

SUPERSEDED

Tabulations
of
Well Records and Logs
and
Chemical Analyses of Ground Waters
in the vicinity of
ANCHORAGE, ALASKA

by
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Records and logs of wells and chemical analyses of water
samples from wells in the Anchorage area, Alaska

The following pages contain data on representative wells in the Anchorage area collected by the U. S. Geological Survey. The list does not include all the wells on which records have been collected; however, the wells that are listed are representative of the entire area on which information is available.

The numbers assigned the wells are temporary numbers and apply only to this tabulation. The wells are listed in order of their geographical location beginning with Ship Creek and proceeding to the East G Street section, thence to Rogers Park and westward to Spenard. From Spenard the listing progresses southward to Woodland Park, the International Airport area and the Sand Lake-Jewel Lake sections. The tabulation then covers wells on and adjacent to Potter Road, beginning at Fireweed Lane and proceeding southward to Rabbit Creek. The next sequence begins at Mountain View and covers the area southward down Lake Otis Road to Green Acres and from thence northward, covering wells on Tudor, Baxter, Boniface, Muldoon and Oilwell Roads. Several wells in the Ft. Richardson area are listed near the end. The last few wells are late listings which are out of place with reference to the sequence given above.

Logs of wells follow the tabulation of well records. Logs are not available for all the wells listed in the Table of Well Records and a few that are available have not been included.

Analyses of samples of water from wells are given in the Table of Chemical Analyses. These were collected with the intent of providing a general coverage of the area as a whole.

Table 2.--Logs of wells in the Anchorage area, Alaska

Well 1, Ship Creek; A. J. Hopper Company

Altitude, 60 feet

	Thickness (feet)	Depth (feet)
Silty gravel	5	5
Sandy gravel	12	17
Soft blue clay, very fast drilling	188	205
Sandy pebble to cobble gravel; water	5	210

Well 2, Ship Creek; Denali Construction Co.

Altitude, 61 feet

Gravel	12	12
Blue clay	155	167
Pebble gravel; water		

Well 6, 13 St. near East C; Dan Aylward

Altitude, 110 feet

Record missing	25	25
Sandy gravel	15	40
Blue clay	80	120
Clay and pebble gravel (till?)	10	130
Gravel; water	5	135

Well 7, 15 St. and East L; Judd Fowler

Altitude, 112 feet

Sand and small gravel	8	8
Blue clay	18	26
Blue clay and gravel (till?)	25	51
Dry gravel	7	58
Sand; some water	2	60
Gravel and clay (till?)	27	87
Sand	2	89
Gravel; water	2	91

Table 2.--Logs of wells in the Anchorage area, Alaska--Cont.

Well 11, Chester Creek, near East C St.; Jack Marak

Altitude, 65 feet

	Thickness (feet)	Depth (feet)
Gravel	10	10
Hardpan	6	16
Blue clay	29	45
Gravel; water	15	60

Well 12, Chester Creek and East E St.; Anchorage Oxygen Corp.

Altitude, 64 feet

Blue clay	103	103
Loose silty sand, some pebbles	12	115
Stony clay (till?)	4	119
Sandy pebble gravel with cobbles; water. Flows 3 g.p.m. at 3 feet above sur- face	9	128
Quicksand	5	133
Cement gravel	1	134
Clean gravel; water. Flows.	1	135

Well 13, South of Chester Creek, off East C St.; Ben Boeke

Altitude, 77 feet

Clay	6	6
Till	11	17
Clay	82	99
Gravel ^{1/}		

^{1/} Driller reports that when this stratum was first encountered, the water pressure "threw the tools out of the hole" and water spouted to a height of 24 feet.

Well 17, Chester Creek and Spenard Rd.; Muellers Kennels

Altitude, 18 feet

Top soil and gravel	2	2
Sand	10	12
Gray clay and gravel	7	19
Till	47	66
Gravel; water	1	67

Table 2.--Logs of wells in the Anchorage area, Alaska--Cont.

Well 18, Chester Creek, off Spenard Rd.; Victor Miller

Altitude, 19 feet

	Thickness (feet)	Depth (feet)
Gravel	3	3
Heaving sand	32	35
Till; thin sand layer with small amount of water at 68 feet	47	82
Clay	3	85
Sandy pebble, gravel	2	87

Well 20, Rogers Park; M. W. Clark

Altitude, 122 feet

Topsoil	2	2
Till (?)	56	58
Gray clay	10	68
Till	11	79
Gravelly silt	1	80
Till	16	96
Sandy gravel, water	5	101
Till	10	111
Quicksand	12	123
Gray clay	2	125
Gravel, sand, silt, some water	9	134
Till	29	163
Coarse gravel; water	1	164

Well 26, C St. and Fireweed Lane; Nat Smith

Altitude, 104 feet

Sand and gravel	18	18
Brown sticky clay	2	20
Gravel	50	70
Brown clay	$\frac{1}{2}$	$70\frac{1}{2}$

Well 28, Fireweed Lane; Spenard Public School

Altitude, 100 feet

Sand	42	42
Fine gravel (trace of water)	2	44
Blue clay and gravel	1	45
Gravel and sand	2	47
Coarse gravel, clay, and sand (till?)	5	52
Sand and medium gravel	13	65
Gravel; water	7	72
Clay		

Table 2.--Logs of wells in the Anchorage area, Alaska--Cont.

Well 29, Fireweed Lane; Federal Bureau of Investigation
Altitude, 100 feet

	Thickness (feet)	Depth (feet)
Sand	12	12
Gravel	6	18
Clean coarse gravel	22	40
Sand	5	45
Clean coarse gravel	16	61
Sand and gravel; water	11	72

Well 30, H St. and Fireweed Lane; James Morrison
Altitude, 99 feet

Sand and pebble gravel	20	20
Blue clay	19	39
Gravel and sand	19	58
Brown-yellow clay (some coal)	4	62
Gravel	10	72
Cobble gravel; water	8	80

Well 33, Fireweed Lane, near Spenard Rd., B. Irvin
Altitude, 99 feet

Sand and gravel	22	22
Blue clay and gravel (till?)	12	34
Loose gravel	8	42
Sand and gravel	7	49
Gravel and clay (till?)	15	64
Sand and gravel	5	69

Well 34, Spenard Rd., Romig Park Subdivision
Altitude, 102 feet

Sand and fine gravel	19	19
Blue clay	42	61
Black sand and gravel	11	72
Coal	3	75
Sand and fine gravel	4	79

Table 2.--Logs of wells in the Anchorage area, Alaska--Cont.

Well 39, west end of Verde Lane, Lee Hancock

Altitude, 96 feet

	Thickness (feet)	Depth (feet)
Sand	11	11
Sand and gravel	6	17
Blue clay	36	53
Heaving gray sand	26	79
Sandy clay	19	98
Till	50	148
Gravel and sand; water	4	152

Well 40, Spenard Rd., near Casa Lane; Spenard Hardware

Altitude, 99 feet

Soil	2	2
Sand and gravel	17	19
Gray clay	20	39
Hard clay and gravel (till?)	15	54
Heaving water; sand	16	70
Till	1	71
Sand and small gravel, water	1	72

Well 46, Spenard Rd., near KFQD Rd.; Piggly Wiggly

Altitude, 100 feet

Sand	35	35
Blue clay and gravel	8	43
Quicksand	12	55
Blue clay	4	59
Quicksand	10	69
Blue clay	8	77
Gravelly sand; some water	2	79
Record missing	9	88
Coarse sand and gravel	2	90
Till	30	120
Gravel, some water	1	121
Till	6	127
Gravel; water	1	128

Table 2.--Logs of wells in the Anchorage area, Alaska--Cont.

Well 47, Lois Drive, off KFQD Rd.; E. Doty

Altitude, 95 feet

	Thickness (feet)	Depth (feet)
Sand	18	18
Gray clay	36	54
Dry sand	14	68
Clay and gravel (till?)	30	98
Quicksand	21	119
Gravel and clay (till?)	33	152
Gravel and little clay; water	2	154

Well 48, KFQD Rd., near ABR; Le Horda Trailer Court

Altitude, 55 feet

Fine brown sand	15	15
Silt	20	35
Sandy clay	40	75
Sandy clay with hard streaks	40	115
Till	26	141
Black sand	1	142
Till	9	151
Gravel with pebbles up to 1-inch diameter; water		

Well 50, Turnagain Heights; R. Atwood

Altitude, 74 feet

Sand	8	8
Sand and gravel	15	23
Coal	1	24
Blue clay	117	141
Sand and gravel	6	147
Blue clay	3	150

Well 52, Simonson Subdivision

Altitude, 74 feet

Gummy clay	91	91
Sandy gravel	$91\frac{1}{2}$	$91\frac{1}{2}$
Gummy clay	$18\frac{1}{2}$	110
Soft clayey silt	58	168
Fine to medium gray sand; water	23	191
Coarse sand and gravel becoming cobble gravel at base; water	20	211

Table 2.--Logs of wells in the Anchorage area, Alaska--Cont.

