	6	2840	90	D							Foremost soft sh	(GSC-I)
SW	36	7	10		1929	Dr	2	2827	780	F	720	0.5			D,S	S,So	Milk River	Dr, Pale Beds, Foremost, Pakowki; 52°F (GSC-I)
NW	36	7	10		1930	Dr	2	2805	740	F	720	2			D,S	S,So	Milk River	52°F (GSC-I)
NW	36	7	10	E. Kiengle		Dr	3c		850	80		6						0-715 sh, 715-805 ss, 805-850 ss
NW	1	7	11		1935	Dr		2835	635						D,S	S	Milk River ss	Foremost, Pakowki (GSC-I)
SE	2	7	11			Dr		2843	640	10?	640	G			D,S	S,So	Milk River	Artesian well (GSC-I)
SW	2	7	11		1923	Dr		2843	650	0	645	G			D,S	S,So	Milk River ss	Belly River, Foremost, Pakowki (GSC-I)
SE	3	7	11		1920	Dr		2843	660	10	660	G			D,S	S,So	Milk River ss	Foremost, Pakowki (GSC-I)
SE	6	7	11		1930	Dr		2875	670	30	670	G			D,S	S	Milk River ss	(GSC-I)
	6	7	11		1954	Dr	3, 2c		780			G			D,S	S	Lower Milk River ss	(GSC-I)
NE	7	7	11			Dr	2	2860	670	0	650	G			D,S	S,So	Milk River ss	(GSC-I)
SE	8	7	11			Dr		2865	640	+2		G			D,S	S,So	Milk River ss	Foremost, Pakowki (GSC-I)

NE	10	7	11		1921	Dr		2860	640	+2	640	G	D,S	S,So	Milk River ss	(GSC-I)
SW	14	7	11		1920	Dr	2	2800	646	+2	646	G	D,S	S,So	Milk River ss	(GSC-I)
NW	14	7	11	L, Maarion	1963	B	24	2200	22	9					Sandy cl	
S1/2	15	7	11		1920	Dr	2	2800	650	+2	650	G	D,S	S,So	Milk River ss	(GSC-I)
SE	17	7	11		1929	Dr	2	2860	640	+2	640	G	D,S	S	Milk River ss	(GSC-I)
SE	18	7	11		1925	Dr	2	2876	640	0	640	G	D,S	S,So	Milk River ss	(GSC-I)
SE	20	7	11		1921	Dr	2	2776	650	+2	650	G	D,S	S	Milk River ss	Foremost, Pakowki (GSC-I)
N1/2	20	7	11			D		2731	6	F	6					(GSC-I)
NW	21	7	11		1922	Dr		2776	640	+3	630	G		S,So	Milk River ss	(GSC-I)
SE	23	7	11			Dr	2	2800	645	+2	645	G	D,S	S	Milk River ss	(GSC-I)
SW	24	7	11			Dr	2	2805	650	2	625	30	D,S	S	Milk River ss	Dr, Foremost, Pakowki (GSC-I)
SE	27	7	11			Dr	2	2780	630	+8	630	G	D,S	S	Milk River ss	(GSC-I)
SW	27	7	11			Dr	2	2780	645	+2	645	G	D,S	S	Milk River ss	(GSC-I)
NW	29	7	11		1928	Dr	2		640	F		G	D,S	S,So	Milk River ss	Foremost, Pakowki (GSC-I)
SE	30	7	11			Dr		2745	650	+2		G	D,S	S	Milk River	(GSC-I)
NW	31	7	11			D	48s		12			P	D	H	Glacial sd	50°F (GSC-I)
NE	31	7	11		1916	D	48s	2760	12	6	12	P	D,S	H	Glacial sd & gr	50°F (GSC-I)
13	31	7	11	Midland	1950	Dr	3, 2c		750	F		G	D,S	S	Lower Milk River ss	(GSC-I)
NE	32	7	11		1910	D	36s		10			G	D,S	H	Glacial sd & gr	50°F (GSC-I)
12	33	7	11	Midland	1950	Dr	3, 2c		761	F		G	D,S		Lower Milk River ss	(GSC-I)
NW	33	7	11		1910	D	54s		14			G		H	Glacial sd	48°F (GSC-I)
NW	34	7	11		1934	D	48s		10			G	D,S	H	Glacial sd & gr	50°F (GSC-I)
NW	35	7	11		1915	D	48s		50			G	D,S	H	Glacial sd	45°F (GSC-I)
NE	35	7	11		1925	D	48s	2790	52	30		G	D,S	H,A	Foremost ss	0-30 ss, 30-52 hard pan (GSC-I)
1	36	7	11		1953	Dr	3, 2c		800			G	D,S	S	Lower Milk River ss	(GSC-I)
W1/2	7	7	12			Dr	2	2860	670	10	670	G	D,S	S,So	Milk River ss	0-200 dr, 200-595 Foremost, 595-670 Pakowki; 42°F (GSC-I)
E 1/2	8	7	12		1922	Dr	2	2860	670	+4	670	G	D,S	S,So	Milk River ss	Dr, Foremost, Pakowki; 42°F (GSC-I)
NW	10	7	12		1926	Dr	2	2840	680	15	680	G	D,S	S,So	Milk River ss	Dr, Foremost, Pakowki; 42°F (GSC-I)
NE	10	7	12			Dr	2	2830	650	10	650	G	D,S	S,So	Milk River ss	Dr, Foremost, Pakowki; 42°F (GSC-I)
NE	16	7	12			Dr	2	2820	640	+3	640	G	D,S	S,So	Milk River ss	Dr, Foremost, Pakowki; 42°F (GSC-I)
NE	18	7	12		1925	Dr	2	2855	650	30	650	G	D,S	S,So	Milk River ss	Dr, Foremost, Pakowki (GSC-I)
SW	28	7	12			Dr	2	2810	630	+2	630	G	D,S	S,So	Milk River ss	Dr, Foremost, Pakowki; 42°F (GSC-I)
NE	28	7	12			Dr	2	2800	640	0	640	G	D,S	S,So	Milk River ss	0-280 dr, 280-525 Foremost, 525-640 Pakowki; 42°F (GSC-I)
SE	30	7	12			D	48s	2810	15	10		G	D,S	H	Glacial sd	0-10 cl, 10-15 sd (GSC-I)
W1/2	30	7	12			D	48s	2810	15	9		G	S		Glacial sd & coal	0-9 cl, 9-15 sd & coal (GSC-I)
NE	1	7	13			Dr	2	2660	350		350	10	D,S	S,So	Milk River ss	Belly River, Pakowki; 44°F (GSC-I)
SE	5	7	13			Dr	4	3025	675	55	675	1	D,S	S	Milk River ss	Dr, Foremost, Pakowki (GSC-I)
NE	8	7	13			Dr	2	2690	360	F	360	8	D,S	S,So	Milk River	Belly River, Pakowki; 44°F (GSC-I)
NW	15	7	13			Dr	2	2896	690	80	690		D,S	S,So	Milk River	Belly River, Pakowki; 44°F (GSC-I)
12	32	7	13			Dr			769	F	645	< 1			Milk River ss	(GSC-I)
SW	3	7	14			D		3104	14	10			D,S	H	Glacial dr	
	6	7	14	Midland	1950	Dr	3, 2c		754	20		G	D,S	S	Lower Milk River ss	(GSC-I)
	17	7	14			Dr		2704								Resistivity log shows no evidence of permeability through a depth of 1600.
SW	19	7	14		1929	Dr	3	2710	700	+20	700	G	D,S	S,So	Milk River ss	42°F (GSC-I)

Water-Well Records, West of the Fourth Meridian (Cont'd.)

Location West of 4th Mer. Lsd or 1/4	Sec.	Tp.	R.	Driller	Year drilled	Type of well	Hole diam. (in.)	Surface elev. (ft.)	Well depth (ft.)	Water depth (ft.)	Aquifer depth (ft.)	Yield or test rate (gpm)	Test results Drawdown or recovery (ft.)	Time (min.)	Use	Quality	Aquifer	Lithologic log, chemical analysis, and remarks
SE	22	7	14		1923	Dr	4	2700	650	+3	650	G			D,S	S,So	Milk River ss	Pakowki (GSC-I)
SW	30	7	14			D	48s	2880	8	5		P					Glacial sd	0-8 sd (GSC-I)
SW	3	7	15		1933	Dr	5 7/8	3080	187	60	187				D,S	S,So	Belly River ss	0-50 cl & boulders, 50-187 pale grey sh (GSC-I)
SW	9	7	15			D	48s	3060	45	41	41	G			D,S	H	Glacial sd	0-41 dr, 41-45 sd (GSC-I)
NW	21	7	15			Dr		2720	700	+3	700	G			D,S	S,So	Milk River ss	Belly River, Pakowki (GSC-I)
NW	32	7	15			Dr	6	2895	830	20	830	G			S	S,So	Milk River ss	Belly River, Pakowki (GSC-I)
4	33	7	15	Foremost	1952	Dr	3, 2		912			G			S	S	Milk River sands	(GSC-I)
SW	1	7	16		1933	Dr		3096		4					S	H,A		(GSC-I)
SW	5	7	16		1930	D	48x36c	3119	40	20					S	H	Glacial cl	46°F (GSC-I)
NW	6	7	16		1935	D	48s	3096	20	15		G			D,S	H	Glacial sd	Also has several seepage wells (GSC-I)
NW	9	7	16		1920	D	42s	3022	24	18		G			D,S	H	Glacial cl	(GSC-I)
SE	12	7	16		1934	D	48s	3088	15	12					D	H	Glacial cl	(GSC-I)
SW	15	7	16		1936	D	36s	3047	22	18		G			D,S	H	Glacial cl	(GSC-I)
SW	16	7	16		1932	D	48s	3029	22	18					D	H	Glacial cl	(GSC-I)
SE	16	7	16		1930	D	36s	3014	18	16					D	H	Glacial cl	(GSC-I)
SW	18	7	16		1910	Dr	6c	3030	150	36		< 1			S	H,A	Glacial dr	(GSC-I)
SE	19	7	16		1917	D		3010	22	13		< 1			D,S	H	Glacial sd	Drilled 160 ft., little water (GSC-I)
SW	21	7	16		1930	D	24c	3017	40	37	39				D	H,A	Glacial sd	0-39 cl, 39-40 sd (GSC-I)
NE	24	7	16		1926	Dr	6, 2c	2791	702	+4		4			S	S	Milk River ss	Water is salty (GSC-I)
SW	32	7	16		1934	D	48s	2780	10	0		2			S	H,A	Recent alluvium	Bottomed in ss (GSC-I)
SE	33	7	16			D	96x48c	2915	4	3		G			D,S	H	Ss	(GSC-I)
	35	7	16			Dr		3305										E log shows permeability in the Milk River sands from approx 775-920, with lesser permeability in a thin zone from approx 850-875.
NE	1	7	17			D	42s	3110	22	20					D	H,A	Glacial sd	(GSC-I)
SE	2	7	17		1919	Dr	2c	3110	140	12	13, 60	P			S	H,A	Glacial sd	Water at 60 ft. is bitter. (GSC-I)
SW	3	7	17		1933	D	60c	3104	14	10					D,S	H	Glacial sd	(GSC-I)
NE	4	7	17		1922	D	60c	3103	22	19	14				D,S	S	Glacial sd	14 ss (GSC-I)
SE	6	7	17		1917	Dr	4c	3153	400	180	250-400				D,S	S,So	Belly River	(GSC-I)
NE	7	7	17		1930	D	48s	3097	36	33	35				D	H	Glacial sd	0-35 brown cl, 35-36 sd (GSC-I)
NE	9	7	17		1934	D	60c	3092	20	14					S	H,A	Glacial sd	(GSC-I)
SW	10	7	17		1934	D	84c	3098	70	13					D,S	S	Glacial sd	13 sd (GSC-I)
SE	14	7	17		1919	Dr	6c	3084	267	40	260				S	S,So	Belly River ss	260 ss (GSC-I)
SE	15	7	17		1933	D	48s	3104	22	20		< 1			S		Glacial dr	(GSC-I)
SW	15	7	17		1936	D	96c	3104	20	14		< 1			S	H	Glacial dr	(GSC-I)
NW	16	7	17		1913	D	48s	3100	18	13					D,S	H	Glacial sd	(GSC-I)
SW	17	7	17		1931	D	60c	3097	18	14					D,S	H	Glacial dr	(GSC-I)
NE	17	7	17		1918	Dr	2c	3113	270	75	265				D,S	S,So	Belly River ss	265 ss (GSC-I)
	18	7	17			Dr			212	30		G					Glacial dr	98-100 sd (GSC-I)
NW	21	7	17		1926	Dr	5c	3065	100	18	98-100				D,S	H,A	Glacial sd	(GSC-I)
SE	22	7	17		1926	Dr	6c	3085	140	20		P			S	H	Glacial quick-sand	Water is bitter (GSC-I)
SE	23	7	17		1930	B	24c	3075	75	45					N	VH,A	Belly River	Water is laxative, well almost dry (GSC-I)
SE	24	7	17		1919	D	42s	2999	20	15					D	H	Glacial cl	(GSC-I)
NE	27	7	17		1931	D	48s	3050	26	22					D	H	Glacial dr	(GSC-I)

SE	30	7	17			D	42s	3065	25	24		P			D	H	Glacial sd	(GSC-I)
SE	32	7	17		1924	Dr	6c	3033	227	50	220	G			S	S, So	Belly River	220 ss (GSC-I)
SW	1	7	18		1920	D	48s	3086	18	15	15	G			D, S	H	Glacial dr	0-15 brown cl, 15-18 blue sd (GSC-I)
SW	2	7	18		1933	D	48s	3101	18	9	17	G			D, S	H	Glacial gr	0-17 brown cl, 17-18 gr (GSC-I)
SW	7	7	18		1926	Dr	6c	3087	228	40		G			D, S	S, So	Belly River	(GSC-I)
NW	9	7	18		1910	Dr	6c	3133	260	40		G			D, S	S, So	Belly River	250 ss (GSC-I)
NE	19	7	18		1919	Dr	6c	3103	370	35		G			S	S, So	Belly River	260 ss (GSC-I)
SE	21	7	18			Dr	6c	3107	240	40		G			S	S, So	Belly River	235 ss (GSC-I)
NE	22	7	18		1935	D	48s	3107	27	20		G			S	H	Glacial dr	(GSC-I)
NW	23	7	18		1924	D		3112	19	18		P			D, S	H	Glacial sd	0-18 brown cl, 18-19 quicksand (GSC-I)
NE	23	7	18		1929	D	42s	3101	27	12		G			S	H	Glacial dr	(GSC-I)
NE	24	7	18		1935	D	60c	3108	16	15		G			D, S	H	Glacial sd	0-15 cl, 15-16 sd (GSC-I)
NW	24	7	18		1929	D	60c	3165	25	10		G			D, S	H	Glacial dr	(GSC-I)
SW	28	7	18	Skyline	1958	Dr	5 1/2		1070	140		14	850 -850	300 600	D, S	S	Milk River sands	0-135 cl & boulders, 135-150 quicksand, 150-220 cl, 220-275 sh, 275-281 ss, 281-640 sh & rock ledges, 640-700 sd with gas pockets, 700-840 sh, 840-895 sd, 895-965 sh & rocks, 965-1010 Milk River sd, 1010-1060 hard grey sd with small gr, 1060-1070 rock; salt and sulfur present
SW	28	7	18		1919	Dr	6c	3099	410	120		4			D, S	S, So	Belly River	0-50 brown cl, 50-225 blue cl, 225-230 sd, 230-250 blue cl, 250-? ss (GSC-I)
SW	30	7	18		1935	D	48s	3100	17	14					D, S	H	Glacial sd	(GSC-I)
NW	31	7	18		1917	D	36c	3064	23	8					D, S	H	Glacial dr	(GSC-I)
NE	33	7	18			D	42s	3083	25	24		P			D	H	Glacial dr	(GSC-I)
SE	35	7	18			D	60c	3076	18	17					D, S	H	Glacial gr	0-17 cl, 17-18 gr (GSC-I)
SW	35	7	18		1933	D		3062	30	27					D, S	H	Glacial quick-sand	0-1 soil, 1-18 brown cl, 18-20 gr, 20-29 brown cl, 29-30 quicksand (GSC-I)
NW	36	7	18		1920	Dr	6c	3059	290	210		G			S	S, So	Belly River	290 ss (GSC-I)
NW	6	7	19	M.R. Hall	1964	Dr			160									0-6 sandy brown cl, 6-15 brown cl, 15-83 brown till, 83-84 boulder, 84-135 blue till, 135-141 very coarse gr, 141-147 sh, 147-153 grey bedrock, fine sd, 153-160 grey sh
NE	7	7	19			Dr	6c	3078	180	50		G			D, S	S, So	Belly River	(GSC-I)
SE	8	7	19		1920	D	48s	3078	30	28		< 1			S	H, A	Glacial cl	Has other dry holes (GSC-I)
NE	9	7	19		1918	D	48s	3062	20	8					D, S	H	Glacial sd	(GSC-I)
SW	9	7	19		1915	D	48s	3065	15	10					D, S	H	Glacial sd	(GSC-I)
NW	10	7	19		1928	D	48s	3055	20	2		P			D, S	H	Glacial dr	Not used now (GSC-I)
NW	11	7	19		1927	D	48s	3072	16	14		P			N	A	Glacial cl	Water is bitter (GSC-I)
NW	12	7	19		1935	Dr	6c	3092	222	40		G			D, S	S, So	Belly River	160 ss (GSC-I)
SW	13	7	19		1924	D	36c	3108	15	10					D, S	H, A	Glacial dr	(GSC-I)
NW	13	7	19		1934	Dr	6c	3110	220	30		G			D, S	S, So	Belly River	(GSC-I)
SE	14	7	19		1925	D	36s	3075	15	9		G			S	H, A	Glacial cl	(GSC-I)
SW	14	7	19		1921	D	36s	3066	15	9					D, S	H	Glacial cl	(GSC-I)
NW	14	7	19		1929	D	48s	3086	14	10					D, S	H	Glacial cl	(GSC-I)
	15	7	19			Dr		3086										Resistivity log shows weak ss permeability from approx 955 to 1200.
NE	17	7	19		1912	Dr		3082	212	40		G			D, S	S, So	Belly River	(GSC-I)
SE	17	7	19		1916	Dr	6c	3092	185	50		G			D, S	S, So	Belly River	(GSC-I)
SW	18	7	19		1916	Dr	6c	3068	180	140		G			D, S	S, So	Belly River	180 ss (GSC-I)
NW	18	7	19		1918	Dr	6c	3091	190	60		G			D, S	S, So	Belly River	(GSC-I)
NE	19	7	19		1925	Dr	6c	3094	160	40					D, S	S, So	Belly River	(GSC-I)

Water-Well Records, West of the Fourth Meridian (Cont'd.)

Location West of 4th Mer. Lsd or 1/4	Sec.	Tp.	R.	Driller	Year drilled	Type of well	Hole diam. (in.)	Surface elev. (ft.)	Well depth (ft.)	Water depth (ft.)	Aquifer depth (ft.)	Yield or test rate (gpm)	Test results Drawdown or recovery (ft.)	Time (min.)	Use	Quality	Aquifer	Lithologic log, chemical analysis, and remarks
NE	19	7	19		1917	Dr	6c	3096	240	75		G			D,S	S,So	Belly River	(GSC-I)
SW	20	7	19		1935	D	168c	3084	20	10					D,S	H,A	Belly River	(GSC-I)
SE	22	7	19		1929	Dr	6c	3098	228	70		G			D,S	S,So	Belly River	(GSC-I)
NE	23	7	19		1918	D	48s	3073	17	13					S	H	Glacial sd	(GSC-I)
SW	25	7	19		1935	D	72s	3084	46	16					D	H	Glacial sd	Not used now (GSC-I)
NW	26	7	19		1923	D	36s	3078	21	11		P			D,S	S,So	Belly River	(GSC-I)
SW	29	7	19		1930	Dr	6c	3095	140	20		P			D,S	S,So	Belly River	(GSC-I)
SE	34	7	19		1930	D	48s	2873	20	14					S	H	Glacial cl	Water is bitter (GSC-I)
NE	34	7	19		1929	D	72s	3063	13	9					D	H	Glacial cl	(GSC-I)
SW	34	7	19	Midland	1950	Dr	2c		820	F					D,S	S	Lower Milk River ss	(GSC-I)
NW	35	7	19		1927	D	48s	3070	25	21					D,S	H	Glacial sd	(GSC-I)
NW	36	7	19			Dr			315	30		G			D,S	S,So	Belly River	(GSC-I)
NE	2	7	20	M.R.Hall	1964	Dr			160									0-31 brown sandy cl, 31-69 brown till, 69-79 blue till, 79-83 sandy grey till, 83-87 blue till, 87-93 sandy grey cl, 93-97 brown sandy cl, 97-98 brown ss, 98-99.6 cemented gr, 99.6-114 brown sandy cl, 114-127 hard sandy grey cl, 127-139 sandy grey cl, 139-160 sh with a soft grey ss layer
SW	5	7	20	M.R.Hall	1964	Dr			158									0-6 grey cl, 6-15 brown cl, 15-37 blue cl, 37-49 sandy blue cl, 49-79 sandy blue till & small gr streaks, 79-81 coarse gr, 81-110 blue till, 110-113 coarse water bearing gr, 113-133 brown sandy till, 133-145 sandy blue till, 145-153 sh, 153-154 ss, 154-158 sh
NE	9	7	20			D	48s	3050	24	18		G			D	H,A	Glacial gr	43°F (GSC-I)
NW	10	7	20		1925	Dr	6c	3056	260	55		G			D,S	S,So	Belly River	250 ss (GSC-I)
NE	11	7	20		1934	Dr	6c	3077	302	202					D,S	S,So	Belly River	210 ss (GSC-I)
SE	13	7	20		1935	Dr	6c	3071	190	90					D,S	S,So	Belly River	(GSC-I)
SW	15	7	20		1922	D		3053	36	30					D,S	H,A	Glacial gr	43°F (GSC-I)
SE	15	7	20		1933	D	48s	3054	20	18		P			D	H,A	Glacial gr	(GSC-I)
NW	16	7	20		1926	Dr	6c	3079	250	50		G			D,S	S,So	Belly River	(GSC-I)
SE	17	7	20		1925	Dr	6c	3058	270	100		G			D,S	S,So	Belly River	Water is laxative (GSC-I)
NW	19	7	20		1916	D	48c	3051	18	8		P			S	H,A	Glacial cl	(GSC-I)
SW	24	7	20		1935	D	48s	3059	14	11		G			D,S	H,A	Glacial cl	(GSC-I)
NW	27	7	20		1922	Dr	6c	3048	200	130		G			D,S	S,So	Belly River	45°F (GSC-I)
NE	28	7	20		1925	Dr		3052	200	123		G			D,S	S,So	Belly River	(GSC-I)
NE	31	7	20		1919	Dr	6c	3031	252	175		G			D,S	S,So	Belly River	45°F (GSC-I)
NE	32	7	20		1910	Dr	6c	3040	320	160					D,S	S,So	Belly River	Water is laxative (GSC-I)
SE	33	7	20		1933	D	36c	3039	12	9		< 1			D,S	H,A	Glacial sd	43°F (GSC-I)
NE	34	7	20		1919	Dr		3074	294	86		G			D,S	S,So	Belly River	(GSC-I)
NW	36	7	20		1926	Dr	6c	3073	315	80		G			D,S	S,So	Belly River	(GSC-I)
NE	36	7	20		1921	Dr	6c	3088	310	100					D,S	S,So	Belly River	(GSC-I)
SW	3	7	21		1918	Dr	6	3047	150	100					S	H,A	Belly River	140 ss; not used now (GSC-I)

NW	5	7	21		1918	Dr	6	3104	148	100					D,S	S,So	Belly River	148 ss (GSC-I)
SE	28	7	21		1927	Dr	6	3082	210	174					D,S	H	Belly River	175-177 coal (GSC-I)
NE	31	7	21		1918	Dr	6	3072	325	274					S	H,A	Belly River	70-80 ss, 125 gr (GSC-I)
NW	32	7	21		1918	Dr		3068	190	120					N	H,I	Belly River	(GSC-I)
SE	33	7	21		1932	D	48s	3083	20	13					D,S	S	Glacial sd	(GSC-I)
SW	1	7	22		1918	Dr	6	3000	130	125		< 1			N	H	Recent quick-sand	(GSC-I)
SW	1	7	22	Skyline	1958	Dr	5 1/2		385	D		P						0-110 cl, 110-117 sd, 117-124 gr, 124-322 sh, 322-360 sd, 360-385 sh
NW	26	7	22		1935	D	54c	2750	14	13					D	S	Recent alluvial sd	(GSC-I)
NW	36	7	22		1924	D		3072	16	D							Glacial cl	(GSC-I)
14	19	7	23			Dr		3296		F								0-30 cl, 30-38 gr, 38-75 sh; flowing shot hole
13	19	7	23			Dr		3291		F								0-26 cl, 26-38 gr, 38-60 sh; flowing shot hole
S 1/2	17	7	25		1917	Dr	5 5/8c		330	250	310	3.1	30		D,S	S	Gr	115-121 ss, 160-174 ss, 310-330 gr
NE	19	7	25	A. Goddard	1954	Dr	6, 4 1/2c		148	49		2.5	0	120	D,S			0-15 fine sd, 15-140 red & Blue sh, 140-141 ss, 141-148 blue sh
NW	20	7	25		1917	Dr	5 5/8c		100	50	95	1.3	35		D,S	S		0-95 gr & gumbo, 95-100 gr
NW	22	7	25	A. Goddard	1954	Dr	6c		67	45		9	0	150	S			0-15 yellow cl, 15-60 soft blue sh, 60-67 gr
SE	28	7	25		1917	Dr	5 5/8		97	40	94	< 1	20	120	D,S	S		94-97 ss
SW	36	7	25	A. Goddard	1954	Dr	5 1/2c		22			16			D,S			
SE	6	7	26		1917	Dr	5 5/8c		130	30	125		30		D	H	Gr	80-120 soapstone, 125-130 gr
SW	10	7	26			Dr	5 5/8c		120	40	110		40		D,S		Gr	100-108 ss, 110-120 gr
SW	12	7	26		1918	Dr	5 5/8c		248	118	230	1	60		D,S	S	Gr	115-125 ss, 160-170 ss, 230-248 gr
9	13	7	27			Dr		3713		F								0-54 cl & boulders, 54-70 sh, ss; flowing shot hole
4	33	7	27	R. Forrester	1963	Dr	6 1/4		262	40	220, 245-260	63	102	300	P	S,Su		0-60 sd & gr, 60-131 sd, gr & cl, 131-167 sd & gr, 167-180 sd, cl & gr, 180-192 blue quicksand, 192-202 hard black sh, 202-245 hard blue sh, 245-260 blue ss, 260-262 sh
NW	4	7	28	W. Maughan	1964	Dr	6		75	9	72-75	20		180	D	H	Sd & gr	0-72 cl, 72-75 sd & gr
	8	7	28	A. Goddard	1954	Dr	6		60		51	8			D,S			0-48 yellow boulders & stones, 48-60 sh, ss
1	11	7	28	W. Maughan	1964	Dr	6		120	65	91	1		180	D	S	Sh	0-6 cl, 6-11 ss, 11-28 sh, 28-72 ss, 72-120 sh
16	32	7	28	W. Maughan	1964	Dr	6, 4 1/2c		160	50	90-95	< 1		180	D	S	Sh	0-16 cl, 16-43 gr, 43-160 sh
16	35	7	28	W. Maughan	1964	Dr	6		120	79	105	1		180	D	S		0-9 cl, 9-35 gr, 35-58 cl, 58-120 sh
NW	2	7	29	A. Goddard		Dr	5 1/2c		67		64	4			D,S			45 soft ss, 67 ss
10	26	7	29	W. Maughan	1964	Dr	6		70	40	41	1			S	S		0-28 cl, 28-47 sh, 47-51 ss, 51-62 sh, 62-70 ss
											62	5		180				
7	27	7	29	W. Maughan	1964	Dr			80									0-21 sandy cl, 21-48 silt, 48-80 cl
1	36	7	29	W. Maughan	1964	Dr	6		58	+1	42-50	5			D	S		0-35 cl, 35-38 sh, 38-58 ss
N1/2	13	8	1		1921	D	30	3900	10			G			D	H	Recent alluvium	(GSC-I)
SE	24	8	2			D		4023	15	9		G			D	VH		44°F
	24	8	2		1948	D	24+		22	15	20				P	H		Easily pumped dry and tends to silt up
SE	31	8	2			Dr			120	18					D,S	VH		
SE	31	8	2			D			19						D,S	H		Dry in summer
SE	35	8	2			S						G			D,S			(GSC-I)
NE	16	8	3			S						G			D,S			(GSC-I)
NE	19	8	3			D	48s	4023	13	11		G			D,S	S	Recent alluvial sd & rock	0-13 grey cl & fine sd; 40°F (GSC-I)
NE	21	8	3	O. Dube		Dr			340	80	325-340	5	170	420				0-30 white cl, 30-120 brown cl, 120-260 blue cl, 260-320 white cl, 320-340 sd & gr

Water-Well Records, West of the Fourth Meridian (Cont'd.)

