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Gilfilian Engineering, Inc. and Mat-Su Test Lab, Inc.

WAS 5204

WATER WELL RECORD

STATE OF ALASKA

DEPARTMENT OF NATURAL RESOURCES Division of Geological & Geophysical Surveys

10033

Drilling Permit No. _____

A. D. L. No. _____

LOCATION OF WELL (Please complete either 1a, 1b or 1c.)

1a. Borough MAT-SU	Subdivision WASILLA WOODS	Lot 7	Block 2	1b. 1/4 qtrs. — of — of — of —	Section No.	Township N <input type="checkbox"/> S <input type="checkbox"/>	Range E <input type="checkbox"/> W <input type="checkbox"/>	Meridian
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1c. DISTANCE AND DIRECTION FROM ROAD INTERSECTIONS
Spruce Ave and Lucille St.
Street Address and Area of Well Location

3. OWNER OF WELL: City of Wasilla
Address: Wasilla, Ak.

2. WELL LOG Material Type	Feet Below Surface	
	Top	Bottom
Gravel and boulders	0	20
24" conductor hole drilled w/ bentonite slurry		
20" conductor pipe set in bentonite slurry with 6" stickup		
14" casing set with gravel-cobbles and 20" boulder at 14' level 2 ft. stickup	2	20
Sand and gravel and cobbles, boulder	20	108
Gravel with sand and cobbles At 162 ft. gained 14 ft water overnite	108	162
Gravel and sand 19 ft. water overnite	162	182
Gravel and sand	182	199
Brown sand	199	202
Gray clay, gravel, hardpan	202	204
Loose grave sand water	204	219
Brown sand lense	219	221
Loose gravel 4" minus	221	236
Sand, brown	236	239

4. WELL DEPTH: (final) 236 ft.
5. DATE OF COMPLETION 11 - 1 - 85

6. Cable tool Rotary Driven Dug
 Auger Jetted Bored Other:

7. USE: Domestic Public Supply Industry
 Irrigation Recharge Commerical
 Test Well Other:

8. CASING: Threaded Welded
diam. 14 in. to 234 ft. Depth Weight 54 lbs./ft.
diam. 20 in. to 20 ft. Depth Stickup 2 ft.

9. FINISH OF WELL:
Type: Screen Diameter 14"
Slot/Mesh Size 100-Variable Length: 26 ft.
Set between 210 ft. and 236 ft.
Backfilling _____ Gravel pack _____

10. STATIC WATER LEVEL: 115 ft. // // Date
 Above or Below land surface
Equipment used: Top of casing

11. PUMPING LEVEL below land surface and YIELD
_____ ft. after _____ hrs. pumping _____ g.p.m.
_____ ft. after _____ hrs. pumping _____ g.p.m.

12. GROUTING Well Grouted: Yes No
Material: Neat Cement Other:

13. PUMP: (if available) HP 75
Length of Drop Pipe 180 ft. capacity 1000 g.p.m.
 Subm. Jet Centrifical Other

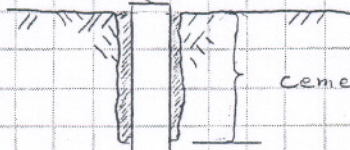
14. REMARKS: 100 slot screen set at 210 to 236 with smaller variable size 218-227

16. WATER WELL CONTRACTOR'S CERTIFICATION:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief;
Magnuson Drilling AA 5385
Registered Business Name Contract License Number
Address: P.O. Box 770504 Eagle River, Ak. 99577
Signed: *William A. Magnuson* Date: Dec. 2, 1985
Authorized Representative

welded on steel cap

top of casing elev. 507.63 feet
(28 inch stickup)

cement grout (20 ft)



WELL CONSTRUCTION
DETAIL

VERTICAL SCALE 1" = 30'

14 in. dia well casing
54 lbs / lineal ft. (steel)

1.15'



204 top of aquifer

210

14" dia 100 slot

218

14" dia 30 slot

224

14" dia 100 slot

236

WAS 5204



**Gilfilian Engineering &
Environmental Services**
P.O. Box 871868
Wasilla, Alaska 99687

project	CITY WASILLA 14" PRODUCTION WELL	by	STR	sheet no. 1/1
location	LOT 7 BK 2 WASILLA WOODS SUBD	date	1-9-96	
client	CITY OF WASILLA	checked		job no.
		date		195028