Well 67, Adler St., Woodland Park; R. M. Hays

Altitude, 86 feet

	Thickness (feet)	Depth (feet)
Sand, slight clay	120	120
Clay	4	124
Black pea gravel; some water	2	126
Till	22	148
Coarse gravel, grading down to small gravel	4	152

Well 69, Spenard and McRae Rds.; Trailer Roost

Altitude, 89 feet

Top soil and clay	4	4
Gravel and clay	12	16
Brown sandy clay	16	32
Gray sand, some water	25	57
Gray clay	24	81
Gray silt	13	94
Gray clay	7	101
Small gravel, dry	2	103
Till	31	134
Gray silt	4	138
Till	12	150
Sand and gravel	2	152

Table 2.--Logs of wells in the Anchorage area, Alaska--Cont.

Well 73, McRae Rd., west of Fish Creek;

Tope Construction Co.

Altitude, 59 feet

	Thickness (feet)	Depth (feet)
Brown sand	15	15
Soft blue clay, no stones, with thin layer of sand at base	45	60
Soft blue clay with stones	34	94
Heaving fine gray sand	45	139
Coal	1	140
Sand	8	148
Sand and gravel; water	17	165
Blue silty clay	23	188
Floating fine sand	5	193
Coal and sand	6	199
Fine gray sand	25	224
Blue clay	4	228
Fine sand	7	235
Clay	1	236
Pebbly sand; water	2	237

Well 78, Spenard Rd., west of Fish Creek; Grizzly Trailer Court

Altitude, 64 feet

Top soil	2	2
Gray sand	16	18
Gray clay	14	32
Gray gravel	9	41
Gray clay	4	45
Heaving sand; water	6	51
Hard sandy clay	4	55
Heaving sand; water	24	79
Gray clay	2	81
Gravel and sand; water	2	83

Table 2.--Logs of wells in the Anchorage area, Alaska--Cont.

Well 80, at road forks east of Lake Spenard; Lake Motel

Altitude, 72 feet

	Thickness (feet)	Depth (feet)
Yellow sand	3	3
Soft gray silty clay	120	123
Tough gray clay	7	130
Gray silt	142	272
Gray clay	4	276
Dark gravel, ranging in size from small grains up to pebbles 2 inches in diameter. About 75% of gravel is larger than $\frac{1}{2}$ -inch diameter. Water	2	278

Well 81, near east shore of Lake Spenard; W. W. Fultz

Altitude, 67 feet

Sand	35	35
Gray clay	17	52
Hardpan	13	65
Coarse gravel with pebbles up to 2 inches in diameter; Water	2	67

Well 83, Southeast shore of Lake Hood; 10th Base

Altitude 72 feet

Sand	24	24
Glacial silt	23	47
Quicksand	11	58
Glacial silt	93	151
Gravel, Coarse sand; water	11	162

Well 82, south end of airfield; International Airport

Altitude, 110 feet

Sand	60	60
Hardpan	10	70
Sand	22	92
Quicksand	45	137
Coal	2	139
Gravel; water	16	155

Table 2.--Logs of wells in the Anchorage area, Alaska--Cont.

Well 85, Alaska Airlines hanger; International Airport

Altitude, 81 feet

	Thickness (feet)	Depth (feet)
Sand	50	50
Clay	21	71
Gravel	2	73
Blue clayey silt	28	101
Quicksand	7	108
Coal	1	109
Quicksand	17	126
Gravel - water strata	4	130
Sand	18	148
Coarse sand - water strata	2	150
Gravel	8	158

Well 86, Terminal Building; International Airport

Altitude, 88 feet

Silt	10	10
Blue clay	10	20
Sandy silt	10	30
Coarse sand	10	40
Blue clay	20	60
Blue clay and silt	60	120
Fine sand	20	140
Blue clay	60	200
Sand and some gravel	5	205
Fine sand; water	85	290
Medium coarse sand; water-bearing	18	308

Well 88, International Airport and Sand Lake Roads;
International Trailer Park

Altitude, 76 feet

	Thickness (feet)	Depth (feet)
Sand and gravel	58	58
Blue-gray clay and silt, with occasional stones	155	213
Hard layer	1	214
Gravel; water	2	216

Well 90, Sand Lake Rd., east of De Long Lake; Doyle Clover

Altitude, 100 feet

Sandy clay	12	12
Brown water sand	22	34
Glacial silt	37	71
Till	12	83
Sandy clay	6	89
Gray silt	34	123
Gray clay	5	128
Gray quicksand	28	156
Gray clay	8	164
Gray silt	2	166
Gray quicksand	9	175
Fine gravel, dry	8	183
Till	60	243
Dry sand	4	247
Gray clay	30	277
Till	12	289
Quicksand	5	294
Till	22	316
Sand and gravel; water	1	317

Well 91, Sand Lake and Raspberry Roads; Lloyd Onstett

Altitude, 138 feet

Soil	2	2
Hardpan	6	8
Gravel	1	9
Fine sand (some hardpan)	20	29
Hardpan	1	30
Gravel	1	31
Quicksand	17	48
Gravel	2	50

Table 2.--Logs of wells in the Anchorage area, Alaska--Cont.

Well 93, northeast shore of Sand Lake; Ellis Crawford

Altitude, 106 feet

	Thickness (feet)	Depth (feet)
Sandy brown clay	32	0
Blue clay	24	32
Gravel and clay (till?)	3	56
Blue clay	11	67
Sand and silt	48	78
Green sand	11	129
Gray clay	7	140
Running silt and sand	61	147
Hard clay and gravel (till?)	92	239
Sand	7	246
Hard clay and gravel (till?)	19	265
Gravel; water	1	266
Sandy gravel; water	2	268

Well 94, Two and three-fourths miles southwest of Lake Spenser,

Barrow Sound (Well 93 extended); Alaska Communications System

Altitude, 140 feet

Yellow clayey sand	30	0
Gravel and clay (till?)	10	30
Yellow clay and gravel (till)	10	40
Semi-consolidated sand with coal granules	11	51
Hard yellow sand	27	62
Yellow sand with coal	12	74
Yellow clay with coal streaks	20	94
Sand with some clay	10	104
Sandy gravel	4	108
Sand with coal	6	114
Sandy gravel; a little water	1	115
Gravel hardpan (till)	1	116
Fine sand	5	121
Sand and gravel; a little water	4	125
Hard packed sandy gravel; a little water	3	128
Sand and gravel	6	134
Gray clay with small gravel (till?)	4	138
Hard packed fine sand	6	144
Gray clay with gravel (till?)	5	149
Green sand; a little water	5	154
Tough clay	2	156
Sand; a little water	4	160
Clay	1	161
Gravel and sand	2	163
Small gravel	2½	165½

Table 2.--Logs of wells in the Anchorage area, Alaska--Cont.
(West Raspberry Road, extended); Alaska Communications System--Cont.

	Thickness (feet)	Depth (feet)
Hard gravel and green sand; a little water	8 $\frac{1}{2}$	200
Sticky till	1 $\frac{1}{2}$	201 $\frac{1}{2}$
Gravelly till; a little water	7 $\frac{1}{2}$	209
Hard clay and gravel with clay (till?)	7	216
Small gravel; yields about 5 g.p.m.	6	222
Coarse gravel with cobbles	11	233
Cemented gravel, "rock-like" (till?)	2	235
Coarse water gravel	5	240

Well 101, North Jewl Lake Road, near west Strawberry Road;

I. Evenson

Altitude, 104 feet

Blue clay	85	85
Medium sand	2	87
Coarse sand	2	89
Very coarse sand	4	93
Gravel; water	3	96

Well 103, Jewl Lake Road, Seaview Heights; K. D. Lancaster

Altitude, 163 feet

Fine silt	4	4
Gravel	45	49
Clay	21	70
Intercalated quicksand, silt, and mud	150	220

Well 107, Potter Road and Fireweed Lane;

Sterling Service Station

Altitude, 107 feet

Gravel and sand	10	10
Sand and pea gravel	22	32
Clay	78	110
Clay and gravel	1	111
Large pea gravel; water	2	113

Map 42,--Log: [unclear] the Anchorage area, Alaska--0 17.

Well 110, [unclear] storage yard; USGS Test 2

Altitude, 94 feet

	Thickness (feet)	Depth (feet)
Gravelly sand	24	0
Hard medium sand	6	24
Fine blue sand	22	30
Gravel	2	52
Hard blue medium sand	3	54
Blue silt	38	57
Blue clay	4	95
Brown silt becoming coarser with depth	6	99
Coarse sand and gravel; water	13	105

Well 111, Potter Road, at Dowlins Road;

High Top Trailer Court

Altitude, 135 feet

Reddish clay	15	0
Blue clay	25	15
Sand, some water at 57 feet	22	40
Blue clay	49	62
Sand and gravel; water	8	111

Well 114, Dowlins Road, seven-tenths mile west of Potter Road;

S. Chapman

Altitude, 126 feet

Blue clay	83	0
Gill	10	83
Gravel		

Well 116, Potter Road, six-tenths mile south of Dowlins Rd.,

Henry Johnson

Altitude, 132 feet

Blue clay	70	0
Gravel	5	70
Till	10	75
Cobble gravel	2	85

Table 2.--Logs of wells in the Anchorage area, Alaska--Cont.