Location West of 4th Mer. Lsd or 1/4	Sec.	Tp.	R.	Driller	Year drilled	Type of well	Hole diam. (in.)	Surface elev. (ft.)	Well depth (ft.)	Water depth (ft.)	Aquifer depth (ft.)	Yield or test rate (gpm)	Test results Drawdown or recovery (ft.)	Time (min.)	Use	Quality	Aquifer	Lithologic log, chemical analysis, and remarks
SW	21	8	3			D	48s		28	23		P			D,S	H	Glacial sd	(GSC-I)
SW	22	8	3		1932	D	36s		20	16		G			D,S		Glacial sd & cl	(GSC-I)
SE	23	8	3			D	36c		8	5		G			D	MH	Estevan sh	(GSC-I)
10	23	8	3		1948	D		4030										3 br (ss); well is 200 ft. from shore of lake whose elevation is 4017.
SE	24	8	3			D	48s	4023	15	9		G			D	H	Recent alluvium	44°F (GSC-I)
NE	24	8	3			D	48s	4024	18	15		G			D	H	Glacial ?	42°F (GSC-I)
NE	24	8	3			D	48s	4050	27	19		G			D,S	VH	Glacial sd	0-27 blue cl & gumbo; 47°F (GSC-I)
16	24	8	3	Hall	1963	Dr	4		109	39		24	23 -23	1800 480	P	MH		0-20 brown sandy cl, 20-42 blue sandy cl, 42-45 fine silty sand, 45-58 brown sandy cl, 58-70 fine grey sd, 70-71 coal, 71-87 very sandy blue cl, 87-97 fine silty sd, 97-101 medium gr with ss stringers, 101-103 brown ss, 103-110 coarse gr, 110-115 sandy grey cl
	24	8	3		1948	D		4035	42	13	42				D	H		23 silt & unconsolidated gr; well is 18 ft. above lake level.
	24	8	3		1948	D	24c	4024	13						D		Unconsolidated sands	100 ft. from lake
	24	8	3		1948	D	24c	4035	22	15	20				D	H	Unconsolidated sands	18 ft. from lake
SE	25	8	3			D	48s		12	0		P			D,S	S	Glacial gr	43°F (GSC-I)
NE	25	8	3		1908	D	48s		20		20				D,S	H	Gr	20 gr
NE	26	8	3		1926	D	24x36		35	+12		G			D	MH	Glacial gr	0-12 blue cl, 12-35 gr & sd (GSC-I)
NW	30	8	3		1898	D			36	25	27, 36				S	H	Sd	36 sd
SE	31	8	3		1925	D			20	18		G			D,S	VH	Recent alluvium	0-2 soil, 2-20 gr; 43°F (GSC-I)
NE	35	8	3			S												(GSC-I)
NE	14	8	4		1912	D			6	1	6				D	S		0-6 cl
SW	23	8	4			D	48s		12			G			D,S	S	Recent alluvium	(GSC-I)
NE	28	8	4			S						G			D,S			(GSC-I)
NE	30	8	4			S									D,S			(GSC-I)
SW	35	8	4			S	36s					G			D,S	H	Glacial quicksand	(GSC-I)
NE	16	8	5			S						G			D,S			(GSC-I)
SE	6	8	6			B	24	3200	210	110		G			D,S	H,A	Hard sandy cl (Bear Paw)	0-110 blue cl; water is laxative, farm deserted, well not used now (GSC-I)
SE	7	8	6		1932	D		3250	20	10		G			S	S	Glacial sd	0-10 cl, 10-20 sd (GSC-I)
NE	7	8	6		1930	Dr		3260	1225	D							Bearpaw	0-50 yellow cl, 50-100 blue cl, 100-120 coal below hard sh, 120-1225? (GSC-I)
NE	18	8	6			Dr	8	3350	85	+16	85	G			D,S	H,I,A, So	Bearpaw sh & gr	0-35 yellow cl, 35-40 blue cl, 40-85 soft sh (GSC-I)
SE	18	8	6	L. Moarion	1962	B	24	3000	44	8	8	G			D	MH		29-44 sd; 15 in. cribbing 8 ft. long at the bottom
NE	25	8	6			D		3670	30	23		G			S	H,I	Glacial gr	0-4 sd, 4-23 yellow cl, 23-30 red sd, 30 coarse gr (GSC-I)
NW	28	8	6			D	42s	3500	16			G			D	H,A	Glacial	(GSC-I)

SE	30	8	6			D	48s	3360	10	7		G	D	MH,A	Glacial yellow cl	0–10 yellow cl (GSC-I)
SE	30	8	6	L. Maarion			20	2800	94	D						Bottomed in blue cl; little water at 85 ft. in sd
SE	30	8	6	L. Maarion	1963	B	24	3000	88	22	79		D	S		
SW	31	8	6			D	48	3250	40				N	H,A	Glacial sd & cl	0–40 cl & sd; well caved in (GSC-I)
NW	36	8	6			D	48	3600	16	12		G	D	S	Glacial cl	0–16 yellow cl (GSC-I)
SE	1	8	7			D		3250	18	9		G	D	S	Glacial blue cl	0–8 yellow cl, 8–18 blue cl with many stones (GSC-I)
4	1	8	7	Midland	1949	Dr	2c		750			G	D	S	Lower Milk River ss	(GSC-I)
NW	1	8	7			D	48s	3370	28	13	20	G	D	MH,A	Glacial sd	0–21 yellow cl, 21–28 blue cl
SE	2	8	7		1922	D		3320	10	0		G	D,S	H	Glacial cl	0–10 yellow cl; varies with water level of dam (GSC-1)
NW	2	8	7			B	24	3240	85	50		G	S	H,A	Bearpaw sh	0–40 yellow cl, 40–65 blue cl, with 6 ft. of coal, 65–85 soft sh (GSC-I)
NE	3	8	7			D	48s	3200	85	D						0–50 yellow cl, 50–80 blue cl, 80–82 coal, 82–85 ss (GSC-I)
NE	7	8	7			D		2900	10	7		G	S	H,A	Glacial gr	0–7 cl, 7–10 gr (GSC-I)
NE	12	8	7			B	24	3410	17	0	7-7.5	G	D	S	Glacial sd	0–17 yellow cl (GSC-I)
NE	13	8	7		1931	B	24	3440	50	35		P	D,S	H,A	Glacial sd & rocks	0–35 yellow cl, 35–50 blue cl, 50 sd & gr (GSC-I)
SW	19	8	7		1933	Dr	3,2	2860	850	+8	835–850	8	S	S,So	Belly River & Milk River ss	0–260 cl & blue cl?, 260–850 sh; 54°F (GSC-I)
NW	20	8	7			D	48s	3010	14	10	12	G	D	H,A	Glacial sd	0–14 cl, 14 sd (GSC-I)
N1/2	21	8	7			D		3150	30	D						0–30 yellow cl (GSC-I)
NE	25	8	7			D	48s	3300	24	D						Caved in (GSC-I)
NW	25	8	7			Dr	5	3210	179	60		G	D,S	S,So	Bear Paw (fine sd)	0–5 yellow cl, 5–60 blue cl, 60–170 dark blue cl, 170–179 sh, fine sd at 60 ft. & 165 ft.; not used now (GSC-I)
SW	25	8	7		1933	D	48s	3300	14	10		P	D	H,A	Glacial cl	0–14 cl; water is laxative (GSC-I)
SE	26	8	7			S		3200		0		G	S	H,A	Bearpaw coal	(GSC-I)
NE	27	8	7		1909	D		3190	23	3		G	D,S	H	Glacial sd & gr	0–23 yellow cl with 6in. of sd & gr (GSC-I)
NW	27	8	7		1920	D		3180	12	9			D,S	S	Glacial sd	0–1 soil, 1–12 sd
SW	27	8	7			D		3120	25	15		G	D,S	H,A	Glacial sd	0–22 yellow cl, 22–25 sd
NW	30	8	7		1931	Dr		2870	80	70			D,S	H,A	Glacial blue cl	0–30 yellow cl, 30–80 blue cl; water is laxative and poor (GSC-I)
SW	32	8	7			D		3040	24	20			D,S	H	Glacial	Not used now (GSC-I)
SE	32	8	7			D		3050	14	10	10	G	D,S	MH	Glacial sd	0–10 yellow cl, 10–14 sd
SE	32	8	7			B	24	3050	40	14		G	S	H,A	Glacial gr	0–14 yellow cl, 14–28 gr, 28–40 blue cl; varies with water level of dam (GSC-I)
SW	32	8	7		1963	B	24		40	15				S		
NE	34	8	7			D		3180	12	9		G	N	S	Glacial sd	0–1 soil, 1–12 sd (GSC-I)
	34	8	7			Dr		3030			1060–1350		O		Milk River sands	Water is salty
SW	36	8	7			D	48s	3220	20	15	20		D,S	H,A,I	Glacial sd	0–20 cl (GSC-I)
NW	36	8	7			D	48s	3200	12	6		G	D,S	H,A	Glacial sd	0–6 cl, 6–12 sd (GSC-I)
NE	36	8	7			S		3200				G	S	S,A		Coal 10 in. thick, continuous flow (GSC-I)
NW	4	8	8			Dr			740			7	N	S,So	Lower Milk River ss	Some gas present
	5	8	8			S		2650				G	S	H,A	Belly River	Flowing from base of coal seam, has a laxative effect (GSC-I)
SW	6	8	8		1915	Dr	6	2800	84	34	80	G	D,S	H,A	Belly River	0–34 cl, 34–84 sh (GSC-I)
NE	7	8	8		1927	Dr	2	2731	700	+2	685		D,S	S	Lower Milk River	Foremost, Pakowki, Upper Milk River, 685 br (GSC-I)

Water-Well Records, West of the Fourth Meridian (Cont'd.)

Location West of 4th Mer. Lsd or 1/4	Sec.	Tp.	R.	Driller	Year drilled	Type of well	Hole diam. (in.)	Surface elev. (ft.)	Well depth (ft.)	Water depth (ft.)	Aquifer depth (ft.)	Yield or test rate (gpm)	Test results Drawdown or recovery (ft.)	Time (min.)	Use	Quality	Aquifer	Lithologic log, chemical analysis, and remarks
	7	8	8			Dr		2753	719			5			D	S	Lower Milk River	Foremost, Pakowki, Upper Milk River; flow at 600 ft.(GSC-I)
	9	8	8			Dr	4,2	2628	670	+20	580	12			D, S	S, So	Lower Milk River	Foremost, Pakowki, Upper Milk River; flow at 670 ft.(GSC-I)
NW	13	8	8			D	48s	2845	36	24		G			D, S	H	Glacial gr	0-36 cl; not used now (GSC-I)
	19	8	8			D		2716									Lower Milk River	Foremost, Pakowki, Upper Milk River (GSC-I)
SE	21	8	8		1933	Dr	2?		665	+3		6			S	S, So	Milk River ss	Foremost, Pakowki; 52°F (GSC-I)
	26	8	8	Foremost	1954	Dr	2c		860			G			D, S	S	Lower Milk River ss	(GSC-I)
SE	28	8	8		1929	Dr	3,2c		666	+5		5			D, S	S, So	Lower Milk River ss	Foremost (GSC-I)
SE	30	8	8		1918	B	48	2750	50	40	50	G			D, S	H, A	Belly River coal	45°F (GSC-I)
NE	30	8	8		1920	Dr	3	2680	764	F	740	7			D, S	S, So	Lower Milk River ss	Foremost, Pakowki, Upper Milk River; 51°F (GSC-I)
	35	8	8		1948	Dr	2c		750	F		G			S	S	Lower Milk River ss	(GSC-I)
SE	1	8	9		1934	Dr	2	2800	745	+20	725-745	2			D, S	S, So	Lower Milk River ss	Belly River, 725 br (GSC-I)
SE	2	8	9			Dr	1 1/4c	2752	760	+20	745-760	3			D, S	S, So	Lower Milk River ss	Belly River, Pakowki; 51°F (GSC-I)
NW	2	8	9	Foremost	1952	Dr	2c		411			G			D, S	S	Lower Milk River ss	(GSC-I)
SE	3	8	9			Dr	6,2c	2743	765	+20	750-765	3			D, S	S, So	Lower Milk River ss	Belly River, Pakowki; 51°F (GSC-I)
NW	4	8	9			B	24	2730	104	73	104	G			D, S	H, A	Coal (Belly River)	0-90 cl, 90-104 sh (GSC-I)
SW	5	8	9		1914	Dr	6c		130	90	130				D, S	S, So		130 gr
E1/2	5	8	9		1935	D	48s	2720	20	10		G			S	H, A	Glacial sd	0-10 yellow cl, 10-20 blue cl & sd (GSC-I)
SE	6	8	9		1914	Dr	6,4c		243	218	180,243				D, S	S, So		243 gr
NE	6	8	9		1912	D	36c		16	6	12	<1			D	H		12-16 gr
SE	7	8	9		1927	Dr	6		740	F	680	3			D, S	S, So	Lower Milk River ss	Dr, Pale Beds, Foremost, Pakowki (GSC-I)
SE	9	8	9		1935	Dr	3c	2710	925	+20	725-745	5			D, S	S, So	Lower Milk River ss	0-745 sh, 745-925 Colorado sh (GSC-I)
NE	9	8	9			D		2700	53	48		P			D, S	H, I	Glacial sd	0-24 cl, 24-35 sd (GSC-I)
	12	8	9	Midland	1950	Dr	2c		752	F		G			D, S	S	Lower Milk River ss	(GSC-I)
SE	13	8	9		1928	Dr	4	2719	706	+3	706	9			D, S	S, So	Lower Milk River ss	Dr, Belly River, Pakowki; 52°F (GSC-I)
SE	14	8	9	Foremost		Dr	2c		859	F		G			S	S	Milk River sd	(GSC-I)
NE	14	8	9			B	24	2660	86	46		G			S	H, A	Foremost	0-15 yellow cl, 15-50 sh, 50-86 sh & ss, coal at 50 ft. and 75 ft.
SW	15	8	9		1922	D		2690	20	10		G			D, S	H, A	Glacial quicksand	0-8 cl, 8-10 gr, 10-20 quicksand (GSC-I)

NE	15	8	9			Dr	24?	2600	66	28			S	H,A	Coal	(GSC-I)
NE	16	8	9			D	48s		40	D						(GSC-I)
SW	16	8	9			B	48s	2700	44	14			D,S	S	Glacial cl	(GSC-I)
NE	18	8	9			D		2740	35	27		P	S	H,A	Glacial sd	0-35 sd; not used now (GSC-I)
SE	19	8	9			D		2740	28	20			D,S	S	Glacial sd	0-8 cl, 8-12 sd, 12-28 hard red cl; supply varies each year (GSC-I)
NE	22	8	9		1928	D	48s	2610	20	10	18	G	D,S	H,I	Sd	0-10 cl, 10-20 ?; 44°F (GSC-I)
NE	22	8	9	Seaman	1958	Dr	4 3/4	2650	880	F		G	D,S	S		0-94 cl, 94-202 blue sh, 202-206 ss, 206-237 blue sh, 237-250 ss, 250-256 ?, 256-284 blue sh, 284-306 ss, 306-478 blue sh, 478- 500 ss, 500-638 blue sh, 638- 880 Milk River ss
SE	23	8	9	Foremost	1951	Dr	2c		800			G	S	S	Lower Milk River ss	
SE	23	8	9			Dr	6	2635	86	40	86	G	S	H,A	Blue cl	Dr, Belly River, Pakowki; 45°F (GSC-I)
NW	23	8	9		1925	D	42s	2555	20	0	20	G	D,S	H,A	Glacial cl	45°F (GSC-I)
NE	24	8	9		1929	Dr	3,2c	2726	775	F	760-775	<1	D,S	S,So	Lower Milk River ss	Belly River, Pakowki (GSC-I)
SW	25	8	9			D	48s	2585	25	15	25	G	D,S	H,A	Sd	19-25 sd, dr, Belly River; 44°F (GSC-I)
	25	8	9		1951	Dr	3,2c		773			G	S	S	Lower Milk River ss	(GSC-I)
SE	34	8	9		1918	D	48s	2550	14	8	14	P	D,S	H,A,I	Glacial gr	0-10 cl, 10-14 sd; 45°F (GSC-I)
NE	34	8	9			B	24	2620	90	81	90	G	D,S	H,A	Belly River sandy sh	0-65 yellow cl, 65-90 blue cl, 80 fine coal seam (GSC-I)
SW	36	8	9		1931	D	48s	2575	12	9	12	G	D,S	H,A,I	Glacial gr	0-12 cl; 45°F (GSC-I)
SW	1	8	10		1917	B	30		82	67	65,80		D,S	H,So	Gr	65 seepage in gr, 80 gr
SE	1	8	10		1920	Dr	2	2819	750	F	730	3	D,S	S,So	Milk River ss	Dr, Foremost, Pakowki; original flow at 6 gpm, 52°F (GSC-I)
	2	8	10			Dr		2842	800					S,So	Milk River ss	Foremost, Pakowki, Upper Milk River; some gas present, 52°F (GSC-I)
SE	4	8	10		1917	Dr	2		750	F	725	10	D,S	S,So	Milk River ss	Dr, Pale Beds, Foremost, Pakowki; 52°F (GSC-I)
	5	8	10			Dr		2839	700	4					Milk River ss	Foremost, Pakowki (GSC-I)
1	6	8	10			Dr		2833	684	F	684	10			Lower Milk River ss	Foremost, Pakowki, Upper Milk River (GSC-I)
NW	6	8	10		1917	Dr	6,2c	2833	707	+4	677	.5	D,S	S,So	Milk River ss	Some gas, 58°F (GSC-I)
NW	7	8	10		1916	Dr	2	2806	726	F	726	8	D,S, Ir	S,So	Milk River	Dr, Belly River, Pakowki; 52°F (GSC-I)
SW	9	8	10			B		2830	60		60	G	D,S	H,A	Foremost coal	(GSC-I)
SE	9	8	10		1934	B	24	2830	58	24	56-58	G	D,S	H,A	Foremost coal	Belly River (GSC-I)
SW	10	8	10		1925	Dr	1 1/2 1c	2844	750	F	725-748	.5	D,S	S,So	Milk River ss	Dr, Belly River, Pakowki, 60 br (GSC-I)
NE	13	8	10		1918	D	48s		30	25	28	G	D,S	H,I	Glacial dr (cl)	0-30 cl; 46°F (GSC-I)
SW	15	8	10			D		2820	25	D					Glacial dr (cl)	(GSC-I)
NW	15	8	10		1930	D	48s	2825	45	40	45	G	D,S	H,A,I	Glacial gr	0-45 cl; 46°F (GSC-I)
SE	16	8	10			Dr	6	2800	80		80	G	D,S	H,A	Foremost coal	Belly River (GSC-I)
SW	17	8	10			Dr	4,2c	2815	150	135		G	D,S	H	Foremost	(GSC-I)
NW	17	8	10			Dr	2	2815	825	0	805-825	G	D,S		Milk River ss	Belly River, Pakowki (GSC-I)
NE	20	8	10		1920	Dr	2c	2835	900	0	880	G			Milk River ss	(GSC-I)
N1/2	20	8	10			Dr		2811	780	F	780	2			Milk River	(GSC-I)
NE	21	8	10			D	48s	2815	28	22	22	G	D,S	H	Glacial sd	(GSC-I)
NW	22	8	10		1925	D	48s		75	70	75	G	D,S	H,A,I	Foremost blue cl	Dr; 46°F (GSC-I)
NW	24	8	10		1951	Dr	3,2c		873			G	P	S	Milk River ss	

Water-Well Records, West of the Fourth Meridian (Cont'd.)

