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#168  
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UNPUBLISHED RECORDS  
SUBJECT TO REVISION

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Test Well 1. McGrath road, above DeSacia homestead, Fairbanks  
(Log by D. J. Cederstrom)

	Thickness (feet)	Depth (feet)
Chocolate brown silt	35	35
Bright yellow silt with schist fragments, Gummy	12	47
More clayey silt with schist fragments	5	52
Clayey silt with increasing schist fragments	23	75
Coarse fragments, much less clay, prob. weathered bedrock	8	83
Schist bedrock, unaltered	2	85

Remarks: Water level 64 feet below surface. With casing at 67 feet and hole at 85 feet, well yielded 2 gallons a minute with 6 feet of drawdown.

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Test Well 2. McGrath road at valley head, Fairbanks

(Logyby D. J. Cederstrom)

	Thickness (feet)	Depth (feet)
Brown silt	10	10
Gray to black muck	45	55
Extremely sticky black muck	2	57
Black muck	7	64
Yellow brown clay with many schist fragments very little (?) water	4	68
Yellow clay	24	82

Remarks: Test abandoned because of faulty casing.

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Coarse yellow quartz sand - quartz and slaty schist fragments with moderate fines	1	130½
Medium red brown sand becoming coarser with more larger frags. at 132	4	134½
Coarse yellow gravelly sand, for- mation is loose and bails down without drilling	1½	136
Blue clay, blue schist fragments	½	136½
Coarse gray quartz sand and some gravels	1½	138
Dark med. coarse quartz sand	2	140
Rock	1½	141½
Dark med. coarse quartz sand alternating with rock	1½	143

Remarks:

Falling tests

Casing	Hole	gallons a minute	drawdown
87	91	dry in 10 minutes	@ 7 g.p.m.
88	92	3	29
91	95	dry in 20 minutes	@ 7 g.p.m.
113	117	4	40
126½	130	3	20
131	135	6½	23
135	136	6	21

Water level 20 feet below surface.

**Test Well 4. Head of valley below McGrath Road, Fairbanks**

(Log by D. J. Cederstrom and E. G. Otton)

Altitude	feet	Thickness (feet)	Depth (feet)
<b>Thawed</b>			
	Black muck	15	15
<b>Frozen</b>			
	Black muck	13	28
<b>Thawed</b>			
	Jet black muck	12	40
	Black silt, gray when dry	18	58
	Gray silt with small gravels	1	59
	Gray sand, coarser with depth	10	69
	Brown clay	13	82
	Silty brown clay grading down to coarse sand and gravel	41	123
	Gravelly (schist) sand	1 1/2	124

Remarks: Well drilled in frost hummock below road: Flowed at surface. Water now stands about 8 feet above surface in casing extended to about 10 feet above surface. Used for observation purposes.

**Test Well 3. McGrath road at valley head, Fairbanks**

(Log by D. J. Oederstrom)

	Thickness (feet)	Depth (feet)
Chocolate-brown silt	18	18
Brown silt, fragments of schist.		
Seep at 30'	34	46
Brown silt. Many fragments	11	55
Yellow clay, fewer fragments.		
Some large - 3½" max.	33	88
Red brown schist sand. Medium		
texture	11	99
Red brown schist sand. Water-bearing		
107-108 streak of darker micaceous		
more fragmental material. Water		
level has been higher seemingly		
than previous 18.7	8	107
Red brown sand - fragments	1	108
Brown well sorted medium sand, but		
at 108½ water dropped to 76.2		
Temp. 39°	4	112
Red brown medium coarse sand	3	115
Fine brown sand	2	117
Sand with much coarse angular fragments	3	120
Fine brown sand - slow drilling	1	121
Medium brown sand - faster drilling		
becoming coarser with large angular		
fragments at 125. At 127 excellent		
med. sand but very little water	4½	125½

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Test Well 8. South end McGrath Field, McGrath Road, Fairbanks

(Logyby D. J. Cederstrom and H. G. Otton)

Altitude	feet	Thickness (feet)	Depth (feet)
		78	78
		2	80
		4	84
		11	95
		3	98
		4	102
		4	106
		3	109
		9	118
		5	123
		2	125
		3½	128½
		1½	130

Remarks: Casin. extended to 112 feet. Water level 89 feet below surface. Pailed 5 gallons a minute with 2 feet of drawdown.

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Test Well G. C. Fowler property, Farmers Loop Road, Fairbanks

(Log by E. G. Otton)

Altitude feet

	Thickness (feet)	Depth (feet)
Thawed		
Silt, grayish-buff	15	15
Muck, black (water in hole at 20 ft.)	7	22
Frozen		
Muck, (ice crystals) silty	8	30
Mud, silty, dark gray	55	85
Mud, silty, few fragments plant debris	10	95
Thawed		
Mud, silty, wood fragments, gray-black	9	104
Mud, silty, gray-black	56	160
Mud, silty, gray	9	169
Mud, silty, dark-gray; rock frag- ments consisting of angular pieces of dark schist and white, opaque quartz	1	170
hook	4	174

Remarks: Casing extended to 164 feet. Water level 47 feet below surface. Pailed 2½ gallons a minute with drawdown of 7 feet.