Well 121, O'Malley Road, 2.1 miles east of Potter Road; M. Evans

Altitude, 382 feet

	Thickness (feet)	Depth (feet)
Fill	3	3
Sand and clay	33	36
Yellow clay and gravel (weathered till, probably)	9	45
Till	97	142
Sand and clay; little water	1	143
Hard clay and gravel (till)	11	154
Gravel	19	173
Brown clay	1	174
Gravel; water	1	175

Well 130, Klatt Road, three-tenths mile west of A.R.R.; Mr. Smith

Altitude, 170 feet

Gray dune sand	4	4
Yellow clay	18	22
Till	28	50
Brown sand	4	54

Well 134, off Potter Road, one-half mile
south of Huffman Road; Verne Huffman

Altitude, 214 feet

Glacial till	40	40
Coarse gravel	3	43
Glacial till	28	71
Gravel	23	94
Sand	8	102

Well 140, Thompson and Taylor Streets,
Mountain View; Paul Wesalik

Altitude, 162 feet

Soil	1	1
Clay	5	6
Sand	1	7
Sand and gravel	18	25
Gravel and sand	25	50

Table 2.--Logs of wells in the Anchorage area, Alaska--Cont.

Well 141, Mountain View; Public School

Altitude, 171 feet

	Thickness (feet)	Depth (feet)
Sand and gravel	29	29
Hard sand and gravel	15	44
Coarse gravel; water	21	65
Clayey gravel (till?)	18	83
Blue clay	29	112
Boulders in blue clay (till?); trace of water	4	116
Fine sand	19	135
Clayey gravel (till?)	35	170
Clay	32	202
Black sand	2	204
Clay	6	210
Sandy clay	2	212
Clay	2	214

Note: Casing pulled back and screen set at from 62 to 67 feet.
Compare with wells 183, 145, and 147.

Well 145, one block south of Palmer Highway,

Mountain View; H. Stephens

Altitude, 143 feet

Gravel	28	28
Clay with stones (till?)	62	90
Gravel; water	3	93
Till		

Well 147, Roosevelt Avenue, Mountain View;

Sunset Trailer Camp

Altitude, 110 feet

Coarse gravel	37	37
Yellow clay	10	47
Gravel; yielded 15 g.p.m.	6	53
Sand	2	55
Till	46	101
Sandy clay (till?)	6	107
Clay, pea gravel, coal	3	110
Black gravel	2	112

Table 2.--Logs of wells in the Anchorage area, Alaska--Cont.

Well 148, Seven-tenths mile south of

Mountain View; John Vanover

Altitude, 145 feet

	Thickness (feet)	Depth (feet)
Gravel	30	30
Till	76	106
Gravel; water		

Well 152, opposite north end of Anchor Homes Development

on Otis Lake Road, one-half mile southwest

of Airport Heights, USGS Test no. 7

Altitude, 129 feet

Soil	1	1
Sand and gravel	39	40
Till	39	79
Gray fine to medium sand. Negligible water ^{1/}	12	91
Till	50	141
Medium sand becoming gravelly at base. With lower 4 ft. screened yielded 49 g.p.m. with 13.4 ft. of drawdown. Static level is 23.5 ft. below surface. Maximum yield at this stage of development at 140 ft. pumping level is about 300 g.p.m.	10	151
Till	3	154
Medium coarse sand	3	157
Till	16	173
Fine to medium sand. Screen set at 188-192. Yielded initially 8½ g.p.m. with 20 ft. drawdown. Yield decreased materially, probably indicating clogging by fines	18	191
Clayey silt	8	199
Sand and gravel. Short bailer test indicated a yield of 28 g.p.m. with 34 ft. of drawdown.	3	202
Sand and gravel. At 209 ft. initial bailing indicated 19 a.p.m. with 80 ft. of drawdown but after setting 4 ft. of screen the yield appeared stabilized at 50 g.p.m. with 60 ft. of drawdown.	14	216
Silty sand with some pebbles. Bailing open end at 210 ft. yielded 20 g.p.m. with 60 ft. of drawdown.	7	223
Medium sand with some pebbles	3	226

Table 2.--Logs of wells in the Anchorage area, Alaska--Cont.

Well 152, opposite north end of Anchor Homes Development
on Otis Lake Road, one-half mile southwest
of Airport Heights, USGS Test no. 7--Cont.

	Thickness (feet)	Depth (feet)
Clayey sand	9	235
Till	40	275
Medium to coarse sand with some pebbles	1	276
Clayey sand	8	284
Sand with some pebbles	4	288
Silty sand	29	317
Sand and pebbles. Yielded 50 g.p.m. with 41 ft. of drawdown, pumping from open end of casing at 319 ft.	7	324
Sand	10	334
Till	62	396

1/ cf. wells 153 and 154.

Well 154, opposite Anchor Homes, Otis Lake Road; R. Kessler
Altitude 128 feet

Gravel and boulders	16	16
Brown sandy gravel; water	16	32
Gray water gravel	11	43
Till (sandy streaks at 54-57, 50-61 ft.)	31	74
Pea Gravel; water	3	77

Well 158, Otis Lake Road, Green Acres; Mrs. Marge Hopkins
Altitude, 148 feet

Soil	5	5
Till	59	64
Sandy clay (till?)	10	74
Till	41	115
Gravel, water	1	116
Till	21	137
Clean gravel	3	140

Well 159, off Otis Lake Road, just north
of Tudor Road; Cottonwood Courts
Altitude, 171 feet

Till	46	46
Gravel	1	47
Till	5	52
Sandy ground; water	2	54

Table 2.--Logs of wells in the Anchorage area, Alaska--Cont.

Well 161, Otis Lake Road, south of Tudor Road;

Hufeisen housing project

Altitude, 161 feet

	Thickness (feet)	Depth (feet)
Medium sand	30	30
Very hard black till	97	127
Clay	3	130
Very hard black till	15	145
Dark gravel, poorly sized, ranges from 2-inch pebbles to medium sand. Bailing open end, obtained about 40 g.p.m. with 25 ft. of drawdown	3	148
Clay	1	149
Hard packed gravel	5	154
Till	19	173
Coarse gravel; water	9	182
Green sand	1	183

Well 166, north end of Baxter Road; Harold Moline

Altitude, 219 feet

Till	36	36
Blue clay	10	46
Silt	9	55
Black sand	13	68
Gray sand	7	75
Till	7	82
Pea gravel; water	1	83

Well 168, Tudor and Muldoon Roads; G. Schwartz

Altitude, 323 feet

Till	78	78
Hard pea gravel; water	3	81

Well 170, Dobin Road, west of northern

Muldoon Road; Frank Toomey

Altitude, 315 feet

Till	107	107
Brown silt	10	117
Black silt	48	165
Black pea gravel; water	12	177

Table 2.--Logs of wells in the Anchorage area, Alaska--Cont.
 Well 172, corner of Oilwell Road and Palmer Highway; U. S. Army
 Altitude, 199 feet

	Thickness (feet)	Depth (feet)
Coarse gravel; hard drilling	33	33
Small gravel; at 50 ft. produces about 6 g.p.m. of rusty water	22	55
Hard packed fine clayey sand	1	56
Small gravel; produces about 8 g.p.m.	2	58
Hard packed fine sand	11½	69½
Till	7½	77
Gravel with clay (till?)	4	81
Clayey blue sand; produces about 5 g.p.m.	5	86
Coarse sand; produces about 10 g.p.m.	2	88
Clayey blue sand	16	104
Till	21	125
Coarse sand; produces about 5 g.p.m.	2	127
Till	18	145
"Gravel with clay"; produces about 20 g.p.m.	3	148
Till	3	151
Sandy cobble gravel; water	6	157

A seven-foot length of 40-slot screen was installed after 2 days development, a yield of 60 g.p.m. was reported with 3½ ft. of drawdown in a 72 hr. pumping test.

Table 2.--Logs of _____ in the Anchorage area, Alaska--Cont.

Well 173, _____ Rd. off the Palmer Highway at
Fire Control Station; U. S. Geological Survey Test Well 8

Altitude, 200 feet

	Thickness (feet)	Depth (feet)
Soil	3	3
Gravel	15	18
Bouldery gravel	27	45
Clay	2	47
Gravel	11	58
Till	28	86
Silty medium sand, water	12	98
Soft till	11	109
Sand, water	2	111
Hard till	8	119
Gray clay	4	123
Fine to medium sand, water	16	139
Hard till	14	153
Silty medium to coarse sand	13	166
Harder medium to coarse sand pumped 6 hrs. from open end hole at 70 g.p.m. with 18 ft. of drawdown. <u>Static 8½ ft. below surface</u>	9	175
Coarse sandy gravel. Short bailer test yielded 14 g.p.m. with 50 ft. of drawdown	6	181
Brown till (?)	33	214
Gray till, very hard. Short pumping test yielded 30 g.p.m. with 9 ft. of drawdown. Water comes from sandy streaks in interval between 217 and 247 ft.	38	252
Brown till, very hard	96	348
Sticky gray clay	22	370
Coal layers in clay	5	375
Sticky gray clay	15	390
Hard sandy clay	2	392
Sand	2	394
Gray sandy clay. Bottom of casing at 397 ft.	53	447
Brown shale with coal streaks and organic matter. In an 8 hr. pumping test yielded 42 g.p.m. with 17 ft. of drawdown. <u>Static level is 75 ft. below surface.</u>	63	510
Gray to black shale with some coal streaks; black shale contains much organic matter; sticky when wet. 1 ft. layer of friable fine-grained green sandstone at 555 ft.	92	602
Fairly hard gray fine- to medium-grained sandstone.	7	609
Gray to black shale, as in interval from 510 to 602 ft. Pumping test at 617 feet yielded 42 g.p.m. with 12 ft. of drawdown at end of 6 hours' pumping; static level is 75 ft. below surface.	8	617

Table 2.--Logs of _____ in the Anchorage area, Alaska--Cont.