Location West of 4th Mer. Lsd or 1/4	Sec.	Tp.	R.	Driller	Year drilled	Type of well	Hole diam. (in.)	Surface elev. (ft.)	Well depth (ft.)	Water depth (ft.)	Aquifer depth (ft.)	Yield or test rate (gpm)	Test results Drawdown or recovery (ft.)	Time (min.)	Use	Quality	Aquifer	Lithologic log, chemical analysis, and remarks
SW	25	8	10		1930	B	24	2790	55	40	55	G			D, S	H, A, I	Foremost sd	0-15 dr, 15-55 hard blue cl (GSC-I)
E1/2	29	8	10			Dr		2796	765	F	765						Milk River	Artesian (GSC-I)
SE	30	8	10		1929	Dr	2	2815	850	+3	830-850	G			D, S	S, So	Milk River ss	Belly River, Pakowki (GSC-I)
SE	32	8	10		1922	Dr	2	2855	925	4	900	G			D, S	S, So	Milk River ss	(GSC-I)
NE	33	8	10			Dr	6		125	100		P			S	H, A, I	Foremost ss	(GSC-I)
E1/2	2	8	11			Dr	2	2775	640	+3	640	G			D, S	S, So	Milk River ss	Foremost, Pakowki; 42°F (GSC-I)
NW	3	8	11			Dr	2 1/2c		800			G			D, S	S	Lower Milk River ss	(GSC-I)
NW	3	8	11		1919	Dr	2	2770	655	+4	655	.5			D, S	S, So	Milk River ss	0-275 dr, 275-575 grey sh, 575-650 hard brown mud (all depths are approximate)
SE	6	8	11		1917	D	36s	2760	20						S	H	Glacial sd	49°F (GSC-I)
SE	6	8	11		1921	Dr	2		646	+4		.5			D, S	S, So	Milk River ss	Foremost, Pakowki, some gas (GSC-I)
NE	7	8	11			Dr	2	2730	615	+2	615	3			D, S	S, So	Milk River ss	0-200 dr, 200-550 Foremost (grey sh), 550-615 Pakowki (hard brown pan); 42°F (GSC-I)
SW	15	8	11			Dr	2	2765	650	F	650	G			D, S	S, So		0-250 dr, 250-550 grey dark sh, 550-620 hard brown mud (GSC-I)
NE	17	8	11		1948	Dr	3,2c		756	30		G				S	Lower Milk River ss	(GSC-I)
NE	17	8	11		1922	Dr	2	2735	630	3	630	G			D, S	S, So	Milk River sd	0-100 blue cl, 100-300 blue cl & brown sd, 300-550 grey sh, 550-630 hard brown mud (GSC-I)
SW	20	8	11		1924	Dr	2	2730	640	+4	640	.5			D, S	S, So	Milk River sd	42°F (GSC-I)
NW	22	8	11			Dr	2	2745	645	+5	645	.5			D, S	S, So	Milk River sd	0-300 dr, 300-645 grey sh grading into hard brown mud with 20 in. of hard slate at bottom (GSC-I)
SW	23	8	11			Dr	2	2621	2078	F	490				D, S	S, So	Milk River sd	0-490 dr, Foremost, Pakowki, 490-2078 Colorado; gushing because of gas (GSC-I)
SW	27	8	11			Dr		2635	500		500	<1			D, S	S, So	Milk River sd	42°F (GSC-I)
NE	29	8	11			Dr	2	2710	630	F	630				D, S	S, So	Milk River	Foremost, Pakowki; not used now (GSC-I)
W1/2	30	8	11			Dr	3	2714	637	+8	637				D, S	S, So	Milk River sd	Foremost, Pakowki; 42°F (GSC-I)
SE	33	8	11			Dr	2	2705	630	+20	720?	3			D, S	S, So	Milk River sd	Foremost, Pakowki; 42°F (GSC-I)
	2	8	12	Midland	1950	Dr	3,2c		854	0					D, S	S	Lower Milk River ss	(GSC-I)
NE	3	8	12		1928	Dr	2	2790	645	F	645	10?			D, S	S, So	Milk River ss	0-100 dr, 100-645 Belly River, Foremost ss, Pakowki sh (GSC-I)
NW	10	8	12		1918	Dr	2	2753	625	+5	400	5?			D, S	S, So	Milk River ss	0-100 dr, 100-400? coal seam, 400-625 hard sh (GSC-I)
NE	12	8	12	Midland	1950	Dr	3,2c		832	0		G			D, S	S	Lower Milk River ss	(GSC-I)
NE	12	8	12			Dr	2	2740	650	+3	650	3?			D, S	S, So	Milk River ss	Foremost, Pakowki (GSC-I)
NW	12	8	12			Dr	2	2745	630	+3	630	20			D, S	S, So	Milk River ss	Foremost (ss), Pakowki (dark sh), Belly River (GSC-I)
NE	13	8	12	E. Kiengle		Dr	3,2c		800			G			D, S	S	Lower Milk River ss	(GSC-I)
SE	14	8	12		1937	Dr			730								Milk River	(GSC-I)
NE	20	8	12		1923	Dr	2	2745	655	+2	655	15?			D, S	S, So	Milk River ss	(GSC-I)
SW	24	8	12	Midland	1950	Dr	3,2c		773			G			D, S	S	Lower Milk River ss	(GSC-I)

NE	27	8	12	Foremost	1951	Dr	3,2c		753			G	D,S	S	Lower Milk River ss	(GSC-I)
NE	33	8	12		1923	Dr	2	2703	640	+2	640	10?	D,S	S,So	Milk River ss	Dr, Foremost (dark ss), Pakowki sh (GSC-I)
SW	36	8	12			Dr	2	2693	640	+2	640	8?	D,S	S,So	Milk River ss	Dr, Foremost ss, Pakowki sh (GSC-I)
NE	36	8	12		1920	Dr	2	2693	650	+2		15	D,S	S,So	Milk River ss	Dr, Foremost ss, Pakowki sh (GSC-I)
SE	4	8	13			Dr	2	2825	650	F			D	S,So	Milk River ss	(GSC-I)
NW	10	8	13		1919	Dr	2	2800	675	5	675	G	D,S	S,So	Milk River ss	(GSC-I)
NE	11	8	13		1917	Dr	4 1/4	2781	633	180	270	91.7	D,S	S,So	Foremost	0-60 cl, sd & sh, 60-67 sh & cl, 67-306 Foremost, 306-630 Pakowki, 630-633 Milk River (GSC-I)
	14	8	13	Midland	1950	Dr	3,2c		813	F		G	D,S	S	Lower Milk River ss	(GSC-I)
NE	15	8	13		1918	Dr	2	2771	665	+5	665	7	D,S	S,So	Milk River ss	0-57 subsoil, cl & boulders, 57-89 blue cl, 89-665 blue sh (GSC-I)
SW	21	8	13	E. Kiengle	1956	Dr	3,2c		840			G	D,S	S	Lower Milk River ss	(GSC-I)
	22	8	13			Dr	5 5/8, 4 1/4c		285	F				H,I		0-60 cl & boulders, 60-80 blue cl, 80-92 yellow cl & sd, 92-118 blue cl & a little gr, 118-146 yellow cl & sd, 146-155 soft brown sh, 155-234 ? 234-240 dry sd; strong flow (GSC-I)
NE	22	8	13		1918	Dr	2	2751	665	+5	602	G	D,S	S,So	Milk River ss	(GSC-I)
NE	23	8	13		1931	Dr	2		650	+5	650	12	D,S	S,So	Milk River ss	(GSC-I)
NE	24	8	13	Foremost		Dr	2c		750			G		S	Milk River sd	(GSC-I)
NE	27	8	13		1954	Dr	3,2c		800			G	D,S	S	Lower Milk River ss	(GSC-I)
SE	29	8	13	Midland	1950	Dr	3,2c		800	F		G	D,S	S	Lower Milk River ss	(GSC-I)
SE	30	8	13		1918	Dr	2	2791	670	+5	670	1.5	D,S	S,So	Milk River ss	(GSC-I)
SE	31	8	13		1918	Dr	2	2765	675	+5	675	G	D,S	S,So	Milk River ss	Well has stopped flowing now. (GSC-I)
SE	31	8	13			Dr	5 5/8, 4 1/4c		316	201	314					0-70 dr; seepage at 70, 90, 294 (GSC-I)
SE	31	8	13	Midland	1948	Dr	3,2c		750			G	D,S	S	Lower Milk River ss	(GSC-I)
SE	33	8	13		1918	Dr	2	2720	660	+4	630	2	D,S	S,So	Ss	(GSC-I)
NE	33	8	13	Foremost	1953	Dr	3,2c		762			G	D,S	S	Lower Milk River ss	(GSC-I)
NE	35	8	13		1918	B	24		60	24			D,S	H	Foremost sd?	45°F (GSC-I)
NE	10	8	14		1922	D	48	2855	26	22	26	G	D,S	H	Glacial sandy cl	0-22 dr; 42°F (GSC-I)
NE	11	8	14			D	48	2845	12	9	12	G	D,S	H	Glacial sd	0-9 cl, 9-12 sd; 42°F (GSC-I)
NE	20	8	14			D	48	2805	24	20	20-24	G	D,S	H	Glacial sd	0-20 dr, 20-24 sd; 42°F (GSC-I)
SW	21	8	14			D	48		21			P	N		Foremost?	42°F (GSC-I)
NE	22	8	14			D	48	2790	24	19	19-24	G	D,S	H	Glacial cl	0-19 dr, 19-24 sandy cl; 42°F (GSC-I)
NW	22	8	14		1928	Dr	2	2790	870	+9	870	3	D,S	S,So	Milk River sd	Foremost, Pakowki; 42°F (GSC-I)
SE	22	8	14			D	48s	2820	35	25	25-35	G	D,S	H	Glacial gr	0-35 boulder cl (GSC-I)
NW	23	8	14		1927	D	48s	2825	52	45	52		S	H,A, Su	Glacial gr	0-52 cl & stones, coal in dr (GSC-I)
SW	23	8	14			D	48s	2810	11	6		G	D,S	H	Glacial gr	0-4 cl, 4-11 sd (GSC-I)
SW	24	8	14		1924	Dr	2	2830	735	+3	735	G	D,S	S,So	Milk River	0-175 dr, 175-735 grey & dark sh, grading into fine brown deposits with a very hard pan bottom; 42°F (GSC-I)
SE	25	8	14			D	48s	2775	21	18		G	D,S	H	Glacial sd	0-18 dr, 18-21 sd; 43°F (GSC-I)
SW	25	8	14			D	48s	2770	20	17		G	D,S	H,I	Glacial sd	0-17 blue cl, 17-20 sd (GSC-I)

Water-Well Records, West of the Fourth Meridian (Cont'd.)

Location West of 4th Mer. Lsd or 1/4	Sec.	Tp.	R.	Driller	Year drilled	Type of well	Hole diam. (in.)	Surface elev. (ft.)	Well depth (ft.)	Water depth (ft.)	Aquifer depth (ft.)	Yield or test rate (gpm)	Test results Drawdown or recovery (ft.)	Time (min.)	Use	Quality	Aquifer	Lithologic log, chemical analysis, and remarks
SE	26	8	14			D	48s	2780	22	18		G			D, S	H	Glacial sd	0-18 dr, 18-22 sd; 43°F (GSC-I)
SW	28	8	14			D	48s	2800	20	17		P			D, S	H	Glacial sd	0-17 dr, 17-20 sd; 42°F (GSC-I)
SE	30	8	14			D	48s	2840	26	23	26	G			S	H, A	Glacial sd	0-23 dr, 23-26 black dirt & stones (GSC-I)
SW	30	8	14		1918	D	72		34	20					D, S	H, A	Glacial cl	42°F (GSC-I)
NW	30	8	14			D	48s	2810	10	6		G			D, S	H	Glacial sd	0-6 dr, 6-10 sd; 42°F (GSC-I)
SE	34	8	14			D	48s	2760	20	17	20	G			D, S	H	Glacial sd	0-20 dr; 42°F (GSC-I)
SW	36	8	14			D	48s	2760	25	20		G			D, S	H	Glacial sd	0-20 dr, 20-25 sd; 42°F (GSC-I)
SE	5	8	15		1963	Dr	3,2c		885			G			D, S	S	Lower Milk River ss	(GSC-I)
SE	6	8	15			D	48s	2885	30	22		G			D, S	H	Glacial sd	0-22 cl, 22-30 sd; 42°F (GSC-I)
NE	11	8	15			D	48s	2800	23	21		P			D, S	H	Glacial cl	0-21 till, 21-23 sd; 42°F (GSC-I)
SE	12	8	15			D	48s	2800	12	7		G			D, S	H, A	Glacial sd	0-12 cl; 42°F (GSC-I)
NW	13	8	15			D	48s	2785	42	37		P			S	H, A	Glacial dr	0-42 cl, with 6 in. sd (GSC-I)
NE	14	8	15			B	24	2815	62	48	62				S	H, A, I	Glacial dr	0-62 cl; not used now, 42°F (GSC-I)
SW	15	8	15			B	24	2790	58	51		G			S	H, A, I	Glacial sd	0-51 dr, 51-58 sd; 42°F (GSC-I)
SW	15	8	15	Foremost	1951	Dr	3,2c		900			G			S	S	Lower Milk River ss	
NE	17	8	15		1917	D	48s	2770	30	22		P			S	H, A	Glacial cl	0-30 boulder cl (GSC-I)
NE	21	8	15		1932	D	48	2750	20	5		G			D	H	Glacial cl	0-20 dark brown boulder cl (GSC-I)
NW	22	8	15			B	24	2760	40	34		G			S	H, A	Glacial dr?	42°F (GSC-I)
SW	33	8	15	Midland	1950	Dr	3,2c		832			G			D, S	S	Lower Milk River ss	(GSC-I)
NW	33	8	15		1917	Dr			850		850	G			S	S	Milk River ss	(GSC-I)
SE	34	8	15		1910	D	48s	2815	25	20					S	H, A	Glacial cl	0-25 boulder cl (GSC-I)
SW	36	8	15			Dr			890	+3		<1			S		Milk River ss	45°F (GSC-I)
SW	1	8	16		1914	Dr	6c	2918	120	30		G			S	H, A	Belly River	115 sh (GSC-I)
NE	7	8	16		1930	B	24	2906	75	40					S	H, A	Belly River	0-20 cl, 20-70 ss, 70-75 sh; water at 75 ft. is soft soda. (GSC-I)
NE	8	8	16	Foremost		Dr	3,2c		912	F		G			S	S	Milk River sd	(GSC-I)
NE	8	8	16	Midland	1950	Dr	3,2c		932	0		G			D, S	S	Lower Milk River ss	(GSC-I)
NE	8	8	16	Maughan	1958	Dr	4 1/2, 2c		776	40		6	150	300	D, S	S	Milk River ss	0-60 rocks & boulders, 60-775 sh
NW	8	8	16		1927	Dr	6c	2904	140			G			S	H, A		(GSC-I)
NE	10	8	16		1918	Dr	6c	2924	250	45		G			S	S, So	Belly River	(GSC-I)
NW	12	8	16		1915	Dr	6c	2904	150	140		<1			S	H, A	Belly River	145 black sh; water is bitter tasting. (GSC-I)
NW	14	8	16		1931	D	48s	2879	39	22					D, S	H	Glacial sd	0-30 cl, 30-39 coarse sd (GSC-I)
NW	15	8	16		1917	B	36	2895	80	45		<1			S	H	Glacial sd	(GSC-I)
NW	16	8	16	Midland	1950	Dr	3,2c		912			G			D, S	S	Lower Milk River ss	(GSC-I)
NE	19	8	16		1935	D		2856	35	32		<1			D, S	H	Belly River	33 black sh (GSC-I)
NE	20	8	16		1927	Dr	6c	2870	258	50					S	S, So	Belly River	0-1 soil, 1-40 yellow & blue cl, 40-50 ss, 50-90 ?, 90-93 coal
SW	21	8	16		1928	D	36s	2878	20	19		<1			S	H, A	Belly River	0-20 cl, 20-? ss (GSC-I)
SE	22	8	16		1921	B	42	2902	90	80					S	H	Glacial sd	0-40 blue cl, 40-50 sd, 50-90 blue gumbo (GSC-I)

SW	23	8	16		1925	D	42s	2882	18	12	G	D,S	S	Glacial sd	(GSC-I)
SE	25	8	16	Midland	1950	Dr	3,2c		880	F	3	D,S	S	Lower Milk River ss	(GSC-I)
SE	25	8	16		1916	D	48	2734	60	30		N	H,A	Belly River	(GSC-I)
	29	8	16	Midland	1949	Dr	3,2c		880	F	3	D,S	S	Lower Milk River ss	(GSC-I)
NW	29	8	16		1928	B	48	2809	90	36		S	H,A	Belly River	20 sh (GSC-I)
SE	30	8	16		1930	B	30	2833	58	20		D,S	H,A	Belly River	50 sh (GSC-I)
NE	31	8	16		1927	D	42s	2754	28	6		S	H,A,I	Belly River	23 sh (GSC-I)
	32	8	16	Midland	1949	Dr	3,2c		853	F	2	D,S	S	Lower Milk River ss	(GSC-I)
NW	33	8	16		1918	D	48s	2758	37	16		S			(GSC-I)
NE	34	8	16	Midland	1949	Dr	3,2c		880	F	2		S	Milk River ss	(GSC-I)
NW	34	8	16	E. Kiengle	1956	Dr	3,2c		880		G	D,S	S	Milk River ss	(GSC-I)
	34	8	16	Foremost	1952	Dr	3,2c		875	F	G	S	S	Milk River ss	(GSC-I)
NW	36	8	16		1926	Dr	6,3, 2c	2750	650	+3		D,S	S	Milk River ss	Water is salty (GSC-I)
NE	5	8	17		1934.	Dr	6c	2971	150	68	1	D,S	H,A	Belly River	90-94 ss (GSC-I)
NE	12	8	17		1928	Dr	6c	2944	100	60	G	S	S,So	Belly River	50 ss (GSC-I)
NE	15	8	17		1918	Dr	6c	2908	204	110	G	S	S,So	Belly River	0-1 soil, 1-40 cl, 40-45 sd, 45-95 blue cl, 95-105 fine sd, 105-145 blue sh, 145-201 ss, 201-204 sh (GSC-I)
NW	28	8	17		1923	Dr	6c	2883	250			S	S,So	Belly River	60 ss (GSC-I)
SE	29	8	17		1919	Dr	6c	2894	300		P	N	VH,A	Belly River	(GSC-I)
NW	33	8	17		1920	Dr	6c	2859	200	60	G	S	S,So	Belly River	Not used now (GSC-I)
NW	35	8	17		1923	D	48s	2815	20	18		D,S	H	Glacial dr	60 ss (GSC-I)
NW	36	8	17		1914	Dr	6c	2807	257	150	G	S	S,So	Belly River	(GSC-I)
SW	1	8	18		1935	D	48s	3028	27	26	G	S	H,A	Glacial sd	(GSC-I)
SE	3	8	18		1929	D	48c	3065	16	14		D	H	Glacial sd	(GSC-I)
NW	4	8	18		1934	D	42s	3094	27	24		D	H	Glacial dr	(GSC-I)
SE	5	8	18		1919	Dr	6c	3075	295	40	G	D,S	S,So	Belly River	290-295 ss (GSC-I)
SW	6	8	18		1930	D	48c	3060	18	10		D,S	H	Glacial dr	(GSC-I)
NE	22	8	18		1932	Dr	6c	2972	175	20	7	D,S	H,I	Belly River	175 ss (GSC-I)
	33	8	18			Dr			2261	270				Milk River	(GSC-I) Has five other dry holes (GSC-I)
SW	2	8	19		1933	D		3062	50	D		D	H	Glacial sd	(GSC-I)
NW	4	8	19		1922	D	36c	3063	55	51	<1	D,S	S,So	Belly River	180 ss (GSC-I)
NW	6	8	19		1928	Dr	6c	3068	306	100	<1	D,S	S,So	Belly River	180 ss (GSC-I)
SW	7	8	19		1916	Dr	6c	3063	380	100	G	D	H	Glacial gr	(GSC-I)
NW	11	8	19		1931	D	48s	3026	18	9		D,S	S,So	Belly River	(GSC-I)
SW	25	8	19		1912	Dr	6c	2925	174	90	G	D,S	S,So	Belly River	Not used now (GSC-I)
NW	25	8	19		1912	Dr	6c	2905	200	102	G	N	S,So	Belly River	(GSC-I)
NE	25	8	19		1912	Dr	6c	2916	176	124	P	N	S,So	Belly River	(GSC-I)
SE	25	8	19		1912	Dr	6c	2932	182	107	P	N	S,So	Belly River	(GSC-I)
NE	26	8	19		1912	Dr	6c	2913	240	20	G	N	S,So	Belly River	(GSC-I)
SE	27	8	19		1912	Dr	6c	2922	180	100	P	D,S	S,So	Belly River	(GSC-I)
SW	27	8	19		1912	Dr	6c	2911	145	95	P	S	S,So	Belly River	(GSC-I)
NW	27	8	19		1912	Dr	6c	2897	184	92	P	N	S,So	Belly River	(GSC-I)
NE	27	8	19		1912	Dr	6c	2899	181	85	G	N	S,So	Belly River	46°F (GSC-I)
SE	34	8	19		1916	Dr	6c	2890	200	104	G	S	S,So	Belly River	(GSC-I)
SW	34	8	19		1912	Dr		2886	215	155	P				(GSC-I)
NW	34	8	19		1916	Dr	6c		60	D		S	S,So	Glacial gr	(GSC-I)
NE	34	8	19		1912	Dr	6c	2890	240	150	G				

Water-Well Records, West of the Fourth Meridian (Cont'd.)

Location West of 4th Mer. Lsd or 1/4	Sec.	Tp.	R.	Driller	Year drilled	Type of well	Hole diam. (in.)	Surface elev. (ft.)	Well depth (ft.)	Water depth (ft.)	Aquifer depth (ft.)	Test results: Yield or test rate (gpm)	Drawdown or recovery (ft.)	Time (min.)	Use	Quality	Aquifer	Lithologic log, chemical analysis, and remarks
SE	36	8	19		1912	Dr	6c	2901	195	135		G			D, S	S, So	Belly River	(GSC-I)
SW	36	8	19		1912	Dr	6c	2902	200	115					N	S, So	Belly River	(GSC-I)
NW	36	8	19		1912	Dr	6c	2893	200	144		P			D, S	S, So	Belly River	(GSC-I)
NE	36	8	19		1912	Dr	6c	2892	169	134		P			N	S, So	Belly River	(GSC-I)
SE	1	8	20		1921	D	72s	3082	27						D, S	H, A	Glacial sd	(GSC-I)
SW	1	8	20	Maughan	1964	Dr	6		300	85	282	6			D	S		0-26 cl, 26-27 wet sd, 27-176 cl, 176-232 sd & silt, 232-271 cl, 271-300 sh
SE	2	8	20			Dr		3084	2835	70		G			S	S, So	Belly River	(GSC-I)
NW	3	8	20		1923	Dr	6c	3070	200	100					D, S	S, So	Belly River	Also has some dry wells (GSC-I)
SE	4	8	20			Dr	6c	3060	235	200					D, S	S, So	Belly River	(GSC-I)
NW	9	8	20		1910	D	42c	3047	23	15					D, S	H	Glacial sd	17 ft. lense of gr (GSC-I)
NW	26	8	20	United States Bureau of Reclamation		Dr		2912	94.5						St			0-0.85 silty cl loam, very hard when dry, plastic when moist, 10 YR 5/1 (grey) (dry), 10 YR 4/1 (dark grey) (moist), non-calcareous, pH about 7.0, lacustrine, 0.85-1.60 silty cl loam, very hard when dry, plastic when moist, moderately calcareous, 10 YR 6/2 (light brownish grey) (dry), pH 7.4-7.6, lacustrine, 1.60-3.12 silty cl loam-silty cl, hard (dry), plastic (moist), sticky (wet), very strongly calcareous, 10 YR 6/1 (grey) (dry), 10 YR 5/3 (brown) (wet), lacustrine, 3.12-4.72 light silty cl, moderately hard (dry), plastic (moist), lime mottled, sometimes flecks, very few sh fragments, 10 YR 7/2 (light grey) (dry), 10 YR 6/3 (pale brown), lacustrine, some evidence of sorted till, 4.72-9.72ssilty cl, moderately hard (dry), plastic (moist), strongly calcareous, weakly iron mottled, few fine gr & sh fragments, 10 YR 7/2 (light grey) (dry), 10 YR 5/3 (brown) (wet) lacustrine, lower portion transition to till, pH about 7.6, 9.72-10.25 cl-silty cl, gypsum & salt crystals, very hard, calcareous, plastic (moist), sh fragments, varve lines present, 10 YR 6/4 (light brown) (dry), 10 YR 5/4 (yellowish brown) (wet), lacustrine, 10.25-10.92 cl-silty cl, gypsum & salt crystals, very hard, calcareous, plastic (moist), sh fragments, varve lines present (dark cl & silty cl), 10 YR 6/4 (light brown) (dry), 10 YR 5/4 (yellowish brown) (wet), lacustrine, 10.92-12.34 alternate layers about 2-in thick of heavy silt loam, firm (dry), moderately calcareous, friable, 10 YR 7/3 (very pale brown & dense cl), very hard, "waxy," density probably 1.7-1.8, slightly moist, 10 YR 2/2 (very dark brown) (moist), 10 YR 3/3 (dark brown), non-calcareous (the cl is moist but silty loam is dry), 12.34-13.84 glacial till, sandy loam-sd yellow (near line), gravelly, poorly sorted in dense matrix, strong mottling, iron stains, weakly calcareous, 10 YR 6/3 (pale brown) (dry), 10 YR 5/3 (brown), hard (dry), very plastic (wet), 13.84-15.00 glacial till, sandy loam-sandy cl loam (near line), some gr, mottled with iron & manganese, weakly calcareous, firm, plastic, 10 YR 5/3 (brown) (moist), 15-20 glacial till, fine sandy cl loam-fine sandy loam with thin lenses & pockets of fine sd, strongly mottled with iron & manganese, 10 YR 6/3 (pale brown), few gr 1/16- to 1/2-in diameter, very dense, very hard (dry), plastic (moist), weakly calcareous, 20-25 fine sandy loam-fine sandy cl loam, occasional fine sd streaks, mottled, 10 YR 6/3 (pale brown), hard, plastic, dense (glacial till), very weakly calcareous, few gr 1/16- to 1-1/2-in diameter, streaks & lenses of fine sandy loam not over 1/2-in thick, 10 YR 6/3 (pale brown), 25-31.75 fine sandy loam-fine sandy cl loam, occasional fine sd streaks, mottled, 10 YR 6/3 (pale brown), hard, plastic, dense (glacial till), very weakly calcareous, few gr 1/16- to 1-1/2-in diameter, streaks & lenses of fine sandy loam not over 1/2-in thick, 10 YR 6/3 (pale brown), coal seam 1/2- to 1-in thick at 27.51, 31.75-53.58 fine sandy loam-fine sandy cl loam (near line), hard, dense, plastic, mottled gpysum & salt pockets, few gr, 10 YR 5/13 (brown) (moist), weakly calcareous (at 50 ft, 2 in of the core was dry), 53.58-58.0 very fine sandy loam, soft (moist), friable, very weakly calcareous, weakly mottled, loose (dry), density est. 1.3, occasional cl pockets 1/2- to 1-in diameter (2-in layer of silty cl at 58 ft), 10 YR 6/4 (light brownish yellow) (moist), 58.0-59.0 loam fine sandy, loose, friable, high calcareous, 1/4-in cl streaks, 10 YR 7/1 (light grey) (dry), 10 YR 6/1 (grey) (wet), unstable, not mottled, 59.0-59.3 lense of light sandy cl loam, moderately firm, weakly calcareous, with small pockets of highly calcareous loam, fine, sandy, mottled, 10 YR 5/3 (brown) (moist), 59.3-60 loam, fine, sandy, loose, friable, highly calcareous, 1/4-in cl streaks, 10 YR 7/1 (light grey) (dry), 10 YR 6/1 (grey) (wet), unstable, not mottled, 60-65 loam, fine, sandy, loose, weakly mottled, weakly calcareous, 10 YR 6/3 (pale brown) (moist), 65-70 loam, fine, sandy, (pockets of fine sandy loam), strongly mottling & streaks (appears to be due to organic debris), 10 YR 7/4 (very pale brown) (moist), streaks are 10 YR 3/2 (very dark greyish brown), loose, friable, moderately calcareous, 70-72.4 fine sd-loam, fine, sandy, 10 YR 6/3 (pale brown) (moist), loose, no mottling, very weakly calcareous, 72.4-78.50 fine sandy loam with silty cl lenses, the fine sandy loam is loose, friable, weakly calcareous, 10 YR 7/4 (very pale brown) (moist), silty cl lenses varying in thickness from 2 in to 4 in, dense, plastic, only very slight reaction with hydrochloric acid, 10 YR 4/2 (dark greyish brown), silty cl lenses at 72.4, 73, 75.5, 78, 78.5-80.3 fine sandy loam, moderately firm, friable, noncalcareous, weakly mottled, 10 YR 6/3 (pale brown) (moist), 80.3-82 fine sd (salt & pepper type - white grains predominate), loose, weakly calcareous, 10 YR 6/3 (pale brown) (moist), 82-83 stratified layers of fine sandy loam and cl loam, mottled iron, pockets of clean sd, non-calcareous, friable, 10 YR 6/2 (light brownish grey) (wet), 83-94.5 fine sd, 10 YR 6/2 (light greyish brown) (wet) (salt & pepper type), no mottling, grains subrounded, separates are uniform size, well sorted, loose

4	3	8	21	Big Indian		Dr	6 1/4		352	196	196	1	86	240	D, S			0–67 sandy brown cl, 67–79 sh with sd, ss layers, 79–141 grey sh, 141–142 ss, 142–164 hard brown sh, 164–170 ss with sh ledges, 170–178 sh with soft ss layers, 178–186 grey ss with sh layers, 186–192 soft sh, 192–196 sh & ss layers, 196–204 ss, 204–208 sh, 208–216 ss, 216–219 sh, 219–228 ss with layer of sh, 228–239 sh & ss layers, 239–245 ss with layers of sh, 245–262 sh with streaks of ss, 262–352 sh with small ss layers
SE	4	8	21	Big Indian		Dr	6 1/4		150	18	127	.5	120 0	30	N			0–80 sandy cl & rocks, 80–102 sandy cl & boulders, 102–127 sandy grey cl & rock, 127–130 hard gr or broken ss, 130–142 hard brown sh, 142–146 ss ledges, 146–150 hard brown sh; casing pulled and well abandoned, insufficient quantity
1	4	8	21	Big Indian	1962	Dr	6 1/4		520	81		3	419 0	60				0–12 sandy brown cl & rocks, 12–16 sd, 16–37 sandy brown cl & rocks, 37–55 cl & rocks, 55–64 brown cl & rocks, 64–75 brown cl & rocks, gr streaks, 75–80 cl, rocks & boulders, 80–102 cl & rocks, 102–117 sh & ss ledges, 117–119 ss, 119–129 layers of sh & ss, 129–141 brown sh, 141–149 sh, layers of brown ss, 149–150 ss, 150–160 sh & brown ss ledges, 160–184 soft blue sh, 184–194 ss with sh layers, 194–199 ss, 199–239 sh, with streaks of ss, 239–262 soft sh, 262–310 soft sh with ss layers, 310–313 sh, 313–326 grey & ss layers, 326–419 sh & ss ledges, 419–429 grey sh & hard ss ledges, 429–440 hard ss & sh layers, 440–444 sh, 444–520 grey sh with hard ss ledges; casing pulled, well abandoned, insufficient quantity
SE	6	8	21		1922	Dr	6	3070	255	155					D, S	S, I	Belly River Sd	(GSC-I)
10	9	8	21	Anderburg & Sons	1962	R	4		190	28.7	54–69	1	59 -59	120 7	O			0–1 soil, 1–54 brown cl till, sd lense at 10 ft., 54–69 sd, 69–80 brown cl till, 80–164 grey cl till, 164–168 grey cl till (boulders), 168–181 Saskatchewan gr, 181–190 light brown bentonitic sh; (RCA-G)
SE	20	8	21		1902	D			50	15					N	H, A	Glacial cl	Very bitter (GSC-I)
NE	23	8	21		1962	Dr			260									0–40 brown silty to sandy cl, boulder till, 40–240 grey cl till with a higher proportion of cl & silt to other fractions, 240–245 boulders, 245–250 grey till, 250–255 Saskatchewan gr, 255–260 Oldman sh; total solids 1600, hardness 1000, sulfates 689, chlorides 21, alkalinity 180, water is chemically suitable when cl settles, but is very hard and is difficult to soften; the results of Shelby tube tests and Penetrometer tests are available (RCA-G)

Water-Well Records, West of the Fourth Meridian (Cont'd.)

Location West of 4th Mer. Lsd or 1/4	Sec.	Tp.	R.	Driller	Year drilled	Type of well	Hole diam. (in.)	Surface elev. (ft.)	Well depth (ft.)	Water depth (ft.)	Aquifer depth (ft.)	Yield or test rate (gpm)	Test results Drawdown or recovery (ft.)	Time (min.)	Use	Quality	Aquifer	Lithologic log, chemical analysis, and remarks
NW	34	8	21	Anderburg & Sons	1962	R	4	2983	281	D					O			0-15 surface soil & brown cl till with sd lenses, 15-16 sd, 16-54 sandy brown cl till, 54-124 grey cl till, 124-135 grey cl till & sd layers, 135-150 sd, 150-154 gr & sd, 154-173 grey cl till, 173-261 grey cl till becoming more sandy & gravelly, 261-278 Saskatchewan gr, 278-281 sh; E-log is available along with other pertinent information. (RCA-G)
NW	36	8	21			Dr		2717	35									0-16 brown silty cl & fine sd, 16-22 coarse gr, not as crushed in appearance as other holes (dry by E-log), 22-24 cl & gr, 24-25 gr, 25-28 soft ss, layer of soft alluvium at top, 28-29 sh (calcareous), 29-35 ss (calcareous); test hole #2
11	36	8	21			Dr		2716	42	21					O			0-13 silt & sd, 13-17 fine gr & sd, 17-19 medium fine gr & sd, 19-27 medium fine gr, 27-36 fine gr, 36-42 brown sh; recorder installed Aug. 28, 1962.
SE	1	8	22		1920	Dr	6	3078	260	200		G			S	S, So	Belly River?	(GSC-I)
NE	15	8	22		1916	D	72c	3135	20	5		G				H	Glacial silty cl	(GSC-I)
NW	22	8	22			Dr		3077	4578	150	300	<1						Water also at 1750 ft.(GSC-I)
13	30	8	22			Dr		2827	197	0								5 yellow sandy cl, 48 gr
16	31	8	22			Dr		2817	228	0								10 gr, 35 sandy cl, 58 gr
NW	36	8	22			Dr		2949	1802									165 dr, 950 Pale Beds, 1330 Foremost, 1470 Pakowki, 1595 salt, 1740 Milk River
NW	36	8	22	M. R. Hall		Dr	8 1/4		35	16	16-33	100	6 -5	1740 120	I	S		0-10 brown sandy cl, 10-21 coarse gr, 21-24 medium sd, 24-30 fine and medium gr, 30-33 ss, 33-34 brown cl, 34-35 sh; total solids 250; P.W.#1
E1/2	7	8	25			Dr	5 5/8c		80	50	80		15	120	D, S	S	Gr	
NE	19	8	25			Dr	5 5/8c		223	100	210	<1	100	1440	D, S	S	Quicksand & ss	120-125 ss, 180-190 ss
4	34	8	27	W. Maughan		Dr	6		18	15	15-18	5			D	H	Sd & gr	0-7 sd, 7-18 sd & gr
9	20	8	29	W. Maughan	1964	Dr	6		80	31	43-65	20			D	MH	Ss & sh	0-42 cl, 42-48 ss, 48-80 sh, ss
NW	21	8	29			Dr	5 5/8c		265	175	255	<1	40	60	D, S	S	Cl	100 ss
NW	2	9	1			D	48s	3613	45	0	45	P			D, S	H, A	Glacial gr & cl	(GSC-I)
NE	2	9	1			S		3639				G			D, S	H	Glacial gr	42°F (GSC-I)
SE	9	9	1			S		3633				G			D, S	H	Glacial gr	Water is rusty (GSC-I)
NW	11	9	1			D		3399	7	0	7	P			D, S	H, A	Glacial cl	43°F (GSC-I)
NW	12	9	1			D	36s	3443	30	20	30	P			D, S	H, A	Glacial gr	30 yellow cl; 44°F (GSC-I)
NE	12	9	1			S		3569				G			D, S	S	Glacial gr	(GSC-I)
SE	12	9	1		1934	D		3649	10?	4					N	H, A	Recent cl	Unfit for use, 44°F (GSC-I)
NE	13	9	1			D	48s	3394	12	8	12	G			S	H	Glacial sd	0-8 yellow boulder cl, 8-12 blue cl; 44°F (GSC-I)
SW	14	9	1			D		3423		12		G			D	S	Glacial gr	0-17 gravelly yellow cl; 47°F (GSC-I)
NE	14	9	1		1932	D	48s	3302	10	8	10	G			D, S	H	Glacial sd	0-5 yellow cl, 5-7 blue cl, 7-10 gr (GSC-I)
SW	15	9	1			D		3290	10	6	10	G			D, S	H, A	Glacial sd & gr	0-7 yellow boulder cl, 7-10 gr & sd (GSC-I)

NE	15	9	1		D		3404	30	D				0–10 gr, 10–30 blue cl (GSC-I)
SE	16	9	1		D	48s	3542	8				D	H,A	Glacial gr	0–8 gr & sd; 44°F (GSC-I)
SW	21	9	1		S		3513				G	D,S, Ir	H	Glacial	46°F (GSC-I)
SE	22	9	1		D	48s	3400	15	11	15	P	D,S	H,A	Glacial sd	0–15 blue boulder cl; 44°F (GSC-I)
SE	23	9	1		D	36s	3305	10	7	10	G		H,A	Glacial gr	0–10 boulder cl; 48°F (GSC-I)
SE	24	9	1		D		3236	10	10	10				Glacial cl	0–2 gr, 2–10 blue cl; dry hole now, but two springs flow from the gr (GSC-I)
SW	25	9	1	1935	B		3213	100	D					Bear Paw	0–50 yellow boulder cl, 50–130 blue boulder cl with many small stones, 130–150 sh; drilled several dry holes up to 229 ft. deep (GSC-I)
SE	26	9	1		D		3261	8	1	5	P	D,S	H,A	Glacial gr	0–8 blue boulder cl; 51°F (GSC-I)
NE	28	9	1		S		3388				G	D,S	H,A	Glacial gr	(GSC-I)
SW	31	9	1		S		3453	4			G	D,S	H,A	Glacial gr	Dugout (GSC-I)
SE	31	9	1		D	36s	3478	16			G	D	H,A	Glacial cl	0–16 blue boulder cl (GSC-I)
SW	32	9	1		S		3473				G	D,S	H,A	Glacial gr	(GSC-I)
NW	32	9	1	1936	D		3363	18	4		P	D,S	H,A	Glacial gr	0–17 blue cl; 41°F (GSC-I)
NE	32	9	1		D		3396	7			G	D,S	H,A	Glacial gr	Surface spring (GSC-I)
SE	33	9	1		S		3188				G	D,S	H,A	Glacial gr	48°F (GSC-I)
NE	33	9	1		D		3153	10	2	10	P	D	H,A	Glacial gr	0–10 blue cl; 47°F (GSC-I)
NW	36	9	1	1935	B	28	3058	78	12	78	G	D,S	H,A	Glacial cl	0–12 sd & fine gr, 12–50 blue & yellow boulder cl, with some sd, 50–78 blue boulder cl (GSC-I)
SE	5	9	2		S		3942		0		G	D,S	H,A	Glacial gr	43°F (GSC-I)
SE	16	9	2	1908	D	48s	3799	14	2	14	P	D	H	Glacial sd	0–14 boulder cl; 42°F (GSC-I)
NE	18	9	2		S		3623				G	D	H,A	Glacial gr	(GSC-I)
SW	20	9	2		D	4 1/2	3533	20			P	D	H,A	Glacial gr & cl	0–18 yellow boulder cl, 18–20 stony cl; 43°F (GSC-I)
SE	20	9	2		D	48	3531	8			G	D,S	H	Sd	0–2 cl, 2–6 gr, 6–8 sd (GSC-I)
NW	22	9	2		S		3606				G	D	H,A	Glacial gr	45°F (GSC-I)
NE	25	9	2	1926	D		3523	6		6	G	D	H,A	Glacial gr	0–4 cl, 4–6 gr; 42°F (GSC-I)
NW	25	9	2	1917	D	36	3503	9		9	G	D,S	H,A	Glacial gr	0–7 blue boulder cl, 7–9 gr (GSC-I)
NE	26	9	2		D	48x54	3527	18		18	G	D,S	H,A	Glacial cl	0–18 sandy cl; 43°F (GSC-I)
NW	26	9	2		D	54x42	3533	20		20	G	S	H,A	Glacial gr	0–20 gr (GSC-I)
SW	28	9	2		D		3423		4	2	G	D,S	H,A	Glacial gr	0–2 yellow cl, 2–4 gr (GSC-I)
SE	29	9	2		D	48s	3466	10		10		D			0–5 gr, 5–10 cl; hole now dry, but supplied house at one time (GSC-I)
SE	30	9	2		D	48s	3443	22	D						0–6 gr, 6–22 yellow sandy cl (GSC-I)
NW	31	9	2		D	48s	3243	10			P	D	H,A	Glacial gr	0–10 gr (GSC-I)
SW	32	9	2	1929	D	48x42	3373	17	15		G	D	H	Glacial sd & gr	0–12 cl, 12–17 sd & gr; 43°F (GSC-I)
NW	32	9	2		D	48s	3356	14			P	D,S	H,A	Glacial sd	0–7 cl, 7–14 sd; 43°F (GSC-I)
SW	33	9	2		D		3353				G	D	H	Glacial gr	45°F (GSC-I)
NE	33	9	2	1912	B	24	3323	28	15	22–28		N	H,A	Glacial gr	0–22 yellow cl; caved in (GSC-I)
SW	34	9	2		D	48s	3368	7			P	D,S	H,A	Glacial gr	0–5 yellow boulder cl, 5–7 gr (GSC-I)
SE	34	9	2		D	48x54	3426	8			G	D,S	H,A	Glacial	42°F (GSC-I)
SE	36	9	2		D		3513	10		9–10	G	D,S	H,A	Glacial gr	0–10 blue boulder cl (GSC-I)
NW	5	9	3	1918	D	36s		11			G	D	S	Cl	(GSC-I)
NW	7	9	3		B			105		70		S	H	Glacial	0–15 yellow cl, 60–80 yellow sd, 80–105 boulder cl (GSC-I)
NW	9	9	3	1916	D	48s		12	7	12		D	S	Sd	
NE	9	9	3		S						<1	D,S	H		(GSC-I)
N1/2	9	9	3	1914	D			20	14			D,S	S	Glacial cl	(GSC-I)

Water-Well Records, West of the Fourth Meridian (Cont'd.)

Location West of 4th Mer. Lsd or 1/4	Sec.	Tp.	R.	Driller	Year drilled	Type of well	Hole diam. (in.)	Surface elev. (ft.)	Well depth (ft.)	Water depth (ft.)	Aquifer depth (ft.)	Yield or test rate (gpm)	Test results Drawdown or recovery (ft.)	Time (min.)	Use	Quality	Aquifer	Lithologic log, chemical analysis, and remarks
SE	12	9	3		1912	D			13			G			D,S	H	Glacial	(GSC-I)
SE	13	9	3			S		3650	2		2	25			S	S	Glacial gr	0-2 gr & sd
NW	13	9	3			D	72x84	3590	2	+4	2	10			D,S	S	Glacial gr & sd	(GSC-I)
NE	13	9	3			B	36	3620	30	30		G				H	Glacial gr	30 gr (GSC-I)
NW	14	9	3			D	48	3630	6	0	6	G			D,S	H	Glacial blue cl	Spring in 15-9-3
SE	16	9	3		1926	Dr	2 1/2		687	+4		1.5			D,S	S	Foremost	Pokowki, Milk River; 48°F (GSC-I)
NE	16	9	3		1917	D	48s	3680	6	3	6	12			D,S	H	Glacial gr	Also has a spring (GSC-I)
NE	17	9	3			D	48s	3790	11		11	G			D	H	Glacial sd	(GSC-I)
NW	18	9	3			D			5			G			D,S	H	Glacial	(GSC-I)
SE	21	9	3		1932	B	36	3600	14		14	G			D,S	H	Glacial sd	(GSC-I)
SE	21	9	3		1920	D	48s		15		15				D	S	Gr & sd	
SE	22	9	3			D	48x24	3600	5	F	5	2			D,S	H	Glacial	(GSC-I)
NW	22	9	3			D	48s	3550	13		13	G			D	H	Glacial cl	45°F (GSC-I)
NE	24	9	3			D		3475	5	F	5	G			D,S	S	Glacial	Also has a spring (GSC-I)
SW	26	9	3		1927	D	48s	3500	7		7	G			D,S	VH	Glacial gr	55°F (GSC-I)
SE	27	9	3			D	48	3500	12	9	12	G			D,S	H	Glacial gr	56°F (GSC-I)
NE	27	9	3		1903	D	36	3475	11		11	P			D,S	H	Glacial gr & sd	56°F (GSC-I)
NE	28	9	3		1926	B	18		16			G			D	H	Sd & silt	(GSC-I)
NE	30	9	3			D	48s		12	5		G			D,S	MH	Bearpaw	46°F (GSC-I)
NE	34	9	3		1925	B	24	3420	16	8	16	P			S	VH	Glacial blue cl	49°F (GSC-I)
SE	35	9	3		1936	B	30,24	3390	58	10	58	P			D,S	S,I	Sd	0-58 blue cl; 45°F (GSC-I)
SE	36	9	3		1922	D	48s	3345	6	0	5	G			D,S	H	Gr, Bearpaw	(GSC-I)
NE	36	9	3		1918	B	24	3330	20	2	20	P			D	H,A	Glacial sd	58°F (GSC-I)
NW	2	9	4		1932	D	48s		20	16		P			D,S	H,A	Cl	Yellow cl, blue cl (GSC-I)
3	6	9	4	Southern	1960	Dr	5 1/2		925	45	725-925	30	45	300	D,S	S	Milk River ss	0-120 quicksand, 120-135 sd & gr, 135-725 sh, 725-925 Milk River ss.
NE	7	9	4	Foremost	1952	Dr	3,2c		944			G			D,S	S	Lower Milk River ss	
SE	10	9	4		1935	B	24		75	5		G			D,S	H,I	Gr & sd	42°F (GSC-I)
NW	12	9	4		1917	D	48s		2	+3		G			D,S	H,A	Alluvial gr	44°F (GSC-I)
NW	13	9	4			D	48s		4	0		1-2			D,S	H,A	Alluvial gr	Not used now (GSC-I)
SW	14	9	4		1923	D	60		12	6		G			D,S	H,A	Glacial cl	(GSC-I)
SE	16	9	4		1912	D	48s		12	7		P			D,S	MH	Glacial cl	47°F (GSC-I)
SE	18	9	4		1935	D	48s	3550	22	19	22				D,S	H	Glacial gr	0-3 top soil, 3-11 hard white cl, 11-20 gr & reddish sd, 20-22 gr (GSC-I)
NE	18	9	4		1934	D	72	3550	11	7	11	G			S	H,A	Glacial sd	44°F (GSC-I)
NE	20	9	4		1910	D	54	3500	10	3	10	G			D,S	H,A	Glacial gr	Cl (GSC-I)
SE	23	9	4			D	48s		8	2		P			D,S	H	Glacial gr & sd	Went dry in 1937 (GSC-I)
SE	23	9	4		1933	S	48s		7	+4		2			D,S	H,A	Glacial gr	44°F (GSC-I)
NW	23	9	4		1936	B	24		86	0		2			D,S	H,A	Glacial gr	(GSC-I)
NE	23	9	4			D	120x60		5	+3		<1			D,S	H,A	Glacial gr	Deserted farm, 43°F (GSC-I)
NW	24	9	4			D	48s		10	7		G			D,S	H	Gr & sd	49°F (GSC-I)
SE	28	9	4			B	24	3330	43	15		P			D	MH,I	Glacial cl	43°F (GSC-I)

NW	29	9	4		1918	B	24	3340	75	66	75	P			D	H,A	Glacial dr?	45°F (GSC-I)
SW	30	9	4		1930	D	48s	3475	18	16	18	P			D,S	H,A	Glacial sd	(GSC-I)
SW	33	9	4			D	48	3380	16	11	16				D	H		48°F (GSC-I)
NW	33	9	4			D		3300	18	16	18					H		45°F (GSC-I)
NW	34	9	4			D	48s		6	4		P			D,S	H,A	Alluvial gr	(GSC-I)
SW	34	9	4		1935	B	24		86	0		G			D,S	H,A	Glacial sd & gr	(GSC-I)
SW	34	9	4		1935	B	24		120	20		G			D,S	H,A	Glacial sd & gr	(GSC-I)
	34	9	4		1910	D	48s		10	5	5				D,S	S,I	Cl	0-10 cl
SW	35	9	4		1932	D	48s		10	3		G			D,S	H,A	Glacial sd & gr	Also has a spring with a hydrogen sulfide odor. (GSC-I)
NE	35	9	4			S	48s		3	+8		G			D,S	H		Also has two more springs (GSC-I)
NW	6	9	5			D	36	3450	50		50	G			D,S	H,A,I	Glacial gr	42°F (GSC-I)
NE	13	9	5		1932	B	24	3200	69	39	69	G			S,Ir	H,A	Glacial gr & sd	45°F (GSC-I)
NW	18	9	5		1925	D	36	3250	30	25	30	<1			S	H,A,I	Glacial gr	Very laxative, 50°F (GSC-I)
NE	20	9	5		1936	D	72	3050	10	6	10	G			Ir	H,A	Glacial gr	50°F (GSC-I)
SW	36	9	5		1934	B	24	3500	36	12	36	G			D,S	H,A	Bearpaw?	45°F (GSC-I)
SE	2	9	6		1928	B	24	3475	60	5	60	G			S	H,A	Glacial gr	(GSC-I)
SW	11	9	6		1927	B	24	3350	95	74	95	G			D,S	H,A,I	Glacial gr	43°F (GSC-I)
SW	12	9	6		1936	D	36	3250	13		13	G			D,S	MH	Glacial quicksand	(GSC-I)
SE	12	9	6		1930	B	24	3400	72	8	72				D	H,A,I	Glacial gr	43°F (GSC-I)
SE	14	9	6		1915	D	36x42	3300	63		63	<1			D,S	MH	Bearpaw	43°F (GSC-I)
NW	18	9	6		1962	B	21	2800	42	10		G			D,S	H,A		Also has a dry hole bored 82 ft.
SW	26	9	6		1924	D	36	2975	20	19	20	G			D,S	H,I		45°F (GSC-I)
	30	9	6	Foremost	1953	Dr	3,2c		825			G			D,S	S	Lower Milk River ss	(GSC-I)
NE	32	9	6		1920	B	24	2975	80	75	80	G			D,S	H,A	Glacial dr?	45°F (GSC-I)
SW	36	9	6		1925	D	36	3120	22	20	22	G			S	H,A	Bearpaw sh	Water laxative, 45°F (GSC-I)
SE	4	9	7			D			15			G			D,S	S	Glacial dr	0-15 dr; 47°F (GSC-I)
SW	9	9	7			D		3050	33			P			D,S	H	Glacial dr & cl	43°F (GSC-I)
SE	12	9	7			D	48	3035	16		16	G			S	H	Glacial dr	0-16 glacial dr; 46°F (GSC-I)
SW	13	9	7		1933	B		2910	128		128				D,S	S	Pale Beds sd	8-10 sd, 10-60 blue cl, 60-100 soapstone & ss, 100-128 sd (GSC-I)
SW	14	9	7		1937	D			32	14	32	G			D,S	H	Glacial gr & quicksand	46°F (GSC-I)
SW	15	9	7		1925	D		3011	17		17	G			D,S	H	Glacial sd	45°F (GSC-I)
SW	15	9	7		1962	B	21	2800	29	20		10	4	300	D	MH		Bottomed in gr & cl (GSC-I)
NE	16	9	7		1929	D			40		40	G			D,S	H	Pale Beds sd	0-25 boulder cl, 25-33 sd, 33-61 blue cl; 46°F (GSC-I)
NE	17	9	7		1933	D			12		12	G			D		Glacial cl	51°F (GSC-I)
SW	18	9	7		1910	D	30		13			P			D,S	H	Alluvial cl	49°F (GSC-I)
SW	22	9	7		1922	D	42	2940	29	11	27	G			D,S	H	Glacial sd	47°F (GSC-I)
NE	22	9	7			Dr	6		110			G			D,S	H		46°F (GSC-I)
16	22	9	7	L. Maarion	1962	Dr	24	2800	53			G				H		Bottomed in loose sd
NE	27	9	7		1930	Dr	14-2		57			P			S	H	Glacial quicksand	46°F (GSC-I)
SW	28	9	7			B	6		11							S	Cl	Well was drilled with an auger. Water is seepage from dam. 51°F (GSC-I)
NE	34	9	7			Dr		2700	775	20		G			D,S	S,So	Lower Milk River	52°F (GSC-I)

Water-Well Records, West of the Fourth Meridian (Cont'd.)