Well 171, _____ fourths mile northeast of
Alaska Railroad Station; Ft. Richardson

Altitude \pm 140 feet

	Thickness (feet)	Depth (feet)
Gravel	11	11
Sand	12	23
Glacial mud	12	35
Quicksand	22	57
Glacial mud	116	173
Sand; water	6	179

Well 175, _____ and one-fourth miles northwest
of Mountain View; Ft. Richardson

Altitude \pm 200 feet

Sand and salt	70	70
Blue mud	15	85
Sand	42	127
Blue mud	64	191
Gravel and sand (till?)	34	225
Blue sand	76	300
Gravel; water	14	314

Well 177, _____ of runway; Ft. Richardson

Altitude \pm 170 feet

Gravel	30	30
Blue mud	100	130
Gravel (till?)	55	185
Sand	5	190
Blue mud	13	203
Gravel; water	25	228

Well 178, one-half mile west of main gate, Ft. Richardson

Altitude \pm 180 feet

Gravel	46	46
Sand	19	65
Blue clay	18	83
Sand	2	85
Blue mud	75	160
Mud and gravel (till?)	72	232
Gravel; water	8	240

Table 2.--Logs of Wells in Anchorage area, Alaska--Cont.
 Well 179, Nine-tenths mile south of Green Lake; Ft. Richardson
 Altitude, + 220 feet

	Thickness (feet)	Depth (feet)
Sand and gravel	38	38
Blue clay	67	105
Sand and gravel	5	110
Sand and silt	107	217
Blue mud	89	306
Mud	14	320
Gravel and clay (till)	7	327
Sand	1	328
Clay	2	330
Sand and pea gravel: water	3	333

Well 180, One and two-tenths miles south of
 Fish Camp; Ft. Richardson
 Altitude, + 250 feet

Till	12	12
Gravel	12	24
Till	21	45
Gravel	12	57
Till	11	68
Silt	12	80
Sand and gravel	11	91
Gravel and silt: water	25	116

Well 181, Eight-tenths mile north-northeast
 of Fish Camp; Ft. Richardson
 Altitude, + 70 feet

Sand and gravel	100	100
Sand and silt	15	115
Sandy blue clay	35	150
Gravelly sand	7	157
Blue mud	29	186
Mud and gravel (till)	62	248
Blue mud	8	256
Blue mud and gravel	5	261

Note: Well deepened 11 feet in 1952.

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Well 184,

located near Cape Bar

latitude, 66° 22' N

	Thickness (feet)	Depth (feet)
	30	0
	15	15
	48	30
	7	37
	6	43
	13	56
	19	75
	36	111
	9	120
	18	138
	8	146
	33	154
	5	159
	1	160
	21	161
	8	169
	14	183
	7	190
	3	193
	12	205
	2	207
	3	210
	1	211

Well

located near Cape Bar

latitude, 66° 22' N

Gravel	50	0
Till (hardpan)	35	35
Silty gravel	30	65
Till (hardpan)	60	125
Pebble and cobble gravel water	1	126

Table 3. Analyses of ground water from wells in the Anchorage area, Alaska--Continued
(parts per million)

No.	50	52	56	57	68	69	75	76	80	81
Owner	Simonson Spendar		Woodland Trailer		Roost		Norene Kordus		Lake Idle Hour Lounge	
Depth (feet)	61	211	209	69	277	152	244	116	278	67
Silica(SiO ₂)	4.8	14	18	12	41	22	17	16	14	21
Iron(Fe)	.03	.52	.09	.11		.09	.21	.07	.72	.48
Calcium(Ca)	22	20	26	30	30	24	21	21	23	30
Magnesium(Mg)	37	14	11	27	10	13	6.6	7.2	15	7.2
Sodium(Na)	674	11	8.1	14	6.2	9.6	4.1	5.1	5.3	2.4
Potassium(K)		1.1	1.9	2.4	1.7	1.9	1.2	1.3	1.8	.8
Bicarbonate (HCO ₃)	188	162	148	132	164	156	103	109	158	124
Sulphate(SO ₄)	381	1	9.0	18	1.0	1.0	3.0	4.0	3.0	1.0
Chloride(Cl)	795	2	2.0	61	2.0	3.0	3.0	4.0	4.0	4.0
Fluoride(F)	.2	...	...	...	...	...	...	...	...	...
Nitrate(NO ₃)	.7	.1	.2	12	.4	.4	.4	.3	.4	.3
Total hardness (as CaCO ₃)	207	107	110	188	117	114	80	83	122	104
Analyst ^{a/}	RTK	GWV	GEA	GEA	GEA	GEA	GEA	GEA	GEA	GEA
Date	8/12/49	12/9/52	11/19/52	11/19/52	11/20/52	11/19/52	11/25/52	11/19/52	11/19/52	11/19/52

a/ RTK, R. T. Kiser; GWV, George W. Whetstone; GEA, Gertrude K. Andresen.

Table 3. ANALYSES OF GROUND WATER FROM WELLS IN THE ANCHORAGE AREA, 1950-1952
 (Values are in million)

No.	82	80	81	83	84	85	86	87	88	89	90	91	92	93	94	95
Owner	ICM Internat. Squadron	ICM Internat. Airport	Internat. Trailer Pk.	Clover Station	ACS Station	Stein- Johnson	Evanson	Wangala- Wood								
Depth (feet)	162	308	216	317	240	285	96	46								
Silica (SiO ₂)	14	20	17	14	32	28	16	18	20							
Iron (FE)	.01	.04	.15	.20	.15	.35	.23	.30	1.5							
Calcium (Ca)	22	21	30	27	42	44	70	58	26							
Magnesium (MG)	11	18	15	10	23	20	19	13	8.2							
Sodium (Na)	6.9	4.4	4.0	16	5.4	6.2	5.6	4.1	3.2							
Potassium (K)		1.8	1.7	1.8	2.0	1.9	1.5	1.1	1.4							
Bicarbonate (HCO ₃)	132	136	173	173	224	246	310	239	113							
Sulphate (SO ₄)	4.0	3.0	0.0	3.0	3.0	4.0	6	5.0	6.0							
Chloride (Cl)	2.0	4.0	3.0	2.0	4.0	8.0	8	5.0	5.0							
Fluoride (F)	.0	...	...	...	...	...	...	...	...
Nitrate (NO ₃)	.0	.3	.3	.3	.2	.2	2.6	.7	1.4							
Total Hardness (as CaCO ₃)	100	128	138	110	203	196	256	198	100							
Analyst ^{a/}	GWW/JBK	GEA	GEA	GEA	GEA	GEA	GWV	GEA	GEA							
Date	11/15/50	11/18/52	11/19/52	11/18/52	11/19/52	11/19/52	11/19/52	11/19/52	11/19/52							

^{a/} JBK; J. B. Kindler; GWW; J. H. Gnetstons; GEA; G. E. Andresen.

Table 3. Analyses of ground water from wells in the Anchorage area, Alaska--Continued
(parts per million)

No.	132a/	135	143	147	152	152	164	168	
Owner	Bradford Huffman	Gateway Station	Huffman Station	Sunset Trailer Park	Sunset Trailer Park	Sunset Trailer Park	Vaudrin Jack Springs	Schwartz	
		U.S.G.S. Test #7	U.S.G.S. Test #7	U.S.G.S. Test #7	U.S.G.S. Test #7	U.S.G.S. Test #7			
Depth(feet)	46	120	32	112	186	210	45	81	
Silica(SiO ₂)	14	16	18	16	22	21	13	14	
Iron(Fe)	.30	.16	.05	.04	...	1.4	.08	.03	
Calcium(Ca)	32	29	35	33	19	19	19	24	
Magnesium(Mg)	6.4	4.6	10	11	11	9.1	5.2	6.0	
Sodium(Na)	4.4	2.8	5.7	4.8	11	12	1.9	2.6	
Potassium(K)	1.1	.8	1.1	1.4	1.7	1.7	.8	1.1	
Bicarbonate (HCO ₃)	130	115	127	156	130	128	86	101	
Sulphate(SO ₄)	5.0	4.0	17	2.0	5.0	5.0	5	9	
Chloride(Cl)	5.0	5.0	11	2.0	3.0	5.0	2	3	
Fluoride(F)	...	...	...	...	...	...	...	...
Nitrate(NO ₃)	.7	.5	1.9	.2	.6	.2	.8	1.6	
Total Hardness (as CaCO ₃)	106	92	130	128	92	86	69	85	
Analyst ^{b/}	GEA	GEA	GEA	GEA	GEA	GEA	GEA	GEA	
Date	11/20/52	10/11/52	11/28/52	12/3/52	6/9/52	6/23/52	12/10/52	12/10/52	10/20/52

a/ Compare with well 132 nearby.
b/ GEA, Gertrude E. Andresen; GWW, George W. Whetstone.