Location West of 4th Mer. Lsd or 1/4	Sec.	Tp.	R.	Driller	Year drilled	Type of well	Hole diam. (in.)	Surface elev. (ft.)	Well depth (ft.)	Water depth (ft.)	Aquifer depth (ft.)	Yield or test rate (gpm)	Test results Drawdown or recovery (ft.)	Time (min.)	Use	Quality	Aquifer	Lithologic log, chemical analysis, and remarks
SW	35	9	7			D		2716	20			G			D, S	H, I		44°F (GSC-I)
SE	4	9	8		1929	Dr	3	2573	672	+3	672	G			S	S, So	Milk River ss	Foremost, Pakowki; 52°F (GSC-I)
NW	5	9	8		1930	Dr	2		846	+3		3-4			D, S	S	Milk River ss	Foremost, Pakowki; 54°F (GSC-I)
SW	6	9	8		1917	B	24		86	79		P			S	H	Foremost coal	44°F (GSC-I)
SE	20	9	8		1937	Dr	2		840	+3	650	1			D, S	S	Milk River ss	Foremost, Pakowki; 59°F (GSC-I)
SE	28	9	8	Midland	1948	Dr	4 1/2, 2c		960	F		G			S	S	Milk River ss	(GSC-I)
NE	28	9	8	Midland	1948	Dr	2c		1100	F		P			D, S	S	Milk River ss	(GSC-I)
NW	28	9	8	Midland	1948	Dr	4 1/2, 2c		672									Gas at 650 ft.(GSC-I)
NW	30	9	8		1929	D			11	0		G			D, S	H	Glacial sd	50°F (GSC-I)
SE	36	9	8			B	22	2300	18?	15	15				D	MH	Gr	Bottomed in gr
SE	1	9	9	Midland	1948	Dr	2c		760	F		G			D, S	S	Lower Milk River ss	(GSC-I)
NW	1	9	9		1928	D			11	7		G			D, S	H	Glacial gr	48°F (GSC-I)
NW	2	9	9		1918	Dr				+3		9			D, S, Ir	S	Ss	51°F (GSC-I)
SW	2	9	9		1934	B	24		93						N	H	Glacial cl	Water is bitter (GSC-I)
NW	3	9	9		1917	B	24		40	20		P			D, S	H	Glacial sd (quicksand)	45°F (GSC-I)
SE	3	9	9		1928	B	18		70			<1			S	H	Glacial gr	(GSC-I)
NE	3	9	9		1917	D	48s		5			G			S	S	Foremost coal	47°F (GSC-I)
SE	4	9	9		1910	B	24		101			G			D, S		Glacial quicksand	Water is salty (GSC-I)
	5	9	9	Midland	1950	Dr	3, 2c		860	F		G			D, S	S	Lower Milk River ss	(GSC-I)
NE	9	9	9			Dr		2654	700?								Lower Milk River	Foremost, Pakowki, Upper Milk River (GSC-I)
NE	11	9	9		1919	Dr		2665	780			.75-1			D, S	S		52°F (GSC-I)
SE	14	9	9			Dr				+5		2-3			N	S	Milk River ss	Foremost, Pakowki; deserted farm, 51°F (GSC-I)
NE	15	9	9		1934	D			22			P			D, S	H	Glacial cl	44°F (GSC-I)
NE	16	9	9		1917	D	36s		20			P			D, S		Glacial cl	47°F (GSC-I)
NE	17	9	9			Dr		2666	780		770						Lower Milk River ss	Foremost, Pakowki, Upper Milk River; some gas (GSC-I)
NE	18	9	9			Dr		2665	780	F?		.75			D, S	S		52°F (GSC-I)
NW	20	9	9			D	24x42		14			G			D, S, Ir	S	Glacial quicksand	49°F (GSC-I)
NE	20	9	9		1917?	B			40	30		G			D, S	S, So		45°F (GSC-I)
NW	22	9	9		1920?	B	24		65	40		G			D, S	H	Glacial	46°F (GSC-I)
NE	23	9	9		1930	Dr	2		780	+3		1			D, S	S		670-675 Caprock; 53°F (GSC-I)
NW	24	9	9		1935	Dr	2		700	+2		1			D, S	S		Gas at 690 ft., 54°F (GSC-I)
SE	33	9	9		1909	D	72		45			G			D, S	H	Glacial gr	Springs 1 mile east (GSC-I)
NE	35	9	9		1936	D	48		12	8		G			D, S	H, A, Ir	Glacial gr	(GSC-I)
SE	36	9	9		1916	B			56	26		G			D, S	H	Glacial gr	44°F (GSC-I)
	36	9	9	Foremost	1951	Dr	3, 2c		831			G			D, S	S	Lower Milk River ss	(GSC-I)

NE	1	9	10		1934	B	26		34	20		G	D,S	S	Glacial sd	6 blue cl; 46°F (GSC-I)
SE	1	9	10		1912	D	36		55	40		G	D,S	H	Glacial quicksand	46°F (GSC-I)
SE	3	9	10		1924	Dr			828	13	714	2.5	D,S	S	Milk River ss	Foremost, Pakowki (GSC-I)
SE	3	9	10			Dr		2840	928	10	814				Lower Milk River ss	Foremost, Pakowki, Upper Milk River; flowed for 7 years (GSC-I)
NE	4	9	10			D	36s	2825	30			P	D,S	H	Glacial sd	43°F (GSC-I)
NW	5	9	10		1935	D	48s	2800	50	45			D,S	H	Glacial sd	46°F (GSC-I)
NE	5	9	10			Dr		2797	828	6					Lower Milk River ss	Foremost, Pakowki, Upper Milk River; flowed 5 years at one time (GSC-I)
NE	5	9	10		1929	Dr	2		835	4		3-4	D,S	S	Milk River ss	Foremost, Pakowki; 48°F (GSC-I)
NW	8	9	10	Foremost	1953	Dr	3,2c		800			G	D,S	S	Lower Milk River	(GSC-I)
SE	9	9	10			Dr		2830	915	20	800				Milk River ss	Foremost, Pakowki (GSC-I)
NW	10	9	10	Skyline	1958	Dr	5 1/2		340	D						0-80 cl, 80-160 sandy cl, 160-164 quicksand, 164-190 cl, 190-200 cemented gr, 200-340 sh
NW	10	9	10		1934	D	36x72		38		38	G	D,S	H	Glacial quicksand	44°F (GSC-I)
NW	11	9	10			D							S	H	Glacial quicksand	(GSC-I)
NE	12	9	10	Foremost		Dr	3,2, 1 1/2c		910			G	D,S	S	Lower Milk River	(GSC-I)
NE	12	9	10		1909	B	18		33				D,S		Gr	43°F (GSC-I)
NE	13	9	10			Dr		2775	850		800				Lower Milk River ss	Foremost, Pakowki; some gas (GSC-I)
SE	14	9	10			D	72s		18			G	S	H	Glacial cl	48°F (GSC-I)
SW	15	9	10		1909	D	48s		11	1		>1	D,S	H	Glacial gr	47°F (GSC-I)
SE	15	9	10		1934	D	36s	2780	18	10	18	G	D,S	H	Sd & gr	48°F (GSC-I)
SE	16	9	10			D			16				D,S	H	Glacial sd & gr	47°F (GSC-I)
SE	16	9	10		1930	D	36s		12		12	G		H	Glacial quicksand	49°F (GSC-I)
NE	18	9	10			B	18	2740	36		36				Glacial dr	44°F (GSC-I)
NE	19	9	10		1917	Dr	4		860	+5		3	D,S	S	Milk River ss	Foremost, Pakowki; 58°F (GSC-I)
NE	22	9	10		1934	B	24	2775	40		40	P	S	H	Glacial dr	(GSC-I)
SW	28	9	10		1918	Dr	2	2810	946	12-14	946	P	D,S	S	Milk River	Not good for irrigation, 45°F (GSC-I)
	28	9	10			Dr			150							0-20 sandy cl, 20-70 gr, 70-75 gr, sd & boulders, 75-90 blue cl, 90-100 sandy cl, water @ 95 ft., 100-120 gr, 120-150 quicksand
NE	29	9	10			Dr			900				S	S	Milk River?	54°F (GSC-I)
SW	31	9	10			D	36s	2725	72		72				Glacial dr	45°F (GSC-I)
SE	33	9	10		1930?	B	24	2780	90	30	90	G	D,S	H	Glacial dr?	45°F (GSC-I)
SW	35	9	10			B	24		26		26	P	D,S	H	Glacial dr	46°F (GSC-I)
NW		9	10		1918	Dr	2		760	+7	760	1.5	D,S	S	Milk River ss	Foremost, Pakowki; 54°F (GSC-I)
NW	14	9	11	Kiengle	1956	Dr	3,2c		779			G	D,S	S	Lower Milk River ss	(GSC-I)
NW	21	9	11		1919	Dr	2		654	+3		1	D,S	S, So	Milk River ss	Salty taste, 52°F (GSC-I)
NW	24	9	11			D		2690				G	D,S	H		55°F (GSC-I)
NW	27	9	11		1910	D	48s	2650	20	16		G	D,S	H	Belly River	(GSC-I)
NE	27	9	11		1925	B	24	2684	40	20	20	P	D,S	H, I	Glacial cl	Belly River; 48°F (GSC-I)
NE	28	9	11		1918	D	48s	2650	30	20	27-30	G	D,S	H	Sd	0-4 surface soil, 4-23 white cl, 23-27 blue sh; 47°F (GSC-I)

Water-Well Records, West of the Fourth Meridian (Cont'd.)

Location West of 4th Mer. Lsd or 1/4	Sec.	Tp.	R.	Driller	Year drilled	Type of well	Hole diam. (in.)	Surface elev. (ft.)	Well depth (ft.)	Water depth (ft.)	Aquifer depth (ft.)	Test results: Yield or test rate (gpm)	Drawdown or recovery (ft.)	Time (min.)	Use	Quality	Aquifer	Lithologic log, chemical analysis, and remarks
SW	30	9	11			D	72s	2595	12	4	4-12	G			D,S	H	Sd	Belly River grey quicksand; caved in 1935 (GSC-I)
SE	31	9	11	Foremost	1953	Dr	2c		900			G			D,S	S	Lower Milk River ss	(GSC-I)
SE	32	9	11		1912	D	36s	2638	17	4	14-17	G			D,S	S,A	Belly River sd	0-1 topsoil, 1-14 blue cl with white alkaline spots, 14-17 sd & water (GSC-I)
NW	34	9	11		1918	Dr	6		120			G			S	S,So	Foremost sd	(GSC-I)
NE	35	9	11		1928	Dr	2 1/2	2718	750	+3		5			D,S, Ir	S,So	Milk River	Belly River, Pakowki (GSC-I)
NE	36	9	11		1931	B	36	2742	78			G			D,S	S	Belly River sd	Salty taste (GSC-I)
NE	1	9	12		1917	Dr	2		640	+3		4-5			D,S		Milk River ss	Foremost, Pakowki; 51°F (GSC-I)
NE	1	9	12		1929	Dr	2		680								Milk River ss	Foremost, Pakowki (GSC-I)
SW	1	9	12		1920	Dr			645			.5			D,S		Milk River ss	Foremost, Pakowki; 54°F (GSC-I)
NW	2	9	12			Dr				F		.75				S,So	Milk River ss	Foremost, Pakowki; 53°F (GSC-I)
SW	4	9	12		1918?	Dr	2		640	+3		.75			D,S	S,So	Milk River ss	Foremost, Pakowki; 54°F (GSC-I)
SE	4	9	12		1918	Dr	2		650	+3		1			D,S	S,So	Milk River ss	Foremost, Pakowki; 53°F (GSC-I)
16	4	9	12	Southern Alberta	1960	Dr	5		902	260	642-902	15		360	D,S	S	Milk River ss	160 br
SE	6	9	12			Dr			600	F		1.5				S,So?	Milk River ss	Foremost, Pakowki; 53°F (GSC-I)
NE	13	9	12			Dr	2			+2		2			S	S	Milk River ss	Foremost, Pakowki; 54°F (GSC-I)
NE	15	9	12		1927	Dr	4		600	F		1			D,S		Milk River ss	Foremost, Pakowki; 56°F (GSC-I)
SE	17	9	12			Dr			740	F		1			D,S	S,So	Milk River ss	Foremost, Pakowki; 54°F (GSC-I)
SW	17	9	12		1917?	Dr			690	F		1			D,S	S,So	Milk River ss	Foremost, Pakowki; 53°F (GSC-I)
NW	17	9	12		1917	Dr	2		700	F		1.5			D,S	S,So	Milk River ss	Foremost, Pakowki; 53°F (GSC-I)
SW	18	9	12		1917	Dr	2		640			1			D,S	S,So	Milk River ss	Foremost, Pakowki; 53°F (GSC-I)
SE	23	9	12		1912	D	36s		30			G			D,S	H	Glacial sd	47°F (GSC-I)
SE	23	9	12			D			28			G			D,S	H	Glacial sd	47°F (GSC-I)
SW	24	9	12		1918?	Dr	2, 1 1/2		636	F		.75			D,S	S,So	Milk River ss	Foremost, Pakowki; 52°F (GSC-I)
NW	25	9	12		1922?	D	72s		22						D,S	H	Glacial sd or gr	57°F (GSC-I)
SE	28	9	12		1929	Dr				F		3			D,S			56°F (GSC-I)
SE	30	9	12		1928	D	36s		45	37		G			S	H	Glacial sd	49°F (GSC-I)
NE	31	9	12	Seaman		Dr	4 3/4		800	20	650-800	10		45	D	S	Milk River sands	0-150 cl & sd, 150-430 sh, 430 -435 ss, 435-650 blue sh, 650-800 Milk River sands
NW	32	9	12		1910?	Dr	2		635	+10		5			D,S	S,So	Milk River ss	Foremost, Pakowki; 54°F (GSC-I)
SW	32	9	12		1910	D	36s		60	58		G			D,S	H	Glacial quicksand	47°F (GSC-I)
SW	34	9	12		1915?	B	36		70			G			D,S, Ir	H	Glacial sd	48°F (GSC-I)
NE	35	9	12		1933	Dr			650	+3		G			D,S	S,So	Milk River ss	Foremost, Pakowki; some gas, 54°F (GSC-I)
SW	36	9	12		1909	D	72s		12	8		G			D,S	H	Sd	56°F (GSC-I)
SW	36	9	12		1934	D	48s		14	10		G					Glacial cl	53°F (GSC-I)
SW	1	9	13		1911	D	48	2702	34	F	34				D,S	H	Glacial sd	0-34 till; 46°F (GSC-I)
SE	2	9	13	Foremost		Dr	3,2c		740			G			S	S	Milk River ss	(GSC-I)
NW	2	9	13		1920	Dr	2		700	+7					D,S	S	Milk River	49°F (GSC-I)

NE	2	9	13		1928	Dr	3,2	2710	640	+7	640	8	D,S	S	Milk River ss	54°F (GSC-I)
NW	4	9	13		1911	Dr	6		120	40			D,S	S,A	Foremost	Caved in now, 45°F (GSC-I)
SE	5	9	13		1927?	Dr			750	+3	750		D,S	S	Milk River ss	50°F (GSC-I)
NW	9	9	13	Midland	1948	Dr	3,2c		820	F		G	D,S	S	Lower Milk River ss	(GSC-I)
2	10	9	13		1943	Dr			756	F	662	2				(GSC-I)
NW	10	9	13							+3					Milk River	49°F (GSC-I)
SW	12	9	13		1918	Dr		2717	750		750	2.5	D,S	S	Milk River ss	225 quicksand; 51°F (GSC-I)
NE	15	9	13		1919	Dr	2 1/2		695	+3		<1	D,S	S	Milk River ss	54°F (GSC-I)
13	15	9	13		1943	Dr			715	F	633	3				(GSC-I)
NW	19	9	13		1927	Dr		2616	670	+3	670	1	D,S	S	Milk River ss	Foremost, Pakowki; 52°F (GSC-I)
NW	22	9	13		1925	Dr	3,2	2630	640	+3		>1	D,S	S	Milk River ss	52°F (GSC-I)
NW	24	9	13		1924	B		2672	100	79	100		D,S	H	Glacial sd (quicksand)	0-100 blue cl; 45°F (GSC-I)
NE	24	9	13			D		2599	15	12		<1	D,S	H	Glacial sd	45°F (GSC-I)
NW	25	9	13			Dr						1.4				52°F (GSC-I)
NW	26	9	13			D	42		25			P	D,S	H	Glacial sd	46°F (GSC-I)
NE	28	9	13	Foremost	1953	Dr	2c		800			G	D,S	S	Lower Milk River ss	(GSC-I)
SE	28	9	13		1927	Dr			800			G	D,S	S	Milk River	Abandoned, 54°F (GSC-I)
SE	28	9	13		1910?	D			15	12	15		D,S	H	Glacial sd	44°F (GSC-I)
1	30	9	13		1943	Dr			731	F	665	4				(GSC-I)
NW	32	9	13			D	48		31		31			H	Glacial sd & gr	47°F (GSC-I)
14	32	9	13		1943	Dr			715	F	663	10.5				(GSC-I)
SE	36	9	13		1917	D		2672	56	52			D,S	H	Glacial sd & gr	45°F (GSC-I)
SW	36	9	13		1926	B	36	2678	50	F	50		D,S	H	Foremost	Glacial cl; 45°F (GSC-I)
NE	4	9	14		1912	D			14	10			S	H	Glacial dr	0-14 till; 47°F (GSC-I)
SE	5	9	14		1930	D			20	4	20		S	H,A	Glacial sd	46°F (GSC-I)
SW	6	9	14			D			30	26			S	H	Glacial sd	42°F (GSC-I)
SW	10	9	14		1920	D	48		23	22	23	<1	D,S	H	Glacial sd & cl	43°F (GSC-I)
SE	12	9	14		1910	D	60		10	0			D,S	S	Glacial sd & gr	44°F (GSC-I)
	13	9	14			Dr		2742			640				Milk River ss	Resistivity log shows the top of Milk River ss at approx. 640. The top of the Lower Milk River ss at approx. 675. This log also shows the Milk River Formation increases in depth northward from the international border and then at a depth of about 600-800 levels off into a bench, while north of townships 8 & 9 the formation again goes northward.
SW	14	9	14		1917	D			23	10	23		D,S	H	Glacial sd	42°F (GSC-I)
	14	9	14	Foremost	1952	Dr	2c		838	F		G	D,S	S	Milk River sands	(GSC-I)
SE	16	9	14		1921	D			22	9	22		D,S	H	Glacial sd & cl	42°F (GSC-I)
NW	16	9	14			D	42		23	22	23				Glacial gr	47°F (GSC-I)
NE	16	9	14		1935	D			23		23		D,S	MH	Glacial dr (sd)	43°F (GSC-I)
SE	17	9	14		1917	D	48		23	20	23		D,S	H	Glacial gr	46°F (GSC-I)
SE	19	9	14	Foremost	1952	Dr	3,2c		811	F		G	D,S	S	Milk River sands	(GSC-I)
SW	20	9	14		1930	Dr			47	20			S	H	Glacial boulder cl	0-47 boulder cl; 47°F (GSC-I)

Water-Well Records, West of the Fourth Meridian (Cont'd.)

Location West of 4th Mer. Lsd or 1/4	Sec.	Tp.	R.	Driller	Year drilled	Type of well	Hole diam. (in.)	Surface elev. (ft.)	Well depth (ft.)	Water depth (ft.)	Aquifer depth (ft.)	Yield or test rate (gpm)	Test results Drawdown or recovery (ft.)	Time (min.)	Use	Quality	Aquifer	Lithologic log, chemical analysis, and remarks
NE	22	9	14		1919	D			28	20	28				D, S	H	Glacial sd	46°F (GSC-I)
SE	22	9	14			D			32						D, S	H	Glacial sd?	47°F (GSC-I)
SW	32	9	14		1917	D			15						S	H	Glacial sd?	44°F (GSC-I)
NW	5	9	15			D			18	8					D, S		Glacial sd	(GSC-I)
NE	6	9	15			D	48		25	24	25				D, S		Glacial sd & gr	46°F (GSC-I)
NW	8	9	15		1920	D			12		12				D, S	H	Glacial sd	46°F (GSC-I)
15	8	9	15	Southern	1960	Dr	6 1/8, 4 3/4		855	F	655-855	2.5			D, S	S		0-55 sandy, 55-135 little gr, 135-655 sh, 655-855 Milk River ss
NE	9	9	15		1932	Dr			755	120?	760				D, S	S, So	Milk River ss	Salty taste, 46°F (GSC-I)
SE	10	9	15	Foremost	1952	Dr	3,2c		812			G				S	Milk River sands	(GSC-I)
SE	11	9	15		1929	Dr			880	F	840-880				D, S	S	Milk River ss	Some gas, 44°F (GSC-I)
NE	11	9	15		1917	D	42		23		23				D, S	MH	Glacial sands	Water level varies with slough level. (GSC-I)
NW	13	9	15	Foremost	1952	Dr	3,2c		910			G			S	S	Milk River sands	(GSC-I)
SE	14	9	15		1925	D	36		35		35				D, S		Glacial sd	(GSC-I)
SW	16	9	15	Foremost	1952	Dr	2c		750			G			S	S	Lower Milk River sands	(GSC-I)
SW	16	9	15		1925	D			30		30				D, S	A	Sd	Gumbo & sd (GSC-I)
NW	16	9	15			D			18	14		<1			S	H, A	Boulders (sh rock)	(GSC-I)
NW	19	9	15			Dr			712	+3	712	<1					Milk River ss	Salty taste, 51°F (GSC-I)
SE	20	9	15		1920?	D	36		14	1	14	<1			D, S	S	Glacial gr	
NE	22	9	15			D	48s	2670	15	10		G			D, S	H, A	Glacial cl	0-15 cl (GSC-I)
SE	22	9	15		1915	D	26		47	10	47				D, S	H	Glacial blue grey cl	(GSC-I)
SW	25	9	15		1928	D	42		30		30	G			D, S	H	Glacial sd	(GSC-I)
SE	28	9	15		1925?	D			16	12	16				D, S	H	Glacial gr	(GSC-I)
SE	31	9	15	Foremost	1951	Dr	2c		853	F		G			D, S	S	Lower Milk River ss	(GSC-I)
NW	31	9	15		1910	Dr	2	2665	667	45	607	G			D, S	S, So	Milk River ss	44°F (GSC-I)
NW	33	9	15			D	48s	2655	62	55		P			S	H, A	Glacial cl	0-55 dark cl with stones, 55-62 cl with coal (GSC-I)
SW	35	9	15			D	48s	2620	18	13		G			D, S	H, I	Glacial sd	15-18 sd (GSC-I)
SE	35	9	15			D	48s	2615	15	8	10	G			D, S	H, I	Glacial sd	0-10 sandy loam, 10-15 sd (GSC-I)
NW	1	9	16		1912	D	48c	2683	11	4					S	H, A	Glacial sd	(GSC-I)
NW	2	9	16		1918	D	48c	2698	18	16					D, S	H, A	Glacial dr	(GSC-I)
NE	2	9	16		1923	D	48s	2690	20	8					N	H, A	Glacial dr	0-1 soil, 1-2 gr, 2-20 cl (GSC-I)
SW	4	9	16		1924	Dr	2c	2740	722	+2	680	5			S	S	Milk River	Salty taste (GSC-I)
NW	5	9	16		1932	D	48s	2744	20	10	19				S	H, A	Belly River	0-1.5 soil, 1.5-15 cl, 15-19 sh, 19-20 coal (GSC-I)
SE	6	9	16			D	48s	2750	25	15					S	H, A, I	Belly River	20 br; very laxative (GSC-I)
NE	6	9	16		1929	Dr	6	2743	80	60	60				S	H, A	Belly River	40 black sh, 60 ss (GSC-I)
NW	8	9	16		1915	D	48s	2728	12	6		<1			D, S	H	Glacial dr	Bottomed in sd (GSC-I)
NW	9	9	16		1917	D	48c	2728	12	7		<1			D, S	S	Glacial sd	43°F (GSC-I)
SW	10	9	16		1923	B	48c	2710	34						S	H, A	Belly River	30 sh (GSC-I)
SE	10	9	16		1910	B	24c	2699	26	6					S	H, A	Glacial sd	(GSC-I)

NE	10	9	16		1911	D	48s	2690	20	6			D, S	H	Glacial sd	0-1 soil, 1-15 sd (GSC-I)
SW	12	9	16		1916	D	48s	2753	11	4			S	H, A	Glacial sd	(GSC-I)
SE	14	9	16		1916	Dr	6c	2708	186	45			S	H, A	Belly River	Used to be a good supply, but is now a poor supply (GSC-I)
SE	15	9	16		1923	Dr	6c	2699	67	20	60-67	G	S	H, A	Belly River	0-60 blue gumbo, 60-67 ss (GSC-I)
SE	16	9	16	Midland	1950	Dr	3,2c		851	F		G	D, S	S	Lower Milk River ss	(GSC-I)
SW	16	9	16		1916	Dr	4c	2713	100	10			S	H, A, I	Belly River	50 sh; 46°F (GSC-I)
NE	16	9	16		1924	Dr	2 1/2c	2700	740	+5	700-740	5	D, S	S	Milk River	Salty taste (GSC-I)
SW	17	9	16		1911	B	2c	2742	40	30			S	H, A	Belly River	30 sh (GSC-I)
NE	17	9	16		1914	D	48s	2715	80	10			S	H, A	Belly River	0-1.5 soil, 1.5-3 cl, 3-4 sd, 4-60 boulder cl, 60-? black sh (GSC-I)
SE	18	9	16		1909	D	48s	2732	8	5			D, S	H	Glacial sd	(GSC-I)
SE	18	9	16		1908	D	48s	2738	20	15			D, S	H, I	Glacial sd	(GSC-I)
NE	20	9	16	Foremost	1951	Dr			850	F		G	D, S	S	Lower Milk River ss	(GSC-I)
SE	21	9	16		1918	D		2690	32	15			S	H, A	Glacial sd	(GSC-I)
NW	21	9	16			B	48c	2691	30	16			S	H, A	Belly River	(GSC-I)
SW	22	9	16		1916	D	48c	2716	20	18		P	S	H, A	Glacial dr	(GSC-I)
NW	23	9	16	Midland	1950	Dr	2c		840			G		S		(GSC-I)
SE	24	9	16		1929	Dr	2c	2710	738	+3	700-738	4-5	D, S	S, So	Milk River	Salty taste (GSC-I)
SE	27	9	16	Foremost	1952	Dr	2c		792			G	D, S	S	Milk River sands	(GSC-I)
SE	28	9	16		1916	D	48s	2679	55	16			D, S	H	Belly River	45 sh (GSC-I)
NW	28	9	16		1936	Dr		2682	750	F			D, S	S	Milk River	Salty taste
SE	29	9	16		1918	D	48s	2682	30	15			D, S	H, A	Glacial sd	(GSC-I)
NW	29	9	16		1917	Dr	6c	2709	130	100			S	H, A	Belly River	45 ss, bottomed in coal (GSC-I)
NE	30	9	16		1916	Dr	6c	2709	130	100			S	H, A	Belly River	55 ss, bottomed in coal (GSC-I)
SW	32	9	16			Dr		2715	2250	6		G	S	S	Milk River	Salty taste (GSC-I)
	32	9	16			Dr			670	F				So		(GSC-I)
NW	33	9	16		1924	Dr	2 1/2c		780	+3		4.5	S	S	Milk River	Salty taste, 53°F (GSC-I)
SW	34	9	16		1916	Dr	6c	2657	223	25	83-90	G	D, S	S, So	Belly River	(GSC-I)
NE	36	9	16		1916	D	48s	2668	16			P	S	H, A	Glacial dr	Bitter tasting so not used now (GSC-I)
SE	1	9	17		1936	D	48s	2761	50	36			D	H	Glacial dr	(GSC-I)
NW	6	9	17		1908	Dr	6c	2856	132	50	132		S	S, So	Belly River	0-40 soil & cl, 40-42 sh, 42-69 ss, bottomed in gr (GSC-I)
NE	8	9	17		1907	Dr	6c	2800	200				D, S	S, So	Belly River	(GSC-I)
SW	10	9	17		1918	Dr	2c	2840	835	+5			S	S, So	Milk River	Salty taste, 52°F (GSC-I)
SE	11	9	17		1914	B	20c	2770	80	65			S	H, A	Belly River	0-1 soil, 1-65 glacial cl, 65-75 ss (GSC-I)
NE	12	9	17		1914	Dr	6c	2767	100	55			S	H, A	Belly River	70 ss (GSC-I)
SW	14	9	17		1930	Dr	6c	2747	100	11	16-24		N	H, A	Belly River	0-16 top soil & cl, 16-24 ss, 24-48 sh, 48-50 coal, 50-70 sh, 70-73 sh & coal, 73-90 blue sh, 90-92 sh & coal, 92-100 blue sh (gumbo) (GSC-I)
SE	16	9	17			Dr	6c	2785	200	96			S	S, So	Belly River	Not used now (GSC-I)
NE	16	9	17		1919	D	48s	2757	86	78			D, S	H, A	Belly River	0-1.5 soil, 1.5-35 glacial cl, 35-40 black sh, 40-60 brown sh, 60-76 ss, 76-77 iron stone, 77-78 fine cl, 78-80 coal & water, 80-86 very hard rock (GSC-I)
NW	22	9	17		1916	Dr		2744	127	100			D, S	S, So	Belly River	50 ss; not used now (GSC-I)
SW	24	9	17		1930	Dr	6c	2753	120		47		N	S, So	Belly River	0-47 sandy, 47-57 ss, 57-70 sandy formation, 70-76 blue sh, 76-93 ss, 93-94 sh, 94-96 coal seam, 96-120 sh (GSC-I)

Water-Well Records, West of the Fourth Meridian (Cont'd.)