Table 3. Analyses of water from wells in the Anchorage area, Alaska--Continued

No.	170	173a/	173b/	173	175	181	187	188
	U.S.G.S. U.S.G.S. U.S.G.S.		U.S.G.S.		Ft.		Ft.	
Owner	Toomey	Test #8	Test #8	Test #8	Richardson	Richardson	Richardson	Wole
Depth(feet)	177	510	510	176	314	116	154	105
	23	17	17	20	13	16	13	29
Silica(SiO ₂)								
Iron(Fe)	.68	.02	.55	.20	.01	.01	.01	.32
Calcium(Ca)	27	30	29	33	26	23	36	26
Magnesium(Mg)	8.6	12	12	11	12	13	6.9	10
Sodium(Na)	4.5	5.2	3.9	2.8				4.2
Potassium(K)	.9	1.5	1.6	.8	3.7	72	3.5	2.1
Bicarbonate(HCO ₃)	28	136	138	134	132	192	136	134
Sulphate(SO ₄)	5.0	10	10	10	12	27	11	4.0
Chloride(Cl)	5.0	4.0	4.0	2.0	1.0	58	1.5	4.0
Fluoride(F)	...	...	...	...	0.1	0.1	.1	...
Nitrate(NO ₃)	.2	.4	1.1	1.1	0.0	0.7	0.7	.3
Total Hardness (as CaCO ₃)	104	124	122	126	114	111	118	106
Analystc/	GEA	GEA	GEA	GEA	GEA/JBK	GEA/JBK	GEA/JBK	GEA
Date	10/20/52	10/22/52	10/28/52	9/2/52	11/25/50	11/15/50	11/15/50	12/2/52

a/ After pumping one hour at 15 G.P.M.
 b/ After pumping eight hours at 42 G.P.M.
 c/ GEA, Gertrude L. Andresen, GWW, George W. Whetstone, JBK, J. E. Kindler.

Table 1. Records of wells in the Anchorage area, Alaska

No.	Location	Owner	Driller	Date	Topographic situation	Altitude	Type ^a	Depth (feet)	Diameter (in.)	Water level (feet)	Date	Yield (G.P.M.)	Draw-down (feet)	Use ^b	Temp. (°F.)	Remarks
1	Ship Creek near Post Rd. bridge	A. J. Hopper Co.	J. Merrington	1952	Valley floor	60	Dr	210	8	+	8/1/52	...	...	D	...	
2	Do	Denali Constr. Co.	J. March	1952	do	61	Dr	167	8	...	...	...	...	D	...	
3	1230 E. I Place	Don Brown	Owner	....	terrace	113	A	28	10	-25	1950	5	...	D	38	All sand and gravel.
4	12th & E. G St.	Rainbow Cleaners		1947	do	113	Dg	27	31	-24	9/13/50	...	...	D	38	
5	1404-11 St.	Hans Dudley		1948	do	115	Dg	30	30	-27.55	9/14/50	7	...	D	36	
6	13 St. near E. C	Dan Aylward	J. March	1950	do	110	Dr	135	6	-35	1950	50	15+	D	...	
7	15 St. & E. L	Judd Fowler	G. Camp	1952	do	112	Dr	91	6	+	11952	...	...	T	...	
8	17th & E. K	L. Davis		1950	Valley floor	67	A	27	10	-5.2	9/5/50	10	...	D	...	Clay at 6-27 ft. Yield an quality poor.
9	1807 E. I	L. Hunnicutt	T. Moffit	1950	do	65	Dr	35	4	-4.0	1950	...	...	D	...	Gravel at 27-35 ft.
10	E. H St. N. of Chester Creek	Dave Foot	J. Merrington	1951	do	65	Dr	72	6	+5+	1951	...	...	D	...	Initial flow of 80 g.p.m. at 5 ft. above surface.
11	E. G Place N. of Chester Creek	Jack Marak	T. Moffit	1950	do	65	Dr	60	4	+4	1950	...	...	D	...	
12	E. G St. N. of Chester Creek	Anchorage Oxygen Corp.	J. Merrington	1952	Valley floor	64	Dr	135	6	+2+	1952	50	...	I	...	
13	E. G St. S. of Chester Creek	Ben Boeke	J. Merrington	1951	hillside	77	Dr	103	6	+	1951	...	...	D	...	Initial flow 200 g.p.m.
14	Off E. G. St. S. of Chester Creek	H. Persson	P. Brandl	1951	do	70?	Dr	84	6	+1+	1951	...	...	D	...	
15	Off E. C St., S. of Chester Creek	E. Sollas	R. Miller	1952	do	79	Dr	80	4	-23	1952	....	...	D	...	Quality poor.
16	1608 Spenard Rd.	P. Shupe	T. Moffit	1950	do	25	Dr	31	4	-7.5	9/8/50	5	2	D	...	
17	Spenard Rd. w. Chester Creek	Moellers Kennels	G. Ramsey	1951	Valley bottom	18	Dr	67	6	+	1951	20	30+	D	...	
18	Do	Victor Miller	S. Chapman	1952	do	19	Dr	87	6	..	7/24/52	...	...	D	37	Flows 1/2 g.p.m.
19	Rogers Park, Snowcap	Alcan Realty	S. Kosloski	1952	terrace	134	Dr	162	6	-5.81	5/20/52	20	14	D	..	
20	Rogers Park, Galewood & Eastway Aves.	M. W. Clark	G. Ramsey	1951	do	122	Dr	164	6	-10.3	1951	30	5	D	..	Deep well here now serves 15+ homes.
21	Rogers Park, Glenwood Avenue	F. McNeelis	Owner	1950	do	121	A	23	9	-16	1950	7	1	D	..	
22	Fireweed Lane & E. F St.	F. Froelich	L. Nigle	1952	do	112	Dr	35	6	-4.50	7/24/52	..	..	T	..	
23	Fireweed Lane & E. E St.	M. A. Newton	Owner	1950	terrace	110	Dg	20	8	-45	9/2/50	...	...	D	..	Contains iron.
24	Fireweed Lane near G St.	Lloyd Griffin	do	1945	do	105	Dg	72	36	-59	1950	4	...	D	..	Well largely in clay.

Table 1. Records of wells in the Anchorage area, Alaska--Continued

	Location	Owner	Driller	Date	Topographic situation	Altitude	Type ^a	Depth (feet)	Diameter (in.)	Water level (feet)	Date	Yield (G.P.M.)	Draw-down (feet)	Use ^b	Temp. (°F.)	Remarks
25	Fireweed Lane at B St.	J. N. Miller	Owner		terrace	105	Dg	8 1/2	8	-5.75	9/7/50	...	...	D	37	Water contains iron.
26	C St. near Fireweed Lane	Nat Smith	T. Moffitt	1950	do	104	Dr	70	4	-60	1950	4	5	D	...	
27	Fireweed Lane and Twiss Way	Glenn Barnett	L. Nigle	1952	do	101	Dr	70	6	-53.84	7/26/52	...	...	D	...	
28	Fireweed Lane & Blueberry Lake Rd.	Spenard Public School	M. Erceg	1949	do	100	Dr	72	6	-15	1949	...	...	PS	...	5 ft. of 40 slot screen installed.
29	Fireweed Lane & G St.	F. B. I.			do	100	Dr	72	...	-66	1944	6 1/2	9	D	...	
30	H St., N. of Fireweed Lane	J. Morrison	J. March	1949	top of cliff	99	Dr	80	6	-74	1949	5	...	D	...	
31	N. end of North Star St.	A. Gooch	J. March	1952	do	92	Dr	107	6	-47	1952	...	...	D	...	
32	Fireweed Lane & N. Star St.	C. H. Rhodes		1949	do	100	Dg	14	48	-11.9	9/7/50	6	...	D	...	
33	Fireweed Lane near Spenard Rd.	B. Irvin	G. Camp	1952	do	99	Dr	69	6	-44	1952	15	5	D	...	
34	Spenard Rd., at Romig Park	Romig Park subdiv.	J. Currie	1950	do	102	Dr	79	6	-56	1950	...	...	M	...	
35	Do	do	J. Merrington	1952	do	102	Dr	130	8	.....	.....	50	30	M	...	Depth of well referred to ground level.
36	KENI Rd., .5 mi. W. of Spenard Rd.	Forest Park Trailer Court		1948	do	101	Dg	19	43	-13.2	9/8/50	...	...	T	38	Blue clay at 19 ft.
37	End of KENI Rd.	Forest Park Golf Court		1950	hillside	87	Dg	10	20	-7.2	9/3/50	...	...	D	37	See well 186.
38	Clay St. W. of Spenard Rd.	Holgar Larsen	J. March	1951	terrace	100	Dr	89	...	....	...	...	...	D	...	
39	End of Verde Lane	L. Hancock	G. Camp	1952	do	96	Dr	152	6	-33.85	5/3/52	20	75	T	...	
40	Spenard Rd. near Casa Lane	Spenard Hardware	G. Ramsey	1951	do	99	Dr	72	6	-41	1951	8	55	D	...	
41	Casa Lane near Spenard Rd.	John Bass	Owner	1948	do	99	Dg	17	48	-15.5	9/3/50	-5	..	D	...	Through sandy gravel to hardpan at 17 feet.
42	Do	Roice Larson		1948	do	99	Dg	50	48	-47	1950	4	...	D	...	All gravel.
43	KFQD Rd., near Spenard Rd.	D. Lenorduzzi	Owner	1948	do	99	Dg	17 1/2	48	-10.9	9/9/50	3	10	D	...	Blue clay at 10 ft.
44	Do	Martin Subdivision	J. Merrington	1950	do	100	J	126	6	-50	1950	20	15	Ab	36	Black pea gravel (below till) at 177-181 feet.
45	Do	do	do	1951	do	100	Dr	185	6	-10	1951	25	5	M	...	
46	Do	Piggly Wiggly	G. Ramsey	1951	do	100	Dr	128	6	-22	1951	13	40	I	...	
47	Lois Drive, off KFQD Rd.	Earl Doty	G. Ramsey	1951	terrace	95	Dr	154	6	-53	1951	7 1/2	97	T	...	
48	Off KFQD Rd. E. of Alaska Railroad	La Honda Trailer Court	J. Merrington	1952	dissected terrace	52	Dr	151	6	-22.9	6/23/52	20	37	T	...	
49	KFQD R. W. of A.R.R.	H. Suggitt	J. March	1950	terrace	80	Dr	276	6	-46.37	9/16/50	20	...	T	...	