Location West of 4th Mer. Lsd or 1/4	Sec.	Tp	R.	Driller	Year drilled	Type of well	Hole diam. (in.)	Surface elev. (ft.)	Well depth (ft.)	Water depth (ft.)	Aquifer depth (ft.)	Test results: Yield or test rate (gpm)	Drawdown or recovery (ft.)	Time (min.)	Use	Quality	Aquifer	Lithologic log, chemical analysis, and remarks
SE	24	9	17		1930	Dr		2758	140	95	95				N	S, So	Belly River	0-47 sandy cl, 47-49 sh (gumbo), 49-58 ss, 58-60 cl, 60-63 hard sh, 63-72 sandy with some coal, 72-94 sandy cl, 94-95 sh, 95-97 coal seam with water, 97-140 ss (GSC-I)
NW	24	9	17		1916	Dr	6c	2748	130	90		<1			S	H, A	Belly River	50 ss, 125 coal seam (GSC-I)
SW	26	9	17		1934	Dr	2c	2738	810	+2		4.5			D, S	S	Milk River	770 Milk River ss; salty taste, 42°F (GSC-I)
NE	29	9	17		1923	Dr	6c	2720	2220	+3		10			S	S	Milk River	40 Belly River ss, 800-840 Milk River ss; 53°F (GSC-I)
SE	30	9	17		1910	Dr	6c	2712	150	140		P			N	H, A	Belly River	(GSC-I)
NE	30	9	17		1911	Dr	6c	2705	138	40?					S	S	Belly River	40 br; salty taste, not used now (GSC-I)
NW	30	9	17		1910	Dr	6c	2710	143	100		P			N	S	Belly River	49 br (GSC-I)
NW	31	9	17		1919	Dr	6c	2700	2200	+3		10			S	S	Milk River	0-40 cl & sd, 40 top of Belly River ss, 800-840 Milk River ss; gas at 2000 ft., salty taste (GSC-I)
SW	32	9	17		1922	Dr	6c	2723	2200	6					S	S	Milk River ss & Belly River ss	40 Belly River ss, 800-840 Milk River ss (GSC-I)
NE	32	9	17		1922	Dr	6c	2698	2200	+3	710, 905	10			S	S	Milk River	Salty taste (GSC-I)
SE	34	9	17		1933	Dr	2c	2691	780	+3		G			S	S	Milk River	740 Milk River ss; salty taste (GSC-I)
NE	35	9	17	Foremost	1952	Dr	2c		821			G				S		(GSC-I)
NE	36	9	17		1930	Dr	2 1/2, 2c	2667	740	+2		5			S	S	Milk River ss	725 Milk River ss, br approx. 40 ft.; salty taste (GSC-I)
SW	11	9	18		1929	Dr	6c	2828	654	65					S	S, So	Belly River	90 ss (GSC-I)
SE	12	9	18		1926	Dr	6c	2828	103	40	40-50	3.1			S	S, So	Belly River	40-50 ss (GSC-I)
NW	12	9	18		1923	Dr	6c	2822	300	40					S	S, So	Belly River	40-49 ss (GSC-I)
NE	13	9	18		1928	Dr	6c	2822	150	40		3.1			S	S, So	Belly River	45 ss (GSC-I)
NE	18	9	18		1919	Dr	6c	2816	180	60					D, S	H, I	Glacial sd	(GSC-I)
NE	26	9	18		1915	Dr		2715	100	30					N	H, A	Belly River	Bitter tasting (GSC-I)
SE	27	9	18		1910	Dr	6c	2738	600						N		Belly River	Gas present (GSC-I)
SW	30	9	18		1910	Dr	6c	2818	180	100						H, A	Glacial quicksand	(GSC-I)
NE	31	9	18			D	48s	2690	16	12					D, S	H	Glacial cl	(GSC-I)
NW	36	9	18		1936	D	48s		14	11					D	H	Gr	(GSC-I)
NE	11	9	19		1934	D	48c		12	8					N	H, A	Glacial gr	Very bitter (GSC-I)
	11	9	19	Foremost	1951	Dr	2c		571	F		G			D, S	S		(GSC-I)
SW	11	9	19		1930	D	48s		15	7					S	H, A	Glacial gr	(GSC-I)
SW	27	9	19		1916	Dr	6c	2818	250	170		G			D, S	S	Glacial sd	Bottomed in sd (GSC-I)
SW	27	9	19		1918	Dr			263	240	253	<1			D, S	A	Sd	
SE	29	9	19		1931	D	48s	2814	30	4		<1			D	S	Glacial cl	(GSC-I)
SW	31	9	19		1918	Dr	6c	2811	244	90					D, S	S	Milk River	90 gr; sulfur taste (GSC-I)
	6	9	20	Cornelssen	1963	Dr	2		125	34						S		0-40 cl, 40-100 coarse sd, 100-120 soapstone, 120-125 black sd, bottomed in blue sh
NE	14	9	20	United States Bureau of Reclamation				2826	136									0-0.60 very dark grey (moist) friable, 10 YR 3/1, silty cl loam, 0.60-1.4 brown (moist) friable, silty cl loam, 1.4-2.5 dark grey brown (moist), firm (moist), very calcareous, 10 YR 5/3, silty cl, 2.5-5.5 silty cl, very dark grey brown (moist), hard (dry), firm (moist), very calcareous, 10 YR 3/2, 5.5-9.1 cl loam till, very dark grey brown (moist), hard (dry), firm (moist), moderately calcareous, iron stains, 10 YR 3/2, 9.1-15.0 cl loam till, grey brown

(moist), hard (dry), friable to firm (moist), iron stain mottling, scattered gr up to 1/2 in diameter, trace of coal, 10 YR 5/2, 15.0-19.0 heavy cl loam till, grey brown, 10 YR 5/2 (moist), hard (dry), friable to firm (moist), heavy iron stain mottling, scattered gr to 1 in diameter, coal traces, 19.0-19.5 silty cl and coal, dark grey (moist), 10 YR 4/1, 19.0-20.0 sandy loam, light grey (moist), 10 YR 6/1, very friable, 20.0 -20.4 silty cl, very dark grey (moist), 10 YR 3/1, iron stain mottling, firm (moist), 20.4-23.5 stratified sandy loam & silty cl, light grey, 10 YR 5/1, heavy lenses are grey & firm (moist), 23.5-30.0 cl loam till, yellow brown (moist) 10 YR 5/4, hard (dry), firm (moist), iron stain mottling, lime concretions & coal traces, fine gr to 1/2 in diameter scattered throughout, 30.0-38.5 cl loam till, yellow brown (moist), 10 YR 5/4, hard (dry), firm (moist), iron stain mottling, lime concretions & coal traces, fine gr to 1/2 in diameter scattered throughout, 38.5-80.0 sandy loam, dark brown (moist), 10 YR 4/3, loose, 40.0-47.5 cl loam till, dark brown (moist), hard (dry), firm (moist), calcareous & iron stained, heavy mottling, coal veins throughout & scattered gr up to 1 in diameter, 10 YR 4/3, 47.5-60.0 heavy cl loam till, dark grey brown (moist), 10 YR 5/2, hard (dry), firm (moist), heavily mottled with iron stains & lime concretions, a few coal spots & scattered gr throughout core up to 1/2 in diameter, 60.0-75.0 light cl loam till, very dark grey brown (moist), 10 YR 3/2, very hard (dry), very firm (moist), iron stained, calcareous, scattered fine gr & coal spots, 75.0-83.0 loamy till, dark grey (moist), 10 YR 4/1, hard (dry), firm (moist), calcareous, iron stained, fine gr, 83.0-85.8 loamy till, dark grey (moist), 10 YR 5/4, slightly hard (dry), firm (moist), calcareous & mottled with iron stains, fine gr scattered through core, 85.8-100.0 sandy cl loam till, dark grey brown (moist), 10 YR 3/2, very hard (dry), firm (moist), calcareous with fine gr throughout, 100-101.4 cl loam till, dark grey brown (moist), 10 YR 4/2, slightly hard (dry), friable (moist), iron stained, scattered gr to 1-1/2 in diameter, 101.4-110 cl till, very dark brown (moist), 10 YR 2/2, hard (dry), very firm (moist), fine gr at 110 ft, 110.0-130 core missing, 130.0-136 sh, grey (moist), 5 YR 6/1, extremely hard (dry), very firm (moist), end of drill core

SE	10	9	21		1935	Dr	6c	2977	300	280	280	<1	D, S	S	Belly River	280 sd & gr (GSC-I)
NW	12	9	21			D	36c	2945	15	10			D	S	Glacial sd	60°F (GSC-I)
NE	17	9	21	Anderburg & Sons	1963	R			395	289			O, St			0-15 brown clayey till, 15-29.6 brown cl till with granite pebbles, 29.6-44.8 brown cl till, little sd, 44.8-59.7 brown cl till, coal chips present, 59.7-61 brown cl till, 61-74 grey cl till, 74-88.1 grey cl till, pebbles, coarse sd, coal chips, 88.1-103.2 grey till, very clayey, 103.2-113 grey cl till, sandy, probably sd lense in here, 113-117.7 grey clayey till, 117.7-122 grey cl till, sandy, 122-132 grey clayey till, 132-136 grey cl till, 136-151 brown grey cl till, sandy & silty, some brown looking till?, 151-166 brown grey cl till, very silty, 166-181 brown grey cl till, quite sandy, coal fragments, 181-196 brown grey cl till, sd lenses, coal fragments, 196-231 brown grey cl till, quite sandy, coal fragments, 231-235 brown to grey cl till, sandy boulder, 235-241 Saskatchewan sands, 241-267 Saskatchewan sands & gravels, 267-295 medium grey sh, 295-305 medium grey sh, slightly silty, 305-315 medium grey silty sh, 315-325 medium grey silty sh, coal fragments, 325-328 medium grey sh, slightly silty, very soft?, slightly bentonitic (poor sample), 328-330 coal?, 330-335 medium brown to medium grey soft sh, 335-345 medium brown soft sh, 345-355 medium dark brown coaly sh near bottom (some minor medium grey?), 355-375 medium grey-medium brownish grey soft sh (poor sample), 375-385 medium grey (some medium brownish grey) slightly silty sh, 385-395 could not get samples; E-log available, recorder installed October 20, 1963. Hardieville #1P1 (RCA-G)
NE	17	9	21	Anderburg & Sons		R			41	38			O			Shallow water-table well. Recorder installed October 29, 1964. Hardieville #1 (RCA-G)
NE	17	9	21	Anderburg & Sons		R	2c		270	92			O			E-log available. Piezometer at 267 ft. Recorder installed October 30, 1964. Hardieville #2P1 (RCA-G)
NE	17	9	21	Anderburg & Sons		R	2c		221.5	146			O			E-log available. Piezometer at 218 ft. Recorder installed November 1, 1964. Hardieville #3P1 (RCA-G)

Water-Well Records, West of the Fourth Meridian (Cont'd.)

Location West of 4th Mer. Lsd or 1/4	Sec.	Tp.	R.	Driller	Year drilled	Type of well	Hole diam. (in.)	Surface elev. (ft.)	Well depth (ft.)	Water depth (ft.)	Aquifer depth (ft.)	Yield or test rate (gpm)	Test results Drawdown or recovery (ft.)	Time (min.)	Use	Quality	Aquifer	Lithologic log, chemical analysis, and remarks
	18	9	21	Hall	1963	R	6 1/4		407	305.26	404-407	6	15.44	720		H		0-90 brown sandy till, 90-200 blue till, 200-225 coarse gr, 225-240 blue till, 240-394 sh, 394-396 coal, 396-404 sd & timber (mine shaft), 404-407 loose coal & sd; total solids 5603, sodium 1649, calcium 37, magnesium 7, bicarbonate 2879, carbonate 420, sulfates 595, chlorides 16, nitrates 1.5; E-log of this test hole indicated that the mine shaft was water bearing, but the gr seam from 200-225 was non water bearing. Water is very highly mineralized and cannot be used for human consumption. Pump test available, cased 408.71 ft. with 4 in. I.D. casing, bottom 10 ft. slotted.
NE	26	9	21		1913	Dr	6c	2882	235	100					D, S	S	Belly River	Not used now (GSC-I)
SE	31	9	21		1931	D		2875	32	20					D	H, A	Recent alluvial sd & gr	(GSC-I)
NE	36	9	21		1914	Dr	6c	2874	275	175		<1			D	S	Belly River	(GSC-I)
	1	9	22			Dr	6, 4 1/2c		85									
7	12	9	22							17			0				Coal	Put into operation as observation well on Dec. 4, 1963
7	12	9	22							13			0					Put into operation as observation well on May 27, 1964
SE	12	9	22			Dr		2708	32									0-10 brown cl, 10-15 coarse gr with cl, 15-18 fine gr with sh chips, 18-20 brown cl, 20-24 fine to medium gr with coal & sh, 24-32 sh
SE	12	9	22			Dr		2704	70	17								0-8 sandy brown cl, 8-10 coarse gr, 10-12 brown cl, 12-19 medium gr, 19-21 cl & gr, 21-32 coarse gr, could be dirty at the bottom, 32-34 slightly sandy sh, 34-40 coal seams, 40-55 coal, hole blind @ 55, 55-62 sh, 62-65 coal, 65-70 sh
SW	12	9	22			Dr		2703	70									0-2 brown cl, 2-6 dry gr, 6-11 brown cl, 11-18 coarse gr, 18-19 cl, 19-21 coarse gr, 21-31 coarse gr & boulders, 31-39 black sh, 39-41 coal, 41-61 sh, 61-64 coal, 64-65 sh, 65-67 ss, 67-70 sh; elevation of water level in gr pit is 2687.
SW	12	9	22			Dr		2707	40									0-16 sandy brown cl, 16-17 gr, 17-19 cl, sd or gr, 19-28 coarse to medium gr, 28-33 boulders & coarse gr, 33-37 sh, 37-40 coal
SE	12	9	22	Hall	1963	Dr	8,6c		61	15		600	1 -1	120 1	I	MH, Su		0-5 brown sandy cl, 5-36 coarse gr, 36-56 sh, 56-58 coal, 58-61 open mine shaft; iron and sulfates present in water
SE	12	9	22	Hall	1963	Dr	7 7/8		70	17	19-61	520	2 -1	900 480	I	MH		0-19 brown cl, 19-28 coarse gr, 28-59 sh, 59-61 coal, 61-70 sh; iron and sulfates present in water
14	13	9	22	Maughan	1964	Dr	6		21	12	16-21	15		180	D, S	H	Sd & gr	0-8 silt, 8-16 cl & gr, 16-21 sd & gr
14	13	9	22	Maughan	1964	Dr			80	18	24	<1						0-8 silt, 8-19 gr, 19-80 sh

SE	24	9	22		1926	Dr	6c	2861	80	30		G			D,S	H	Recent alluvium	(GSC-I)
NE	16	9	24			Dr	5		108	81	108	5	85 -85	10 5	D			0-22 brown sandy cl, 22-98 brown cl, 98-104 gr & sh, 104-104.5 hard rock, had to put on a rock bit, 104.5-107 gr & sh, 107 had to pull rock bit and put on a new hard rock bit, 108 gr & water; very rocky from 96 ft. with hard layers of sh every few in.
NE	17	9	24		1916	Dr	5 5/8c		223	123	215	>1	20	?	D,S	So	Gr	120-123 ss, 155-161 ss
SW	18	9	24		1917	Dr	5 5/8c		169	49	160	>1	10	?	D,S	S,So	Gr	150-154 ss
SE	18	9	24		1917	Dr	5 5/8c		148	48	145		20	?	D,S	S,So	Gr	110-114 ss
W1/2	19	9	24		1917	Dr	5 5/8c		140	40	130	G	20	?	D,S	S,So	Gr	120-126 ss
N1/2	28	9	24	Goddard	1954					D								0-40 sd & sh, 40-150 blue & red sh
NW	1	9	25		1917	Dr	5 5/8c		130	60	125	<1	60	?	D,S	S	Sd	110 ss, 125-128 ss
NE	12	9	25		1917	Dr	5 5/8c		175	75	168	1	30	120	D,S	S,So	Gr	120-124 ss, 158-164 ss
SW	13	9	25		1917	Dr	5 5/8c		167	67	160		10	?	D,S	S,So	Gr	150-162 ss
NW	13	9	25		1917	Dr	5 5/8c		180	80	170	<1	10	120	D,S	S,So	Gr	145-151 ss
SE	14	9	25			Dr	5 5/8c		168	70	158		15	?	D,S	S,So	Gr	120-140 rock
NE	16	9	25		1917	Dr	5 5/8c		145	65	140	<1	40	?	D,S	S	Sd	120-132 ss
SW	17	9	25	Maughan	1964	CT	6		185	19	55-78	P				S		0-4 cl, 4-8 gr, 8-40 dr, 40-60 red sh, 60-80 ? grey sh, 80-100 red sh, 100-140 grey sh, 140-185 red sh
11	18	9	25	Maughan					20	8		25	0		O		Gr	0-20 gr; recorder installed Sept. 27, 1962 (RCA-G)
S1/2	18	9	25		1951	D	36c		14	2							Sd & gr	
NW	23	9	25		1916	Dr	5 5/8c		330	D								
SE	24	9	25	Maughan		Dr			32	8		725			O			0-4 sandy loam, 4-32 gr; test hole #5 (RCA-G)
NW	26	9	25			Dr			80									Not completed yet - 1917
SW	27	9	25		1917	Dr	5 5/8c		150	35	144		20		D,S	S	Gr	120-134 ss
E1/2	1	9	26	Goddard	1954	Dr			70			.5						0-32 gr, 32-70 blue sh; well abandoned
	1	9	26	Goddard	1960	Dr	6 1/4	3150	21	16	0-4	40	.5		D,S		Topsoil	0-4 topsoil, 4-16 boulders & gr, 16-21 gr
N1/2	4	9	26		1950	D	36s	3150	10	5	0-10						Gr	0-10 gr
S1/2	4	9	26		1958	D	48s	3150	14	2	14				D,S		Gr	0-14 gr
NE	6	9	26		1941	D		3150	15									Water level fluctuates with level of river and is of little value to owner.
SE	10	9	26		1959	Dr	6 1/2	3150	41	16	0-41						Gr	0-41 gr
SW	10	9	26	Goddard	1959	Dr	6 1/2c	3150	61	16		20			D		Gr & ss	0-45 gr, 45-61 ss & water
SW	10	9	26		1960	D	48s	3150	16	5	0-16				D,S		Gr	0-16 gr
	10	9	26						85		65	8			D			0-6 sd, 6-16 gr, some water, 16-82 sh & streaks of ss
NE	11	9	26	Maughan		Dr			124						O			0-4 sandy loam, 4-8 boulders & gr, 8-10 ss, 10-124 sh & sandy sh; test hole #1 (RCA-G)
SW	11	9	26	Maughan		Dr			16	10					O			0-10 sandy loam, 10-12 sd, 12-16 gr; small supply, test hole #6 (RCA-G)
NW	11	9	26	Maughan		Dr			19	8		1			O			0-19 gr, dry sd; test hole #2 (RCA-G)
SE	11	9	26		1955	D	36		8	1.5	0-8	10			S		Gr	0-8 gr
SE	12	9	26		1959	D	36	3150	22	1.17		15	.17	600	D,S		Gr	0-22 gr; well has never been put to full capacity.
6	12	9	26	Maughan		Dr			28	9		30			O			0-13 gr, 13-28 silt; recorder installed Sept. 27, 1962 (RCA-G)
	12	9	26			D		3150	18?								Gr	
SW	13	9	26	Maughan		Dr			15	8		3.4			O			0-15 gr; test hole #3 (RCA-G)
NE	13	9	26	Maughan		Dr			20	8		725			O			0-20 gr; recorder installed, test hole #4 (RCA-G)
SE	15	9	26			S		3150							S			
N1/2	15	9	26			S		3150							S			
	20	9	26			Dr		3121	70	F	70							0-20 gr, 20-45 cl & rocks, 45-70 gr; flow was hard to stop.

Water-Well Records, West of the Fourth Meridian (Cont'd.)

Location West of 4th Mer. Lsd or 1/4	Sec.	Tp.	R.	Driller	Year drilled	Type of well	Hole diam. (in.)	Surface elev. (ft.)	Well depth (ft.)	Water depth (ft.)	Aquifer depth (ft.)	Yield or test rate (gpm)	Test results Drawdown or recovery (ft.)	Time (min.)	Use	Quality	Aquifer	Lithologic log, chemical analysis, and remarks
SE	26	9	26			Dr			60?	F		20-30			D			Flow of this well is greatly affected by old Granum Airport well approximately one-half mile to the northwest.
SE	26	9	26		1943?	Dr			60?			50			D			Formerly used by Granum Airport, but is now the domestic supply for approximately 50 farmers.
	29	9	26			Dr		3114		F	60							0-20 gr, 20-40 cl & rocks, 40-60 gr; used 1300 pounds of cement to stop flow, flowing shot hole
NW	36	9	26	Southern Water Wells	1961	Dr	5c		53	43	46-53	10		240	D, S		Gr & black sd	0-15 sd & gr, 15-41 cl, 41-46 black sd, 46-53 gr & black sd
		9	26	Western Water Wells	1955	Dr			20	8	13-18	8			D			0-5 sandy, 5-8 dry gr, 10-18 medium gr with fragments of ss & cl from 2 ft. to 20 ft.
SE	2	9	27	Goddard	1954					D								0-40 yellow cl, 40-150 blue sh
SW	1	10	1			D			14	11	8-11	P			D, S	H, A	Glacial gr	0-8 yellow boulder cl, 8-11 gr?, 11-14 blue boulder cl (GSC-I)
NE	1	10	1		1918	D	48s		9	0	6	G			D, S	S	Glacial gr	0-9 sandy cl; 52°F (GSC-I)
NE	1	10	1			D				3		P			D	H, A		46°F (GSC-I)
SE	4	10	1			D	48s		14?	8	14	P			D, S	H, A	Glacial gr	0-20 blue cl; 48°F (GSC-I)
NE	4	10	1		1922	D	48s	3100	16	2	16	P			D	S	Glacial sd	0-16 boulder cl; 51°F (GSC-I)
NW	4	10	1		1932	D	48s	3310	21	14	21	P			D, S	H	Glacial cl & hard sd	0-21 cl; 50°F (GSC-I)
NW	6	10	1		1915	D	60		11	5	11	P			D, S	H, A	Glacial cl	48°F (GSC-I)
SW	10	10	1		1920	D	48s	3050	12	0	12	P			D, S	H	Cl	0-12 cl?; also has a 20 ft. deep flowing well, 54°F (GSC-I)
NW	12	10	1			D			7?	0	6	P			D, S	H, A	Glacial gr & sd	0-7 gr; 46°F (GSC-I)
SE	14	10	1			D	36s		19	10	16	P			D, S	H, A	Glacial gr & sd	0-16 blue cl; also five dry holes as deep as 266 ft. (GSC-I)
NE	14	10	1			D			6?		4	P			D	H, A	Glacial gr	0-6 blue cl (GSC-I)
SE	18	10	1		1932	D	48s	3155	10		10	G			N	H	Glacial cl	0-10 yellow cl (GSC-I)
SE	22	10	1			D			15?		7	P			D	S	Glacial gr	13-15 blue cl; 46°F (GSC-I)
NW	26	10	1		1934	D	36s	2800	14	5	14	G			D, S	S	Glacial gr	0-2 cl, 2-14 gr; 52°F (GSC-I)
NW	31	10	1					3000	10	0	10	G			N	S	Bearpaw (sh)	54°F (GSC-I)
SW	34	10	1		1912	D	36	2690	15	8	15	G			D, S	MH	Gr	49°F (GSC-I)
NE	36	10	1		1902	D	60s	2600	12		12	G			D	S	Glacial gr	Not used now, uses springs (GSC-I)
SE	3	10	2		1928	D			15?			P			D	H, A	Cl	42°F (GSC-I)
NE	3	10	2			D			12?			P			D	H, A	Glacial gr	0-4 gr, 4-12 blue cl (GSC-I)
SE	4	10	2		1932	D			29		25-27	P			S	H, A	Glacial sd	Bottomed in gr; 42°F (GSC-I)
NE	4	10	2			B			39		39	P			D	H, A	Glacial sd	0-39 yellow cl; dry in the fall (GSC-I)
SW	6	10	2			D	48s	3275	15		15	G			D, S	H	Glacial yellow sd	(GSC-I)
NE	6	10	2			D	54s		12		12	G			D, S	H	Glacial gr	(GSC-I)
NW	7	10	2			D	48s	3200	5	0	5	G			D, S	S	Glacial sd	Not used now (GSC-I)
NE	7	10	2			D	48s	3150	7		7	G			D, S	H	Bearpaw sh	0-7 gr & cl (GSC-I)
SW	10	10	2			D			30?	28		P			D	H, A	Glacial boulder cl	0-30 cl; dry in wintertime, 43°F (GSC-I)

NE	10	10	2		D	48s		12			P	S	H,A	Glacial gr	Dry in wintertime, 46°F (GSC-I)
SW	12	10	2		D	48		19			P	D,S	H,A	Glacial gr	Dry in wintertime, 46°F (GSC-I)
NE	14	10	2	1934	D	48s	3150	12		12	P	D	H	Glacial cl	Dry in wintertime (GSC-I)
NE	15	10	2		D	48s	3100	10		10	P	S	H,A	Glacial boulder cl	Dry in wintertime (GSC-I)
NW	16	10	2	1935	D	60x54		18		18	P	D	H,A	Glacial gr	0-18 boulder cl; 43°F (GSC-I)
SE	18	10	2	1935	D	72s	3150	12		12	G	D,S	H	Bearpaw sh	0-12 boulder cl (GSC-I)
NW	18	10	2	1936	D	48s	3000	12		12	G	D	MH	Bearpaw (gr into sh)	0-12 gr (GSC-I)
NW	22	10	12	1910	D	48s	3100	15		15	P	D,S	H,A	Boulders & cl?	Caved in now (GSC-I)
NE	22	10	12	1932	D	48s	3075	7		7	G	D	S	Glacial gr	(GSC-I)
SW	23	10	12		D	48s	3070	10	6	10	P	D,S	H	Glacial gr & sd	(GSC-I)
SE	24	10	12		D&B	60s	3050	20	12	20	P	D,S	S	Glacial gr	(GSC-I)
SE	25	10	12	1922	D	48s	3025	19	0	19	P	D	H	Bearpaw sh	Also has another bored well 29 ft. deep, with 23 ft. of water, which is not used now. (GSC-I)
NE	29	10	12	1919	D	48s	3140	30		30	P	N	H,A	Glacial blue cl	Unfit for use, too laxative (GSC-I)
NE	30	10	12		D	36s	3200	20	12	20	P	D,S	H,A	Yellow cl	Dry in winter (GSC-I)
SW	32	10	12		D	48s	3100	35		30-35	G	N	S	Glacial sd	Now caved in (GSC-I)
NE	34	10	12	1931	D	48s	2975	14		14	G	D,S	S	Glacial grey & yellow sd	(GSC-I)
SE	1	10	3	1919	D			24		14	G	S	H	Glacial sd	Shallow well for drinking (GSC-I)
NE	1	10	3		B	24	3250	60	0	66		S	H,A	Bearpaw sh	(GSC-I)
NE	3	10	3		B	24		32	12		P	D,S	H		(GSC-I)
NE	4	10	3		D	42s		14			G	D,S	MH	Grey quicksand	49°F (GSC-I
SE	4	10	3	1935	D	36s		13	8			D,S	H	Glacial yellow loam	(GSC-I)
NE	5	10	3	1934	D			23	1		G	S	H	Glacial till	Bitter taste, 43°F (GSC-I)
SW	6	10	3	1920	D	48s		16	12		G	D	H	Glacial till	Also has another 10 ft. deep well, 48°F (GSC-I)
NE	16	10	3		D			20	6		G	D,S	H		(GSC-I)
NW	18	10	3	1925	D	48s	3190	15	3	15	G	D,S	MH	Glacial sd	(GSC-I)
SE	22	10	3	1929?	D	36s		15			P	D,S	H		Also has another similar well, 44°F (GSC-I)
SE	23	10	3	1917	D	36s		10	F		G	D,S	MH	Alluvial gr	(GSC-I)
SW	24	10	3		D	36s		10			P	D,S	H		(GSC-I)
SE	26	10	3	1917?	D	42		20	16		P	S	H	Cl	(GSC-I)
NE	26	10	3	1907?	D	36s		20	16			D,S	H	Cl	(GSC-I)
NE	28	10	3		D			36				S	H	Glacial	46°F (GSC-I)
NE	30	10	3	1930	D	48s	3100	15			G	S	H,A	Bearpaw sh	(GSC-I)
NE	31	10	3	1930	D	48s	2975	18		18	G	S	H	Glacial boulder cl & sd	(GSC-I)
NE	32	10	3		Dr	18		110			G	S	H		(GSC-I)
NW	35	10	3	1905	D	72x96		7	F		G	D,S	S	Recent gr	(GSC-I)
SW	1	10	4		D			18	16		G	D,S	H,A	Glacial cl	Slough also used, 43°F (GSC-I)
NW	2	10	4	1935	D	48s		28	24		G	D	MS	Gr	10 coal seam, 18-28 gr; also has another 15 ft. well, 44°F (GSC-I) 90-110 white greasy cl (GSC-I)
NW	3	10	4	1928	B	24	3175	110	D			D	H,A	Alluvial sd	(GSC-I)
SE	4	10	4	1931	D	54s	3180	14	8	14	G	D	MH	Glacial brown cl	45°F (GSC-I)
SW	6	10	4	1927	B	24	3290	32	9	7	G	D	H	Bearpaw sh	42°F (GSC-I)
NW	7	10	4	1920?	D	36	3140	55			G	D,S	MH	Glacial quicksand	(GSC-I)
NW	8	10	4	1919?	D	60s	3140	17	5	17	G				

Water-Well Records, West of the Fourth Meridian (Cont'd.)

Location West of 4th Mer. Lsd or 1/4	Sec.	Tp.	R.	Driller	Year drilled	Type of well	Hole diam. (in.)	Surface elev. (ft.)	Well depth (ft.)	Water depth (ft.)	Aquifer depth (ft.)	Yield or test rate (gpm)	Test results Drawdown or recovery (ft.)	Time (min.)	Use	Quality	Aquifer	Lithologic log, chemical analysis, and remarks
NE	9	10	4		1920	D	48s	3050	9	4	9	P			S	H	Alluvial gr	Also has a similar 5 ft. well (GSC-I)
SW	10	10	4			D	48s	3150	4		3	G			D, S	H	Gr	Bottomed in sh(GSC-I)
	10	10	4		1910	D	48s		10	4	4				S	H	Gr	
SE	12	10	4		1936	D	48s		12	7		G			D, S	H	Glacial sd	Also has a similar 18 ft. well, 50°F (GSC-I)
	12	10	4		1910?	D	48s	3375	13	0	13	G			D, S	MH	Glacial gr	(GSC-I)
SW	13	10	4		1932	D						G			D	H, A	Gr	Also uses a spring, 49°F (GSC-I)
NE	13	10	4		1920	D	48s	3190	20	10	20	G			D	MH	Glacial grey sd sd	(GSC-I)
SW	14	10	4		1931	D	48s		28	10		G			D, S	H, A	Bearpaw sh	26 br; 44°F (GSC-I)
NE	16	10	4		1927?	D	48s	3060	9	4	9	G			D	H	Glacial sd (quicksand)	51°F (GSC-I)
NW	16	10	4		1936	D	60	3040	6	1	6	G			D	MS	Alluvial cl	52°F (GSC-I)
SW	18	10	4		1916	B	24	3040	70	30	70	G			D, S	H, A	Glacial dr?	(GSC-I)
NW	18	10	4		1916	B	30, 8	3080	65	35	65	G			D, S		Glacial gr	Boulder at 50 ft., 49°F (GSC-I)
NE	20	10	4		1911, 1919	D		2950	10	9	10	G			D	H, A	Alluvial gr	(GSC-I)
NW	20	10	4		1929	D	48s	2975	15		12-15	G			D, S	H	Glacial gr	(GSC-I)
	21	10	4	Renbar	1955	Dr	2c		1400	D								Dry gas was struck @ 1380 ft., with gas sand @ about 20 ft. Gas is at 220 pounds pressure at fair volume. There were 25 bags of cement poured down the hole to the 300 ft. level, and the hole was packed with sacking from there to the bottom at 20 ft. intervals. This hole was very dry, but has a sufficient supply of gas for all needs.
NE	22	10	4			D			18	12		G			D	H	Glacial boulder cl	46°F (GSC-I)
NW	22	10	4		1924	D	48s	3055	16	5	8	G			D	H, A	Glacial gr	8-16 yellow cl (GSC-I)
SE	25	10	4		1929	B	24	3050	30	21	30	G			S	H, A	Glacial sd	Laxative effect & bitter taste (GSC-I)
NE	25	10	4		1917?	B	24	3000	30	24	30				D, S	MH	Glacial quicksand	44°F (GSC-I)
NE	26	10	4		1918	D	48s		25						D, S	H, A	Boulder cl	45°F (GSC-I)
NW	26	10	4			D	48s		24	12		G			S	H, A	Bearpaw sh	20 br; laxative effect (GSC-I)
NE	27	10	4		1922	D	48s		29			P			S	H, A	Bearpaw	Salty taste to water (GSC-I)
NW	27	10	4		1934	D	60s	3000	8	6	8	P			S	S	Gravel cl	(GSC-I)
SW	28	10	4		1918?	D	36	2940	8	7	8	G			D	H, A	Alluvial gr	(GSC-I)
NE	28	10	4		1917	D	60	3010	15	3	15	G			D, S	H, A	Glacial yellow cl	Varies with level of dam, 47°F (GSC-I)
SE	31	10	4		1925	D	48s	2850	10	5	10	G			D, S	H, A	Glacial quicksand	(GSC-I)
SE	32	10	4		1928	D	48s	2900	10	4	10	G			D, S	MS	Alluvial gr	(GSC-I)
SE	34	10	4		1917?	D	48s		22	19		G			S	H, A	Boulder cl	Water at top of Bearpaw (GSC-I)
SE	34	10	4			B	48, 18		78	43	15	P			D	H, A	Bearpaw yellow cl & sd	(GSC-I)
SW	35	10	4			D	60s		22	10		P			D, S	H, A	Yellow cl & loam	(GSC-I)
NE	36	10	4		1929	D	36	2850	20	15	20	G			D	MH	Glacial	(GSC-I)

SW	2	10	5		1937	B	24	3275	64	15	64	G			S	H,A	Glacial sd	Laxative effect, 45°F (GSC-I)
SE	4	10	5		1927	D	36	3250	52		52	G			D,S	H,A,I	Glacial?	45°F (GSC-I)
NW	12	10	5		1928	B	24	3150	50	16	50				S	H,A	Cl	Bottomed in red cl; 46°F (GSC-I)
NE	17	10	5		1929	D	36		22	20	22	G			D,S	H,A	Glacial gr & sd	Laxative effect, 45°F (GSC-I)
SW	26	10	5		1910	D	36	2875	18	17	18	P			D	H,I	Recent cl?	49°F (GSC-I)
NE	34	10	5			D			10?						D,S	H,A	Recent gr	Five wells supply house (GSC-I)
NE	9	10	6			D			27		20				D,S			
NW	10	10	6						40		34				D,S	H,A	Cl & sd	
NE	10	10	6		1912	Dr			68	43	68	G	20		D,S	H	Cl	
NE	10	10	6		1918	B	24	2940	65	50	65	G			D,S	H,I	Glacial sd (cl)	(GSC-I)
SW	12	10	6		1935	B	24	3025	38	29	38	G			D,S,Ir	MH	Glacial gr	43°F (GSC-I)
SW	12	10	6		1910	B	24		40	36	40				D,S	H		
NW	12	10	6		1911	D	36s		34	30	34				D,S	H	Cl, loam	
SE	14	10	6		1916	D	36	2935	10	4	10	<1			D,S	MH,A	Glacial gr	43°F (GSC-I)
NW	14	10	6		1911	B	24	2940	79	24	79	G			D,S	H,I	Glacial gr	45°F (GSC-I)
NW	14	10	6		1911	B	24		78	48	78		18		D,S	H	Gr	
NE	15	10	6		1934	Dr		2940	80	77	80	<1			S	H,I	Ss	(GSC-I)
SW	16	10	6		1912	Dr	24		150	100	150	G			D,S	H,I	Pale Beds ss	Also has a spring, 46°F (GSC-I)
SE	16	10	6			Dr	6c		140	115	140		25		D,S	H		Abandoned farm
NW	16	10	6		1933	Dr	6	2850	187	180	187	P			N	H,I	Pale Beds ss?	Uses soft soda spring water (GSC-I)
SW	17	10	6		1913?	B,Dr	2c		160		160						Quicksand	Bored 100 ft., drilled 60 ft.
NW	19	10	6		1924	Dr	6	2600	204	100?	204	G			S	S,So	Ss	185? br (GSC-I)
SW	22	10	6						141	115?	141				N		Ss	
SW	28	10	6			D			40						D,S	H,I	Quicksand	(GSC-I)
NW	30	10	6		1914	Dr	6	2540	140	70	140	G			D,S	H,I		0-40 cl, loam, 40-130 cl, 130-138 coal, 138-140 ss; 46°F (GSC-I)
NW	32	10	6		1935	Dr	6	2550	110	30	110	P			D,S	H	Glacial gr	(GSC-I)
SW	34	10	6			S												(GSC-I)
SE	2	10	7	L. Maarion	1962	B	18	2300	18	17	18	G			D	MH		Bottomed in loose sd, 2 br?
SW	15	10	7	L. Maarion	1962	B	22	2300	33	18		G				MH		Bottomed in sd
SE	19	10	7	W. Siety	1962	B	24		20	4		G				MH		Bottomed in cl
SE	20	10	7		1918	Dr	6	2500	205	90	205	G			D,S	S,So	Glacial gr?	46°F (GSC-I)
NW	21	10	7	L. Maarion	1962	B	20	2400	29			G				H		Bottomed in loose sd (GSC-I)
NW	22	10	7	L. Maarion	1962	B	21	2200	28	18		10	6		D	MH		Bottomed in sd
													-6	120				
NW	22	10	7		1919	B	8c?		150	96	150	G			D,S	S	Cl	0-150 cl
NE	24	10	7		1909				170	100	170				D,S	H	Coal	0-170 cl soil
NW	30	10	7		1910	D	42		18						D,S	MH	Glacial sd	Also has three similar wells, 47°F (GSC-I)
SW	30	10	7		1912	D	36		14	10		G			S	H,A	Cl, quicksand	(GSC-I)
NW	30	10	7	L. Maarion	1962	B	21	2300	28	20		G	?	600	D	MH		Bottomed in cl (GSC-I)
SW	34	10	7	L. Maarion	1962	B	18		17	8		G			D	MH		
SW	34	10	7		1962	Dr	3c		800						D,S	S	Lower Milk River ss	(GSC-I)
NE	16	10	8	L. Maarion	1963	B	24,20		40	20					D			0-22 sd, 22-40 blue cl
SW	17	10	8		1910	Dr	6		110			<1			D,S	H,A		47°F (GSC-I)
NE	19	10	8		1933	B	24		120	75		G			D,S	S,So	Pale Beds	48°F (GSC-I)
SW	19	10	8		1919	Dr			128						D,S	H,A,I	Sd?	Hole now filled in (GSC-I)
SW	20	10	8		1912	D	48		24			<1			D,S	H	Pale Beds	(GSC-I)

Water-Well Records, West of the Fourth Meridian (Cont'd.)

Location West of 4th Mer. Lsd or 1/4	Sec	Tp.	R.	Driller	Year drilled	Type of well	Hole diam. (in.)	Surface elev. (ft.)	Well depth (ft.)	Water depth (ft.)	Aquifer depth (ft.)	Yield or test rate (gpm)	Test results Drawdown or recovery (ft.)	Time (min.)	Use	Quality	Aquifer	Lithologic log, chemical analysis, and remarks
SE	22	10	8			D			32	9					D, S	H		(GSC-I)
SE	22	10	8			Dr	6		96	30		G			S	S, So		(GSC-I)
NE	22	10	8		1915	D	36		80			G			D, S	MH	Glacial cl	Sulfur, 46°F (GSC-I)
NW	23	10	8		1912	Dr	6		112	44		G			S	S, So	Pale Beds	100 br; 47°F (GSC-I)
NW	24	10	8			Dr	6		130						S	S, So	Pale Beds	Coal; poor water (GSC-I)
NW	27	10	8		1910	B	30		50	20		G			S	H, A, I	Glacial dr?	Laxative (GSC-I)
SW	30	10	8		1915	Dr	6		128			P			N	S, So, I	Glacial sd	(GSC-I)
NW	31	10	8		1909	D	48		58			G			D, S	H		45°F (GSC-I)
NE	32	10	8		1912	Dr	6	2760	100	70	100	G			D, S	S, So, I	Pale Beds ss	47°F (GSC-I)
NW	32	10	8		1935	D	36	2770	60		60	G			D, S	H	Ss	Also has a similar well 57 ft. deep (GSC-I)
NE	36	10	8			Dr		2700	140	115	140	P			D, S	S	Pale Beds	Salty tasting, 47°F (GSC-I)
NW	3	10	9		1935	D	36		52	46		G			D, S	H, A	Glacial cl	Has two other wells eight rods away but the water is laxative (GSC-I)
SE	4	10	9		1914	D	36		25	18		G			S	H, A	Glacial cl	(GSC-I)
NW	5	10	9		1931	B	24		58	50		<I			D, S	MH, I	Glacial sd	47°F, has another drilled well 130 ft. deep, with the water level at 50 ft. (GSC-I)
SW	5	10	9		1911	D	36		45	35					D, S	H, I	Glacial sd	45°F (GSC-I)
NE	6	10	9			D			24	21					D, S	MH	Glacial sd	45°F (GSC-I)
SE	7	10	9		1910	D	36		40	35					S	H, Su	Glacial dr?	Deserted farm, 46°F (GSC-I)
SE	9	10	9		1917	B			52	22		<I			D, S	H, I	Glacial sd	45°F (GSC-I)
NW	9	10	9		1937	B	24		90	75		<I			D, S	MH, I	Glacial sd	Bottomed in gr; 44°F (GSC-I)
SE	12	10	9		1915	D	36		19	10					D, S	H	Glacial gr	50°F (GSC-I)
NE	12	10	9			S									D, S			(GSC-I)
NE	13	10	9		1917	Dr	6		250	90		P			D	S, So	Belly River	65 quicksand (GSC-I)
NW	16	10	9		1910	D	36		8	3		G			D, S	H, A	Glacial dr	(GSC-I)
NE	18	10	9			D	42		12	8		<I			D, S	MH	Glacial gr	49°F (GSC-I)
SE	20	10	9			D	42		28	11		G			D, S	MH, A	Glacial dr	43°F (GSC-I)
NE	22	10	9		1920	D	42		65	40		G			S	VH, A, I	Glacial dr	47°F (GSC-I)
NW	27	10	9		1934	B	36		61	40					D, S	MH, I	Glacial dr	Also springs in coulee, 48°F (GSC-I)
NE	28	10	9		1914	D	36		51	43					D, S	H	Glacial dr & sd	Bottomed in sd; 45°F (GSC-I)
NE	31	10	9		1909	D	48		65			<I			D, S	MH, A, I	Glacial gr	44°F (GSC-I)
SW	32	10	9		1935	B	24		74	69		<I			D, S	MH, A	Glacial?	Belly River?; sulfur smell, 44°F (GSC-I)
NE	33	10	9		1910	B	36		65	50		G			S	VH	Glacial dr	Salt?, 45°F (GSC-I)
NE	34	10	9		1928	D	36		90						D, S	S, So?	Glacial dr	45°F (GSC-I)
SE	34	10	9			D			34		3				D, S	S		
SW	1	10	10			Dr			145	115							Glacial dr	0-2 subsoil, 2-45 light yellow cl, 45-50 coarse gr, 50-70 blue cl, 70-82 quicksand, 82-137 grey cl, 137-145 coarse sd & gr; good water (GSC-I)
SW	1	10	10		1916	Dr	6	2760	140		140	<I			S	H, I	Glacial quicksand	46°F (GSC-I)
NW	1	10	10		1934	D	48	2775	28	2	28	1.5			D, S	MH	Glacial quicksand	43°F (GSC-I)

SE	3	10	10		1934	D	36	2790	80	40	80	<1	D, S	H, A	Glacial dr	45°F (GSC-I)
NE	4	10	10		1935	D	48	2800	32	20	32	<1	S	MH A, I	Glacial dr	46°F (GSC-I)
NW	5	10	10			Dr	2		837	+3		1.75	D, S	S, Sc	Milk River	53°F (GSC-I)
NW	6	10	10			Dr	2		830	+5		G	D, S	S	Milk River	51°F (GSC-I)
SE	9	10	10		1911	D	42	2750	22	15	22	G	D, S	H	Glacial quicksand	Varies with pond level, 45°F (GSC-I)
NW	9	10	10			B	24	2730	97		97	G	D, S	H, A, I	Glacial dr	(GSC-I)
SE	10	10	10	Foremost	1950	Dr	3, 2c		900			G	D	S	Lower Milk River ss	(GSC-I)
SE	12	10	10		1909	D	42	2775	20		20	G	S	H, A	Glacial dr	Twenty other wells on this section (GSC-I)
NE	13	10	10		1920	D	36		18	12		G	D, S	H	Glacial dr	49°F (GSC-I)
SW	16	10	10			Dr	6	2725	180		180	<1	S	S	Pale Beds	134 coal, 180 ss; Glaubers Salts (GSC-I)
NW	18	10	10		1912	Dr	6	2660	94		94	G	S	S, So	Ss?	Also has a dug well 35 ft. deep with hard water (GSC-I)
NW	18	10	10		1910	B	24	2650	100		100		D, S	S, So	Pale Beds	(GSC-I)
SE	18	10	10		1931	B	24	2725	104	57	104	G	D, S	S	Belly River	99-104 coal, 76 br; 47°F (GSC-I)
SE	19	10	10		1908	D	42s	2650	56	15	56	G	D, S	H	Glacial cl	45°F (GSC-I)
SE	20	10	10		1906	D	26		60	18		G	S	S, So		42 br (GSC-I)
SE	21	10	10			B	36	2725	82	20	82	G	S	S, So	Belly River ss	65 coal, 82 br (GSC-I)
SE	21	10	10			Dr			143	70	126-129	G				0-2 subsoil, 2-50 light yellow sandy cl, 50-60 ss (GSC-I)
NE	21	10	10		1933	D	36	2675	26	6	26	G	D, S	H, I	Glacial quicksand	Water is laxative, 45°F (GSC-I)
SE	24	10	10		1908	D	36	2800	40	15	40	G	S	H, A	Glacial sandy cl	Also has another well 40 ft. deep, 20 ft. of hard water, 43°F (GSC-I)
NW	27	10	10		1918	D	48	2700	35	13	35	G	D	H, A	Glacial quicksand	45°F (GSC-I)
SW	28	10	10		1915	D	24	2675	58		58	G	S	H, A	Glacial gr	Also has two dry wells, water is laxative (GSC-I)
NW	30	10	10		1915	B	24	2625	92		92	G	S	H, I	Glacial dr?	48°F (GSC-I)
SE	30	10	10		1934	B	24	2640	69		67	P	S	H, A	Pale Beds ss	Water is laxative (GSC-I)
NE	2	10	11			Dr				+4		2	S	S, So	Milk River ss	Foremost, Pakowki; 52°F (GSC-I)
SW	3	10	11		1928	D	36	2715	18	12	6-12	G	D	H	Glacial sd	(GSC-I)
SE	5	10	11		1913	B	30	2645	120	104	104-120		N	H, A	Belly River gr & cl	0-20 red cl, 20-94 blue cl, 94-104 red cl, 104-120 gr & cl; water is salty & unfit for use (GSC-I)
SW	5	10	11			Dr	2	2633	640	+3		1	D, S	S, So	Milk River	Belly River 640, Pakowki (GSC-I)
SW	6	10	11		1932	B	24	2605	30	20	20	G	D	H	Glacial gr	Seepage from slough (GSC-I)
NW	6	10	11		1923	Dr	24	2610	670	+2		2	S	S, So	Milk River	Belly River, Pakowki (GSC-I)
SE	10	10	11			Dr	2	2675	150	100		<1		H, So	Belly River	(GSC-I)
SW	10	10	11		1934	Dr	2	2670	760	+12	720	G	D, S	S, So	Milk River	Belly River, Pakowki; water is salty, enough gas for house (GSC-I)
SW	12	10	11		1915	D	48s	2714	18	12	18		N	H	Glacial sd	0-2 subsoil, 2-18 yellow cl with sd; water is stagnant (GSC-I)
NW	12	10	11		1909	Dr	2	2682	150	100		G	D, S	H, A, So	Belly River	(GSC-I)
NW	13	10	11		1914	D	48s	2665	60	55			S	H, A, So	Glacial quicksand	Too alkaline for domestic purposes (GSC-I)
SE	14	10	11		1933	B	30	2668	84	54	80	G	S	H, A, I	Glacial sd & gr	0-1.5 chocolate loam, 1.5-11.5 yellow cl, 11.5-83.5 blue cl & sd with gr; water is salty (GSC-I)
SW	18	10	11		1909	D		2570	25		10	G	D, S, Ir	H	Glacial gr	Seepage from slough (GSC-I)
NE	18	10	11		1916	D	48s	2585	25	20			D, S, Ir	H	Greenish-grey quicksand	Well caved in now

Water-Well Records, West of the Fourth Meridian (Cont'd.)