Table 1. Records of wells in the Anchorage area

No.	Location	Owner	Driller	Date	Topographic situation	Altitude	Type ^{a/}	Depth (feet)	Diameter (in.)	Water level (feet)	Date	Yield (G.P.M.)	Draw-down (feet)	Use ^{b/}	Temp. (°F.)	Remarks
50	Turnagain Heights	R. Atwood	J. Currie	1948	do	74	Dr	150	6	-70	8/13/49	40	12	D	...	Brackish.
51	Clay Products Rd.	H. Brown	Owner	1950	hillside	...	Dg	14	48	-7	1950	6	4	D	...	
52	Off KFQD Rd., 1/2 m. W. of Spenard	Simonson Subdivision	J. Merrington	1952	terrace	74	Dr	211	8	-52.04	6/20/52	30	15	M	...	
53	Do	Station KFQD	Owner	1947	do	93	Dg	9	30	-7	10/3/50	12	5	D	...	Hard water.
54	Vista Rd. E. of Spenard Rd.	Breeden & Smith	J. Currie	1950	do	94	Dr	53	6	-13.48	9/16/50	-12	...	D	...	
55	Nr. end of Vista Rd.	Northern Lights Trailer camp	L. Nigle	1952	do	98	Dr	118	6	-5	9/20/52	5	60	T	...	
56	Spenard Rd.	Spenard Washeteria	G. Camp	1952	do	98	Dr	209	6	-26.72	6/5/52	30	...	I	...	
57	Spenard Rd. & Lena Rd.	Spenard Cocktail Lounge	J. Currie	1950	do	98	Dr	69	6	-14	1950	...	...	R	38	Water contains iron.
58	Spenard Rd.	Jones Tourist Court	G. Camp	1952	do	94	Dr	180	6	-7.29	5/9/52	...	...	R	...	Water contains iron.
59	Do	Adam & Dalton Restaurant	J. Currie	1948	do	95	Dg	12	34	-6.9	9/9/50	6	...	R	...	
60	Do	Dori Delite	J. March	1952	do	95	Dr	125	6	...	...	...	...	R	...	
61	Spenard Rd. & Polar Drive	V. B. Dade	J. Currie	1948	do	92	Dr	98	6	-15	1948	12	80	D	...	Water roily when well pumped heavily.
62	Polar Drive nr. Spenard Rd.	Odell Lene		1949	do	90	A	20	8	-4.5	1949	6	1	D	...	
63	End of Chugach Drive	Spenard Acres	P. Brandl	1951	do	89	Dr	103	6	-6	1951	...	...	T	...	
64	Spenard Rd. .5 mi. E. of Alaska Railroad	Spenard Auto Repair	Owner	1950	do	92	Dg	11	36	-9.35	9/12/50	-6	1	D	...	
65	Woodland Park, nr. Alaska Railroad	E. Schenker	J. Merrington	1952	dissected terrace	89	Dr	169	6	.....	.....	20	20	D	...	
66	Adler St., Woodland Park	C. Brattland	R. Miller	1950	do	82	Dr	126	6	-78	10/4/50	...	...	D	37	
67	Do	R. M. Hays	J. Merrington	1952	do	86	Dr	152	6	-40.00	5/1/52	...	...	D	...	
68	Woodland Park	Woodland Park School	J. March	1952	do	90	Dr	277	8	-11.54	8/13/52	...	...	PS	37 1/2	
69	Spenard Rd. & McRae Rd.	Trailer Roost	G. Ramsey	1951	do	89	Dr	152	6	-39.81	4/15/52	8	94	T	...	
70	McRae Rd., 1/4 m. W. of Spenard Rd.	F. Froelich	L. Nigle	1952	hillside	59	Dr	150	6	-20	1952	12	70	T	...	
71	McRae Rd., Spenard	Garden of Eatin	L. Schachle	1952	dissected terrace	67	Dr	167	6	.....	.....	...	...	R	...	
72	McRae Rd., on Fish Creek	D. L. Crusey	Owner	1949	valley	...	Dg	16	30	-13.5	10/1/50	...	...	D	...	
73	McRae Rd., W. of Fish Creek	Tope Constr. Co.	L. Nigle	1952	hillside	59	Dr	238	6	-40	1952	...	...	M	...	
74	McRae Rd., .2 m. S. of KDQD Rd.	V. R. Newell	Owner	1947	dissected terrace	85	Dg	15	36	-11.5	10/6/52	...	...	D	...	

Table 1. Records of wells in the Anchorage area, Alaska--Continue

No.	Location	Owner	Driller	Date	Topographic situation	Altitude	Type ^{a/}	Depth (feet)	Diameter (in.)	Water level (feet)	Date	Yield (G.P.M.)	Draw-down (feet)	Use ^{b/}	Temp. (°F.)	Remarks
75	45 Gerans Way, nr. McRae Rd.	L. H. Norene	L. Schachle	1952	dissected terrace	63	Dr	244	6	-40	1952	20	18	D	...	Pea gravel encountered at 237 feet.
76	Gerans Way, nr. Spenard Rd.	C. Kordus	P. Brandl	1951	do	85	Dr	116	6	-33	1951	..	...	D	...	
77	Spenard Rd., E. of Fish Creek	A. Woodward	Owner	1950	do	...	Dg	32	22	-27.5	1950	...	...	D	...	Yield small.
78	Spenard Rd., W. of Fish Creek	Grizzly Trailer Court	G. Ramsey	1951	hillside	64	Dr	83	6	-19 1/2	1951	10	3 1/2	T	...	Yield by bailing.
79	Spenard Rd., E. of road forks	J. Hurst	Owner	1952	do	88	Dr	60	4	-28	1952	...	...	D	...	
80	Road forks, NE of Lake Spenard	Lake Motel	J. Merrington	1952	terrace	72	Dr	278	8	-8	1952	40	-54	T	...	Yield by bailing.
81	Nr. east shore of Lake Spenard	W. W. Fultz	J. Merrington	1952	slope	67	Dr	67	8	-22.54	6/4/52	40	10	T	...	cf. wells 90 and 93
82	East shore of Lake Spenard	Idle Hour Country Club		1946	lake shore	81	Dg	16 1/2	46	-10.4	9/12/52	...	...	R	38	
83	Southwest shore of Lake Hood	10th Rescue Detachment		1946	do	72	Dr	162	6	.....		25	...	D	...	
84	NE end of air field	Northern Consolidated	L. Schachle	1952	Terrace		Dr	132	6	.....		15	58	D	...	
85	Do	Alaska Airlines	J. Currie	1951	do	81	Dr	158	6	.....		35	6	...	...	Yield by bailing.
86	Nr. Control tower	International Airport	J. Currie	1950	do	88	Dr	308	6	.....		...	...	...	...	Yield poor. Has #10 slot screen installed.
87	S. end of air field	International Airport	J. Currie	1949	do	110	Dr	155	6	-90	1950	22	...	...	...
88	International Airport & Sand Lake Rds.	International Trailer Park	G. Kosloski	1952	do	76	Dr	213	6	-63.30	7/23/52	...	...	...	...	cf. well 89.
89	On DeLong Lake, Sand Lake Rd.	Snyder	J. Merrington	1951	lake shore	79	Dr	215	6	-40	1951	20	90	D	...	cf. well 88.
90	Sand Lake Rd., E. of DeLong Lake	D. Clover	G. Ramsey	1951	hill	100	Dr	317	6	-55	1951	20	26	D	...	cf. wells 89 and 93
91	Sand Lake Rd. & Raspberry Rd.	L. Onstatt	Owner	1950	hillside	138	A	50	7	-48	1950	...	...	D	...	Yield small.
92	Raspberry Rd.	Imlac			rolling ground	97	Dr	44	3	.....		...	...	D	...	Water from hardpan. Yield meager.
93	NE. shore of Sand Lake	E. Crawford	G. Ramsey	1951	hillside	106	Dr	318	6	-63	11951	8	15	D	...	cf. wells 89 and 90.
94	Strawberry Rd.	L. F. Burke	Owner	1950	rolling ground	125	Dg	34	24	-30	1950	5	2	D	35	
95	Strawberry Rd.	E. Nelson	Owner	1950	hillside	122	Dg	26	42	-23	1950	...	...	D	37	Yield small.
96	Sand Lake Rd., 0.6 m. S. of Strawberry Rd.	H. McClure	do	1949	do	...	Dg	21	24	-18	1950	...	...	D	...	Yield small.
97	2 3/4 m. SW of Lake Spenard.	A. C. S.			hilltop	140	Dr	205	6	-155	1950	29	...	D	35	Quality poor.
98	Do	do	J. Merrington	1952	do	140	Dr	240	6	-115	7/17/52	70	4	D	...	5 ft. 65-slot screen installed.

Table 1. Records of wells in the Anchorage area, Alaska--Continued

No.	Location	Owner	Driller	Date	Topographic situation	Altitude	Type	Depth (feet)	Diameter (in.)	Water level (feet)	Date	Yield (G.P.M.)	Draw-down (feet)	Use b/	Temp. (°F.)	Remarks
99	W. Strawberry Rd., .8 m. W. North Jewel Lake Rd.	Steinhauser	S. Chapman	1952	hillside	187	Dr	285	6	-164	1952	8	...	D	...	Blue silt to 283; small gravel 283-285.
100	W. Strawberry Rd., .5 m. W. of North Jewel Lake Rd.	L. C. Johnson	J. Currie		hilltop	230	Dr	165	6	-157	.....	...	...	Ab	...	
101	North Jewel Lake Rd., nr. West Strawberry Rd.	I. Iverson	R. Miller	1948	hillside	104	Dr	96	5	-85	1948	8	1	D	36	
102	North Jewel Lake Rd., nr. W. Raspberry Rd.	J. Peterson			do	148	Dr	154	...	-120		...	...	D	...	
103	Jewel Lake Road, south of gravel pits	Sea View Heights	R. Miller	1950	cliff	163	Dr	220	4	-150	1950	...	...	Ab	...	Silty water.
104	W. shore of Jewel Lake	R. Risch	Owner	1950	shore	...	A	43	9	-42.26	10/5/50	...	...	D	35	
105	Jewel Lake Rd., 1.2 m. W. of Alaska Railroad	J. Gilliland	do	1949	hillside	90	Dg	18	8	-13	1950	...	...	D	...	Yield meager.
106	Jewel Lake Rd., .5 m. W. of Alaska Railroad	J. Theus	do	1951	do	86	Dg	14	48	-11	1952	...	...	D	...	Till at 10 ft.
107	Potter Rd., at Fireweed Lane	Sterling Service Station	G. Ramsey	1951	terrace	112	Dr	113	6	-9	1951	30	...	D	...	
108	Potter Rd., 1 m. S. of Fireweed Lane	E. E. Potter	J. Condell	1947	hillside	133	Dg	27	30	-25	1950	...	...	D	...	Yield is small.
109	Do	Van Huss	G. Ramsey	1951	do	119	Dr	82	6	+		...	...	D	...	Encounters sand below till at 81 ft.
110	Chugach storage yard, off Campbell Sta. Rd.	USGS Test #2	C. Chausse	1951	terrace	94	J	118	4	-7.42	6/21/51	...	...	Obs.	...	
111	Do	USGS Test #3	do	1951	do	94	J	20	3	-11.32	6/21/51	15	5.4	Obs.	35	Not entirely clear of sil
112	Potter Rd., at Dowlins Rd.	Hilltop Trailer Court	G. Camp	1952	Knoll	135	Dr	113	6	-6	1952	25	72	T	...	
113	Dowlins Rd., at Potter Rd.	Potter Road Tourist Camp	J. March	1950	do	120	Dr	34	6	-3	1951	...	...	T	...	Yield small.
114	Dowlins Rd., .7 mi. W. of Potter Rd.	S. Chapman	S. Chapman	1952	slope	126	Dr	93	6	+3	10/15/52	...	...	D	...	
115	Potter Rd., .5 m. S. of Dowlins Rd.	C. R. Underwood	S. Alward	1949	terrace	135	Dg	21	36		10/4/50	...	...	D	...	Yield small. Water from sand lens in till.
116	Potter Rd., .6 mi. S. of Dowlins Rd.	H. Johnson	S. Chapman	1952	do	132	Dr	86	6	-7.21	10/20/50	...	...	D	...	
117	Potter Rd., .3 m. N. of Wells Rd.	E. Zurian	L. Nigle	1952	gentle slope	119	Dr	35	6	-12.90	8/6/52	...	...	T	...	
118	Do	Yucca Club	do	1952	do	120	Dr	39	6	.....		...	...	R	...	
119	Do	Ace in the Hole	S. Kosloski	1951	do	120	Dr	102	6	+5+	1952	...	...	R	...	Water is hard.
120	Potter Rd., .7 m. S. of Wells Rd.	O. J. Sasse	Owner		Knoll	148	Dg	16	36	.....		...	...	D	...	Ample supply.
121	O'Malley Rd., 2.1 mi.	M. Evans	G. Ramsey	1951	hillside	382	Dr	175	6	-145	1951	7 / 2	20	D	...	

Table 1. Records of wells in the Anchorage area, Alaska--Continued

No.	Location	Owner	Driller	Date	Topographic situation	Altitude	Type ^a	Depth (feet)	Diameter (in.)	Water level (feet)	Date	Yield (G.P.M.)	Draw-down (feet)	Use ^b	Temp. (°F.)	Remarks
122	O'Malley Rd., .4 m. W. of Birch Rd.	Tanglewood	J. Herche		hillside	518	Dg	46	48	-43.2	8/14/52	...	...	D	...	Till 0-44 ft., sand 44-46 ft.
123	O'Malley Rd., .2 mi. W. of Birch Rd.	R. Pastro		1952	do	540	Dr	52	...	-34	1952	...	...	D	...	Till 0-46 ft., sand 46-52 ft.
124	O'Malley Rd., at Hidden Lake	H. C. Dault	R. Miller	1949	do	921	Dr	114	4	-98	10/5/50	...	...	D	35	Till 0-85 ft., sand 85-105 ft., gravel 105-114 ft. Sand 0-20'; till 20-30'; sandy gravel 30-47'. "All silt."
125	O'Malley Rd., .3 m. E. of Potter Rd.	Turnagain Children's Home	P. Brandl	1952	hilltop	235	Dr	137	6	....	1949	...	...	D	...	Water is silty.
126	Klatt Rd., E. of Potter Rd.	J. A. Holzenberg	P. Brandl	1949	do	230	Dr	50	4	-45	1952	....	....	D	...	Gravel 0-6'; silt 6-60'; fine sand 60-92'; coarse sand 92-93'.
127	E. of Turnagain Tavern	Mary Bell	G. Young	1951	terrace	178	Dr	93	6	-31	1950	...	...	R	36	
128	Potter Rd., .2 m. N. of Klatt Rd.	J. D. Yates	P. Brandl	1950	do	180	Dr	98	6	-30	1951	20	...	D	...	
129	Do	Turnagain Tavern	J. Currie	1951	do	170	Dr	54	6	....		...	...	D	...	Dune sand to 44 feet.
130	Klatt Rd., .3 m. W. of Alaska Railroad	Smith	H. Stone	1952	do	135	Dr	94	6	-44	1952	...	...	D	...	Till to 40 ft.
131	N. of Klatt Rd.	L. A. Klatt	P. Brandl	1952	do	135	Dr	48	6	-36	1952	...	...	R	...	Mostly till.
132	End of Klatt Rd.	E. T. Hardy	do	1951	rolling ground	179	Dr	85	6	-68	11951	...	...	R	...	
133	Potter Rd., .45 m. S. of Huffman	Keith & Clara	do	1950	hilltop	214	Dg	102	30	....		....	...	Ab	...	Dry hole.
134	Off Potter Rd., .5 mi. S. of Huffman	V. Huffman	Owner	1950	do	209	Dr	120	6	-109		...	...	D	37 1/2	
135	Do	do	P. Brandl	1952	do	221	Dr	135	6	-120		...	...	D	...	
136	Sunset Hills, Potter Rd.	Ed Jarvi	do	1951	do	221	Dr	64	6	-21		...	...	D	...	
137	Do	Lee Chambers	do	1950	slope	160	Dr	87	6	-81 1/2	1950	6	2 1/2	D	...	Gravel 0-7'; till 7-70'; black sand 70-85'.
138	Potter Rd., .2 m. S. of Sunset Hills	A. U. Hassman	do	1950	terrace	130	Dr	85	6	-60	1950	4	1	R	...	
139	S. of Rabbit Creek	Rabbit Creek Inn	J. Currie	1950	do	162	Dg	50	48	-47.5	1950	5	...	D	...	
140	Thompson & Taylor Sts., Mountain View	P. Wesalik	Owner	1949	do	171	Dr	67	6	-45	1949	55	...	S	...	Blue clay, 0-7 ft.; sand and gravel, 7-45 ft.
141	Mountain View	School	M. Erceg	1947	terrace	164	Dg	45	42	-40	1950	7	...	D	...	
142	Parson St., Mountain View	H & D Market	Owner	1946	do	166	Dg	32	30	-27.7	10/9/50	3	2	D	...	
143	Palmer Hgwy., Mountain View	Gateway Service Sta.	do	1950	do	174	Dr	60	6	-31	1950	40	...	T	37	Flows 7 g.p.m.
144	East Mountain View	Artesian Trailer Camp	J. March	1952	valley	143	Dr	93	6	+	1952	...	...	D	...	
145	1 block S. of Palmer Hgwy, Mountain View	H. Stephens	S. Kosloski	1952	do	140	Dg	8	42	-7	10/9/50	4	...	D	...	
146	290 S. Bragaw St., Mountain View	N. Shaw	Owner	1952	do	159	Dr	112	6	+	6/3/52	30	...	T	...	