Location West of 4th Mer. Lsd or 1/4	Sec.	Tp.	R.	Driller	Year drilled	Type of well	Hole diam. (in.)	Surface elev. (ft.)	Well depth (ft.)	Water depth (ft.)	Aquifer depth (ft.)	Test results: Yield or test rate (gpm)	Drawdown or recovery (ft.)	Time (min.)	Use	Quality	Aquifer	Lithologic log, chemical analysis, and remarks
SE	22	10	11		1905	D	48s	2635	30	24		G			D, S	H, I	Glacial sd	(GSC-I)
SW	22	10	11		1929	B	30	2635	33	27	33	G			D, S	H	Glacial sd	0-25 red cl, 25-27 blue cl, 27-33 grey sd (GSC-I)
NE	24	10	11		1917	Dr	5	2620	810	+6		1.25			S	S, So, I	Milk River	Belly River, Pakowki; water is salty (GSC-I)
SW	25	10	11		1917	Dr	2	2630	910	+3		1			S	S, So, I	Milk River	Colorado, Belly River, Pakowki; too salty for humans (GSC-I)
SW	28	10	11		1911	D	30s	2610	30	26		G			D, S	H	Glacial gr	(GSC-I)
SE	30	10	11		1916	Dr		2588	2415	+3	670	4			S	S, So, I	Milk River	Belly River, Pakowki, Benton; water is salty, 50°F (GSC-I)
NE	32	10	11		1908	D	72x96	2590	8	4		G			D, S	H, I	Glacial sd	0-7 blue cl, 7-8 grey sd; near a spring (GSC-I)
SE	34	10	11		1908	D	48s	2600	40	38		G			D, S	H	Glacial quicksand	(GSC-I)
NE	35	10	11		1918	Dr	4	2617	823	+4		G			S	S, So	Milk River	Belly River, Pakowki (GSC-I)
NE	36	10	11		1930	D	36s	2600	28	26		G			D, S, Ir	H	Glacial sd	(GSC-I)
SW	1	10	12		1915	B	30		150	25		P			D, S	H, I	Foremost	47°F (GSC-I)
NE	2	10	12		1915	D	48s		33			G			D, S	H	Glacial sd	49°F (GSC-I)
1	5	10	12	W. Maughan	1964	Dr	6		90									0-42 cl, 42-68 cl & gr, 68-90 cl
SE	5	10	12		1918	Dr	2		640	+4		.75			D, S	S, So	Milk River	Foremost, Pakowki; 52°F (GSC-I)
SE	10	10	12		1934	Dr	3		598	+3		13-12			D, S	S, So	Milk River ss	Foremost, Pakowki; 53°F (GSC-I)
NE	11	10	12		1915	D	96s		22							H	Glacial sd	46°F (GSC-I)
NE	16	10	12		1928	D	42s		26	23		G			D, S	H	Glacial sd	48°F (GSC-I)
SE	18	10	12			D	48s		34	30							Pale?	48°F (GSC-I)
SW	19	10	12		1920	Dr	2		675	8		10			S	S, So	Milk River	Foremost; 54°F (GSC-I)
SW	20	10	12		1918	Dr	2		670	+4		10			D, S	S, So	Milk River	54°F (GSC-I)
NW	22	10	12	Foremost	1954	Dr	2c		800	F		5				S	Lower Milk River sands	(GSC-I)
NE	22	10	12		1934	Dr	2		750	+3		6			D, S	S, So	Milk River ss	Foremost, Pakowki; 54°F (GSC-I)
SW	25	10	12		1907	D	36s		36	33		P			D, S	H	Glacial sd	(GSC-I)
NE	34	10	12		1917	Dr	2		715	+2		.5			S	S, So	Milk River ss	Foremost, Pakowki; some gas, not good for irrigating purposes (GSC-I)
SE	36	10	12		1909?	D	36s		25	17		G			D, S, Ir	H	Glacial sd	48°F (GSC-I)
NE	5	10	13		1914	D	42s		16			G			S	A	Glacial sd	0-16 sd; two wells at this location (GSC-I)
SW	9	10	13		1917	D	36		26			G			S	H	Glacial dr	47°F (GSC-I)
SW	10	10	13			D	48s		12							H	Glacial gr	51°F (GSC-I)
NE	16	10	13		1925	Dr	2		686						D, S	S, So	Milk River ss	Foremost, Pakowki, Pale Beds; some gas present, 56°F (GSC-I)
	16	10	13	W. Maughan	1954	Dr	4 1/4c		300								Sd	
SW	17	10	13		1930	D			18	0		G			S	S, So	Foremost	(GSC-I)
SE	18	10	13		1933	D			9	0					S	S, So	Belly River	Pale Beds or Foremost? (GSC-I)
SW	18	10	13		1912	D	36		33	25		P			S	S	Foremost	Pale Beds; 47°F (GSC-I)
	18	10	13	Foremost	1952	Dr	2c		820	F		G			S	S	Milk River ss	(GSC-I)
NE	24	10	13		1936	Dr	2		720	+3		12			S	S, So	Milk River	Foremost, Pakowki (GSC-I)
NW	28	10	13		1933	D			35						N	A		Too alkaline for use (GSC-I)
SE	32	10	13		1920	D	36s	2596	25	20	25	G			D, S	H	Glacial gr	0-2 surface soil, 2-7 yellow cl, 7-24 blue grey cl, 24-25 gr (GSC-I)

SW	5	10	14			D	48s	2655	20	18	20	G			D	H	Glacial sd	0-18 cl, 18-20 sd (GSC-I)
SW	6	10	14		1914	D	48s	2700	17	14	10	P			D, S	H	Glacial gr	0-3 sandy loam, 3-6 subsoil, white, 6-10 cl, 10-17 blue cl; 43°F (GSC-I)
NW	7	10	14		1915	D		2625	15	11		G			D, S	H	Glacial sd	0-15 sd (GSC-I)
NE	10	10	14			D	48s	2626	12	10	12	G			D, S		Glacial quicksand	Good water (GSC-I)
NE	10	10	14			Dr			600			G			P		Milk River	Municipal well
NW	16	10	14		1937	Dr	2		770						P		Milk River ss	Foremost, Pakowki; 55°F (GSC-I)
NE	17	10	14		1916	D	36					<1			D, S	H	Glacial sd & cl	51°F (GSC-I)
NE	18	10	14			B	36	2600	28	26							Glacial dr	48°F (GSC-I)
SW	18	10	14			D	48s		10	+5?	10	G			D	S	Sd	
SW	18	10	14		1919	Dr	2	2625	700	+3		G			S	S, So	Milk River ss	Strong flow (GSC-I)
NE	22	10	14		1915	D	24		75	65		P			D, S	So	Foremost	0-40 gumbo, 40-75 sd; 52°F (GSC-I)
SE	27	10	14			D		2600	80	D								0-80 gumbo (GSC-I)
SW	28	10	14		1905	B	24	2600	96			P			N		Foremost	96 ss; salty taste (GSC-I)
SW	36	10	14		1914	D	48		70	50		G			D, S	S, So	Foremost	0-50 boulder cl, 50-67 black cl, 67-70 coal (GSC-I)
SE	2	10	15			D		2690	45	38	40	G			D, S	H, A	Glacial sd	0-32 cl & stone (GSC-I)
SE	3	10	15		1910	D	48s	2650	40	38		P			S	H, A	Glacial dr	0-38 dark cl with stones, 38-40 cl with coal; 42°F (GSC-I)
SW	3	10	15		1918	D	36s	2650	63	23	63	P			S	H, A	Pale Beds ss	(GSC-I)
SW	4	10	15		1910	D	48s	2660	60	55	60	G			S	H, A	Glacial sd	0-4 sandy loam, 4-19 hard yellow cl, 19-60 blue cl; 42°F (GSC-I)
NE	7	10	15			D	48s	2640	16	11		G			D, S	H	Glacial sd	0-16 sd; 42°F (GSC-I)
SW	9	10	15		1910										S	S, So, Su	Pale Beds	44°F (GSC-I)
SW	12	10	15			D	48s	2675	55	46		G			D, S	H	Glacial gr	0-15 boulder cl, 15-32 sd, 32-33 gr, 33-37 cl, 37-55 gr; 42°F (GSC-I)
NW	12	10	15		1929	D	48s	2670	35	21	35	G			D, S	H, A, I	Pale Beds ss	0-35 boulder cl (GSC-I)
SW	13	10	15		1911	D	48s	2670	34	27	29	G			D, S	H, A, I	Glacial sd	Pale Beds, bottomed in cl (GSC-I)
NE	18	10	15		1913	D	48		19	12					D, S		Glacial sd (quicksand)	49°F (GSC-I)
NW	1	10	16			D	48s	2657	18	6					D, S	H	Glacial sd	0-1.5 soil, 1.5-17 cl (GSC-I)
	1	10	16	Midland	1950	Dr	3,2c		813	F		G			D, S	S	Lower Milk River	Cased 819 ft.? (GSC-I)
1	4	10	16		1943	Dr			740	F		25					Milk River	Two flowing wells 100 yds. apart (GSC-I)
SE	6	10	16			Dr		2660	670	F						I		0-29 medium sd, 29-53 blue till, 53-66 ss, 66-135 soft sandy sh
	6	10	16	M.R. Hall	1963	Dr	6 1/4		135		60-66	.5	60 -13	120 60				
NW	7	10	16		1935	D	36s	2742	12	6		G			D	S	Recent alluvium	(GSC-I)
NW	7	10	16		1930	D	48s	2618	15	12		G			D, S	H	Glacial sd	(GSC-I)
NE	9	10	16		1934	D	48s	2632	8	7		G			D, S	H	Glacial sd	(GSC-I)
SE	12	10	16		1922	D	48s	2637	16	3		G			D, S	H	Glacial sd	0-1 soil, 1-16 sd (GSC-I)
NW	12	10	16		1927	D	48s	2616	18	14		G			S	H	Glacial sd	14 sd (GSC-I)
SW	13	10	16		1929	D	48s	2618	22	18		G			S	H, A	Glacial sd	18 sd (GSC-I)
SW	15	10	16			D	12c	2560	12	6					O			Recorder installed Sept. 28, 1961.
NW	16	10	16		1916	D	48s	2620	10	5					S	H, A	Glacial sd	(GSC-I)
SW	16	10	16		1911	D	48s	2645	12	9					D, S	H, A	Glacial sd	(GSC-I)
SE	16	10	16		1925	D	48s	2649	20	18		G			D, S	H	Glacial sd	18 sd (GSC-I)
SE	18	10	16			D	48s	2639	21	18		G			D, S	H, A	Glacial sd	Also has a spring in coulee (GSC-I)
SW	20	10	16		1916	D	48s	2621	17	15					D, S	H, A	Glacial sd	(GSC-I)

Water-Well Records, West of the Fourth Meridian (Cont'd.)

Location West of 4th Mer. Lsd or 1/4	Sec.	Tp.	R.	Driller	Year drilled	Type of well	Hole diam. (in.)	Surface elev. (ft.)	Well depth (ft.)	Water depth (ft.)	Aquifer depth (ft.)	Test results Yield or test rate (gpm)	Drawdown or recovery (ft.)	Time (min.)	Use	Quality	Aquifer	Lithologic log, chemical analysis, and remarks
SW	21	10	16		1912	D	48s	2644	16	14		G			D, S	H	Glacial sd	(GSC-I)
NW	22	10	16		1919	D	48s	2629	15	12					D, S	H	Glacial sd	(GSC-I)
SE	30	10	16			S		2602				G			S	H, A	Glacial gr	(GSC-I)
SE	31	10	16		1931	D	36s	2569	22	18					D, S	H, A	Glacial sd	(GSC-I)
NW	32	10	16		1928	D	48s	2592	8	4		G			D, S	H, A	Glacial sd	(GSC-I)
NE	32	10	16		1904	D	48s	2599	10	6		G			D, S	H, A	Glacial sd	(GSC-I)
NE	34	10	16			D	48s	2658	24	21		G			D, S	H	Glacial sd	Well caved in now (GSC-I)
SW	36	10	16			D	48s	2612	33	30		P			D, S	S	Glacial sd	Also has another well (GSC-I)
NW	3	10	17		1930	D	48s	2632	12	10					D, S	H	Glacial gr	(GSC-I)
NW	6	10	17		1920	Dr	6c	2702	2200	F		10			S	S	Milk River	800 Milk River ss; salty taste (GSC-I)
NW	10	10	17			D		2590				G				S	Glacial gr	53°F (GSC-I)
SW	16	10	17		1916	D	48s	2624	20	16		G			D, S	H	Glacial gr	(GSC-I)
NW	16	10	17		1916	D	48s	2631	27	22		P			D, S	H	Glacial gr	(GSC-I)
NE	16	10	17		1927	D	48s	2650	30	21					D, S	S	Glacial sd	(GSC-I)
SW	23	10	17			D	108s	2660	8	4					S	S	Glacial sd	(GSC-I)
NW	5	10	18		1917	Dr	6c	2768	322	156					D, S	S	Belly River	Some gas present (GSC-I)
NW	9	10	18		1936	D	48s	2941	32	27		G			D, S	H, I	Glacial sd	(GSC-I)
SE	15	10	18		1935	D	48x30c	2737	25	17		1.6			D, S	S	Glacial sd	
SE	1	10	19		1927	D	36s	2769	14	8					D, S	H, A	Glacial gr	(GSC-I)
NE	3	10	19		1909	Dr		2809	216	100		G			D, S	S	Belly River	(GSC-I)
SE	5	10	19		1915	Dr	6c	2796	187	177		<1			D, S	S	Belly River	44°F (GSC-I)
SE	8	10	19	United States Bureau of Reclamation		Dr		2795	190									0.0-1.6 silty cl loam, dark grey brown (moist) 10 YR 3/2, firm (moist), 1.6-3.0 silty cl, grey brown (moist), 2.5 Y 5/2, very firm (moist), calcareous, sticky (wet), 3.0-7.6 silty cl, grey brown (moist), 2.5 Y 5/2, very firm (moist), slight mottling with 2.5 Y 3/1 very dark grey (moist), faint iron stains, 7.6-9.0 silt loam, grey brown (moist), 2.5 Y 5/2, friable (moist), slightly mottled and iron stained, 9.0-9.6 silty cl, grey brown (moist), 2.5 Y 5/2, very firm (moist), slight mottling with 2.5 Y 3/1, very dark grey (moist), faint iron stains, 9.6-11.4 silt loam, grey brown (moist), 2.5 Y 5/2, very friable (moist), faint iron stains, thin weak platy appearance, 11.4-13.7 silty cl, grey brown (moist), 2.5 Y 5/2, very firm (moist), slight mottling with 2.5 Y 3/1 very dark grey (moist), faint iron stains, 13.7-14.2 silt loam, grey brown (moist), 2.5 Y 5/2, very friable (moist) faint iron stains, thin weak platy appearance, 14.2-14.8 silty cl, very dark grey brown (moist), 2.5 Y 3/2, grey brown mottled with 2.5 Y 5/2, very firm (moist), 14.8-15.2 silt loam, grey brown (moist), 2.5 Y 5/2, very friable (moist), faint iron stains, thin weak platy appearance, 15.2-16.1 silty cl, very dark grey brown (moist), 2.5 Y 3/2, grey brown mottled with 2.5 Y 5/2, very firm (moist), 16.1-19.0 silt loam, grey brown (moist), 2.5 Y 5/2, very friable (moist), faint iron staining, 19.0-20.0 silty cl, very dark grey brown (moist), 2.5 Y 3/2, grey brown mottled with 2.5 Y 5/2, very firm (moist), 20.0-30.0 silt loam, grey brown (moist), very friable (moist), weakly laminar, slight mottling, 2.5 Y 5/2, 30.0-41.4 silty cl, dark grey brown (moist), 2.5 Y 4/3, very firm (moist), mottled, iron stains, 41.4-42.0 cl loam, grey brown (moist), 2.5 Y 5/2, friable (moist), very heavy iron staining, 42.0-55.0 silty cl, grey brown (moist), 2.5 Y 5/2, mottled using 2.5 Y 3/2 very dark grey brown (moist), calcareous, very firm (moist), a few gypsum crystals, 55.0-60.8 cl loam till, dark grey brown (moist), 2.5 Y 4/2, iron staining, calcareous, coal, gypsum crystals & fine gr scattered throughout core, 60.8-70.0 cl loam till, dark grey (moist), 5.0 Y 4/1, iron stained mottling, calcareous, fine gr up to 1/2 in. diameter scattered throughout profile, 70.0-80.0 light cl till, very dark grey (moist), 10 YR 3/1, firm (moist), lime concretions, fine gr and coal scattered throughout profile with iron stains, 80.0-186.0 core missing, 186.0-187.8 shaly cl, grey (moist), 2.5 Y 5/1, very firm (moist), 187.8-190.0 fine sandy loam, grey (moist), 2.5 Y 6/1, loose (moist)
NW	8	10	19		1910	Dr	6c	2810	296	276		<1?			D	S	Belly River	Iodine present (GSC-I)
SW	8	10	19		1910	Dr	6c	2815	245	186		<1			D, S	S	Belly River	(GSC-I)
NW	9	10	19		1914	Dr	6c	2807	160			<1			D	S	Belly River	(GSC-I)
SE	11	10	19		1911	Dr	6c	2808	220	205		6.25			D, S	S, So	Belly River	(GSC-I)
SE	12	10	19		1908	Dr	6c	2792	230	215					S	S, So	Belly River	(GSC-I)
SE	14	10	19		1910	Dr	6c	2807	200	120					D, S	S, So	Belly River	(GSC-I)
NE	16	10	19		1914	Dr	6c	2817	230	200		P			D, S	S	Belly River	(GSC-I)
NE	17	10	19		1914	Dr	6c	2829	160	100		G			D, S	S	Belly River	(GSC-I)

NW	18	10	19		1910	Dr	6c	2839	240	220		<1		D, S	S	Belly River	(GSC-I)
SE	26	10	19		1908	D	48s	2822	16	15				S	H	Glacial sd	43°F (GSC-I)
4	32	10	19	W. Maughan	1964	Dr			185	80	126	.75					0-5 cl, 5-18 gr & cl, 18-116 sh, 116-158 ss, 158-185 sh
4	32	10	19	W. Maughan	1964	Dr	6		45	35	35-45	15	120	D	H		0-4 cl, 4-11 gr & cl, 11-18 sd, 18-35 gr & cl, 35-45 clean gr
NE	28	10	20		1906	D	48s	2800	15	10		G		D, S	H	Glacial quicksand	(GSC-I)
SE	31	10	20		1907	D	36c	2875	18	14		G			S	Glacial	(GSC-I)
NW	31	10	20		1912	Dr	6c	2882	210	60		G		S	H	Glacial cl	Bitter tasting (GSC-I)
NE	32	10	20			D	36c	2870	20	10		G		D, S	H	Glacial quicksand	(GSC-I)
SW	32	10	20		1908	D	48s	2860	12	6		G		D, S	S	Glacial quicksand	(GSC-I)
NW	33	10	20		1906	D	48s	2866	20	8		G		D, S	S	Glacial quicksand	(GSC-I)
NE	33	10	20		1911	D	36s	2848	12	9				D, S	H, A	Glacial gr	(GSC-I)
NW	34	10	20		1910	D	36s	2843	12	9				D, S	H, A	Glacial quicksand	(GSC-I)
NE	35	10	20			S		2785									45°F (GSC-I)
SE	36	10	20		1935	D	42s	2628	33	28		G		D	S	Recent alluvium	
NW	11	10	21		1931	D			30	D							(GSC-I)
SW	23	10	21			D		2865	60								(GSC-I)
NE	35	10	21		1917	Dr	6c	2921	255	100		G		S	S, So	Belly River	(GSC-I)
NW	36	10	21		1917	Dr	6c	2905	235	100				S	S, So	Belly River	(GSC-I)
SE	4	10	22		1911	D	48s	3060	17	8		G		D, S	H	Glacial cl	42°F (GSC-I)
NE	4	10	22		1930	D	48s	3060	12	7		G		D, S	H	Glacial quicksand	41°F (GSC-I)
NW	5	10	22		1929	D	48s	3070	9	6				D, S	H	Glacial quicksand	(GSC-I)
SE	6	10	22		1916	Dr	6c	3050	340	140		<1		D, S	S	St. Mary's	(GSC-I)
NE	7	10	22		1928	D	48s	3080	12	8				D, S	H, A	Glacial quicksand	(GSC-I0
SW	8	10	22			D	72c	3031	30	22		G		D, S	H	Glacial cl	(GSC-I)
SE	16	10	22		1904	D	48s	3082	18	10				D, S	H	Recent alluvium	(GSC-I)
SW	18	10	22		1921	D	48s	3098	20	11		<1		D, S	S	Glacial sd	(GSC-I)
NE	20	10	22		1916	Dr	6c	3121	390	290		<1		D, S	S	St. Mary's	(GSC-I)
SW	30	10	22			Dr	6c	3107	110	70		G		N		Glacial cl	(GSC-I)
NW	30	10	22		1904	D	42c	3182	80	25				S	H, A	St. Mary's	(GSC-I)
NW	31	10	22		1921	D	48c	3315	24	12		G		D, S	H	Glacial gr	(GSC-I)
NE	31	10	22		1934	D		3219	42	12		G		D, S	H, I	Glacial gr	(GSC-I)
NW	32	10	22		1910	D	48c	3192	40	20		G		D, S	H	Glacial cl	(GSC-I)
NE	32	10	22		1914	Dr	6c	3182	130	85		<1		D, S	S	St. Mary's	(GSC-I)
NW	33	10	22		1943	B	36c	3179	63	7		G		D, S	H	Glacial sd	(GSC-I)
SE	12	10	23		1926	D	48x72c	3086	24	10		G		D, S	H	Glacial quicksand	Quicksand at 18 ft. (GSC-I)
SE	13	10	23		1926	D	48s	3100	30	20		G		D, S	H, A	Glacial sd	Water is laxative (GSC-I)
NW	35	10	23			Dr	6c	3237	100	40		G		S	S, So	St. Mary's	(GSC-I)
SW	36	10	23		1907	D	42c	3202	14	12		P		D, S	H	Glacial cl	(GSC-I)

Water-Well Records, West of the Fourth Meridian (Cont'd.)

Location West of 4th Mer. Lsd or 1/4	Sec.	Tp.	R.	Driller	Year drilled	Type of well	Hole diam. (in.)	Surface elev. (ft.)	Well depth (ft.)	Water depth (ft.)	Aquifer depth (ft.)	Yield or test rate (gpm)	Test results Drawdown or recovery (ft.)	Time (min.)	Use	Quality	Aquifer	Lithologic log, chemical analysis, and remarks
SE	36	10	23		1907	D	36c	3184	30	15		G			S	H, A		(GSC-I)
SE	1	10	24	G. Goddard					100	D								0-10 gr, 10-100 blue sh
12	7	10	24	W. Maughan	1964	Dr	6		185	65	155	1.5			D			0-72 cl, 72-148 sh, 148-157 ss, 157-185 sh
1	13	10	24	W. Maughan	1964	Dr	6		150									0-26 cl, 26-48 sd & wet gr, 48-54 cl, 54-150 sh
SW	20	10	24			S												60°F (GSC-I)
NW	20	10	26	Northern					256	20		20						
	31	10	26		1912	Dr	5c		80	12	80	P			D	S	Sd	
	27	10	27		1909	Dr	6c		100	80		G			S	S		
15	32	10	27			Dr		3251	70	F	70							0-45 sd, 45-70 hard sh

Water-Well Records, West of the Fifth Meridian

12	29	5	1	Big Indian	1963	Dr	5 5/8		218	33.55	35-103 218	4	76.45 -76.45	1440 120	D			0-28 cl, gr, & boulders, 28-30 soft grey ss, 30-37 grey & brown ss ledges, 37-43 brown ss with blue ss ledges, 43-53 ss, 53-58 blue ss, 58-82 ss, 82-95 ss with sh ledges, 95-102 ss, 102-167 sh with ss ledges, 167-174 coal seam, 174-218 sh with ss ledges, bottomed in ss; well is located 400 ft. north of lake shore.
7	29	5	1	Big Indian	1963	Dr	5 5/8		125			2		60	N			0-20 gr, cl & boulders, 20-45 gr & cl, 45-50 fine gr, 50-73 grey ss, 73-75 dark sh, 75-82 grey ss, 82-86 grey ss with sh ledges, 86-90 grey ss, 90-97 shattered ss, 97-112 grey ss, 112-125 ss with sh ledges, bottomed in ss; due to insufficient supply, well was cemented and abandoned.
7	29	5	1	Big Indian	1963	Dr	5 5/8		115	+6	108-115	7	0	60	N	S	Ss	0-20 cl, gr, & boulders, 20-23 shattered ss, 23-52 grey ss, 52-73 shattered ss, 73-94 white and grey ledges of soft ss, 94-108 sh with ss ledges, 108-112 soft ss, 112-115 hard ss; hardness 34, sulfates 20, alkalinity 360; well was unuseable due to sulfur odor and was cemented for total depth and abandoned.

8	29	5	1	Big Indian	1963	Dr	5 5/8		143	+1		3	78	600	D	S		0-16 cl, gr & boulders, 16-19 grey ss, 19-21 sh, 21-33 grey ss, 33-35 ss & sh ledges, 35-39 grey ss, 39-42 grey ss with sh ledges, 42-47 grey ss, 77-85 ss & sh ledges, 85-87 sh, 87-98 ss & sh ledges, 98-108 grey ss, 108-112 ss & sh ledges, 112-123 sh & ss ledges, 123-133 sh, 133-136 sh & ss ledges, 136-143 sh
NW	16	5	3	Coralta	1964	Dr	12,9, 6 1/4		312	58	148-312	1	254	240	D			0-10 sandy cl, gr, 10-15 ss, 15-50 sh, 50-75 hard rock, 75-80 sh, 80-90 bentonite, 90-148 sh, 148-220 ss, 220-230 ss & sh ledges, 230-312 sandy sh & ss ledges
8	26	5	3			Dr		4630	60?	F								0-14 shattered rock, 14-60 vulcanite; flowing shot hole
6	17	6	2	W. Kinsella	1958	Dr	4 3/4		206	12	50-60 160-198	10	175 -175	60 40	I			0-43 cl & boulders, 43-61 sh, 61-145 black sh, 145-206 black sh
NE	4	7	1			D			15						D,S	S		
SE	5	7	1			D			12						D,S	S		
SW	5	7	1			D			19						D,S			Two wells at this location, both are 19 ft. deep.
SE	8	7	1			D			12						D,S	S		
SW	10	7	1			D			8						D,S	S		
NE	17	7	1		1915	Dr	5 5/8		300	200		< 1	50		D,S	H		175 rock, 200-300 layers of ss; several layers of ss 2 or 3 ft. thick
	21	7	1	Glacier	1964	Dr	8		72	12	32-44	10	24 -22	45 15	S		Ss	0-32 brown cl, rocks, 32-44 fractured loose ss, 44-53 sticky blue cl, 53-56 ss stringers, 56-72 sticky blue cl
SW	27	7	1			D			10						D,S	S		
NW	27	7	1			Dr			45						D,S	S		
SE	28	7	1		1917	Dr	5 5/8c		150	80	140	< 1	50		D,S	H	Ss	60 rock, 140-150 ss; 3 layers of ss
SE	28	7	1			Dr			250						D,S	H		
SE	35	7	1			Dr			35						D,S	S		
NE	35	7	1		1916	Dr	5 5/8c		70	30	60	< 1	25		D,S	H	Ss	40 rock, 60-70 ss, layers of ss from 40 ft. down
SW	35	7	1			Dr			72						D,S			
NW	2	8	2		1917	Dr	5 5/8c		400	10	400				N			90 rock, 400 ss, layers of soapstone with coal seams and ss at bottom; this well is full of colored, mineralized water.
SW	22	9	2	W. Maughan	1962	Dr	7		123	F								0-18 yellow cl, 18-117 blue cl, boulders at 117, 117-123 sd & gr
NW	1	10	2	A.L. Dial	1962	Dr	6,5		65	26	33-35, 44-46, 60-65	1	39		I	S		0-7 hard sh, 7-12 hard rock, 12-15 hard sh, 15-20 hard rock, 20-30 hard sh, 30-36 hard rock, 36-50 hard sh & ss, 50-58 hard sh, 58-65 hard rock; well was back-filled to plug off the sulfur water at the bottom, that produced 1.5 gpm
NW	10	10	2	J. deForas	1960	Dr	6		34	12	28-43?	7	36	120	D	S		15 br, bottomed in sh