Table 1. Records of wells in the Anchorage area, Alaska--Continued

No.	Location	Owner	Driller	Date	Topographic situation	Altitude	Type ^{a/}	Depth (feet)	Diameter (in.)	Water level (feet)	Date	Yield (G.P.M.)	Draw-down (feet)	Use ^{b/}	Temp. (°F.)	Remarks
148	0.6 m. S. of Mountain View	Maj. Farmer	P. Brandl	1952	valley	147	Dr	68	6	-3	1952	...	...	T	...	
149	0.7 m. S. of Mountain View	J. Vanover	P. Brandl	1951	do	145	Dr	106	6	-10	1951	...	...	D	...	Supplies hog ranch.
150	Grandview Gardens	L. Varnell	Owner	1950	terrace	160	A	31	...	-26	1950	4	2	D	...	All sandy gravel.
151	Norené St., Grandview Gardens	Herb Kastner	P. Brandl	1952	do	161	Dr	84	6	-14	1952	....	...	D	...	Through till to gravel at 84 feet.
152	Opposite Anchor Homes on Otis Lake Rd.	USGS Test # 7	G. Ramsey	1952	do	129	Dr	396	8-6	-23.5	1952	see log	...	Ab	...	Temperature at 210 ft.
153	N. end Anchor Homes on Otis Lake Rd.	USGS Test # 6	C. Chausse	1951	do	129	Dr	82	7	-23.73	9/29/51	19 1/2	7.6	Ab	...	Gravel encountered at 74
154	Opposite Anchor Homes on Otis Lake Rd.	R. Kessler	G. Ramsey	1951	do	128	Dr	77	6	-22	1951	10	10	D	...	
155	One-fourth mi. SW of Otis Lake	McInnes			hilltop	190?	Dg	27	...	-22	1951	...	...	D	...	Struck till at 27 ft.
156	Green Acres, Otis Lake Rd.	Arthur Johnson	G. Camp	1952	hillside	164	Dr	43	6	-31		13	...	D	...	All sand and gravel.
157	Do	R. Burge	Owner		Valley floor	148	Dg	16	...	-13	10/11/50	7	...	T	...	All sand and gravel.
158	Do	M. Hopkins	S. Kosloski	1952	do	148	Dr	140	6	-5 1/2	1952	25	11 1/2	D	...	
159	Otis Lake & Tudor Rds.	Cottonwood Courts	H. Stone	1951	do	171	Dr	54	6	-21	1951	...	...	T	...	
160	Otis Lake Rd. S. of Campbell Creek	R. W. Gordon	Owner	1950	do	170	A	14	12	-9.1	10/11/50	...	...	D	...	All sand and gravel.
161	Otis Lake Rd., S. of Campbell Creek	Hufeisen housing project	J. Merrington	1952	ridge	189	Dr	182	8	-32.2	10/14/52	70±	28±	M	...	cf. wells 158, 1952, 147, 102, 181
162	Off Boniface Rd., SW of Russian Jac Springs	E. J. Banta	Owner	1949	Valley floor	206	Dg	29	...	-26	1952	...	...	D	...	
163	Do	B. B. Collins	R. Miller	1951	do	204	Dr	96	6	-31	1951	...	...	D	...	
164	Do	W. J. Vaudrin	do	1951	gentle slope	210	Dr	45	4	-11	1951	...	...	D	...	
165	N. of Dog Pound, Le Barr Rd.	I. Walker	Owner		hilltop	260	Dg	40	42	-37	1950	...	...	D	...	
166	N. end of Baxter Rd.	H. Moline	L. Schackle	1952	gentle slope	219	Dr	83	6	-38	1952	20	38	D	...	Water contains iron.
167	Tudor & Muldoon Rds.	G. Schwartz	Owner	1950	ridge	223	Dg	47	36	-44	10/9/50	...	...	D	...	Well in till, yield inadequate.
168	Do	Do	G. Ramsey	1951	do	323	Dr	81	6	-61	1951	...	...	D	...	Water contains iron, but is improving with use.
169	Muldoon Rd., .8 m. S. of LeBarr Rd.	W. M. Lewis	Owner		hilltop		Dg	28	36	-19.6	10/9/50	...	...	D	...	All sand and gravel.
170	Dobin Rd., off Muldoon Rd.	F. Toomey	L. Schackle	1952	do	315	Dr	177	6	-79.5	10/9/52	12	8	D	...	cf. well 166.
171	Muldoon Rd., 1/2 mi. S. of Oilwell Rd.		L. Nigle	1952	valley floor	264	Dr	32	6	-7	7/17/52	...	...	D	...	Through gravel to till at 30 feet.
172	Oilwell Rd., nr.	U. S. Army	J. Merrington	1952	terrace	199	Dr	157	6	-5.05	8/27/52	60	3.5	D	...	Five ft. of #60 slot screen installed.

Table 1. Records of wells in the Anchorage area, Alaska--Continued

No.	Location	Owner	Driller	Date	Topographic situation	Altitude	Type ^{a/}	Depth (feet)	Diameter (feet)	Water level (feet)	Date	Yield (G.P.M.)	Draw-down (feet)	Used ^{b/}	Temp. (°F.)	Remarks
173	Oilwell Rd., nr. Palmer Highway	USGS Test # 8	G. Ramsey	1952	terrace	200	Dr	617	8-6	see log		see log	...	Ab	37	
174	3/4 mi. NE. of Alaska P.S. station	Ft. Richardson	U. S. Army		do	140	Dr	179	8	-83	...	...	...	...	...
175	2 3/4 mi. NW. of Mountain View	do	do		terrace near base of hills	250	Dr	314	8	...	.....	80	...	...	...
176	1 mi. N. of Whitney	do	do		do	240	Dr	252	8	-115	.....	52	...	...	...
177	W. end of runway	do	do		terrace	170	Dr	228	8	-154	.....	85	...	...	...
178	1/2 mi. W. of Main Gate, 1 mi. NW. Mountain View	do	do		do	180	Dr	240	8	-177	...	143	...	...	...
179	.9 mi. S. of Green Lake	do	do		till hills	220	Dr	333	8	...	...	...	...	...	...
180	1.2 mi. S. of Green Lake	do	do		do	250	Dr	116	8	...	.....	...	...	...	...
181	Artesian Village	U. S. Army	do	1943	terrace	170	Dr	154	8	+	...	...	...	...	...	Flowed 104 g.p.m.
182	Do	do	do		do	170	Dr	51	8	=	...	...	...	...	...
183	.8 mi. NNE. of Green Lake	Fish Camp	do		terrace nr. cliff	70?	Dr	272	8	+	...	...	...	...	...	Flows 11 g.p.m. water from 356-357 feet.
184	Fire Island	U. S. Airforce	do		hill	252	Dr	357	8	-250.5	7/50	63	73	...	...
185	Do	do	do		do	266	Dr	341	8	-261	7/50	92	58	...	...
186	East of Station KENI	R. W. Stevens	L. Schachle	1952	terrace	85	Dr	123	6	-54.2	11/18/52	5	...	D	...	
187	Near end of Baxter Rd.	Haakon Hoie	do	1952	low ridge	279	Dr	105	6	-85?	...	...	...	D	...	cf. well 166.
188	Do	Maver Roth	L. do	1952	do	270	Dr	120	6	-59	...	...	...	D	...	
189	Mountain View	Trails End Trailer Court	S. Chapman	1952	Valley floor	163	Dr	168	6	+4	...	...	...	T	...	

^{a/} A, augered; Dg, dug; Dr, drilled; J, jettied.

^{b/} Ab, abandoned; D, domestic; I, industrial; M, municipal; Obs, observation well; Ps, public school; R, restaurant, bar or tavern; T, trailer camp or motel.