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JUN 29 1993

3N/29E/16ad

46231

Umat 5842

STATE OF OREGON WATER WELL REPORT (as required by ORS 537.765)

WATER RESOURCES DEPARTMENT (START CARD) #

(1) OWNER: Name City of Echo, Address P.O. Box 9, City Echo, State OR, Zip 97826

Well Number: 4

(9) LOCATION OF WELL by legal description:

County Umatilla, Township 3N, Range 29E, Section 16, NE 1/4, Tax Lot 3600, Street Address of Well none assigned - Golf Course Road, Echo, Oregon

(2) TYPE OF WORK:

Deepen (checked), Recondition, Abandon

(3) DRILL METHOD:

Other RC Dual Tube Rotary (checked), Rotary Air, Rotary Mud, Cable

(4) PROPOSED USE:

Community (checked), Domestic, Industrial, Irrigation, Thermal, Injection, Other

(5) BORE HOLE CONSTRUCTION:

Depth of Completed Well 1043.5 ft., Explosives used (checked)

Table with columns: HOLE Diameter, SEAL Material, Amount sacks or pounds. Includes cement and LC between 220 & 600.

How was seal placed: Method A (checked), Other poured & probed, Backfill placed from 1043.5 ft. to 1045 ft. Material slough/pea gravel, LCM placed from >220 ft. to <600 ft. Size of gravel 38 sks of 6x9 CSSI

(6) CASING/LINER:

Table with columns: Diameter, From, To, Gauge, Steel, Plastic, Welded, Threaded. Includes casing removed 2 feet of existing and liner except at screens.

Final location of sheets)

(7) PERFORATIONS/SCREENS:

Table with columns: From, To, Slot size, Number, Diameter, Tele/pipe size, Casing, Liner. Includes perforations and screens.

(8) WELL TESTS: Minimum testing time is 1 hour

Pump (checked), Bailer, Air, Flowing Artesian, Yield gal/min, Drawdown, Drill stem at, Time 1 hr.

Temperature of water approx. 75°F, Depth Artesian Flow Found, Was a water analysis done? Yes (checked) By whom Water Food & Research Lab, Did any strata contain water not suitable for intended use? Too little (checked), Salty, Muddy, Odor, Colored, Other

(10) STATIC WATER LEVEL:

195 ft. below land surface, Date 5/19/93, Artesian pressure lb. per square inch.

(11) WATER BEARING ZONES:

Table with columns: From, To, Estimated Flow Rate, SWL. Includes note: The most obvious WB zone encountered in the deepened portion of the well was: 979 to 1039 see (8) see(10)

(12) WELL LOG:

Table with columns: Material, From, To, SWL. Includes note: see attached

Date started 1/25/93, Completed 5/21/93

(unbonded) Water Well Constructor Certification:

I certify that the work I performed on the construction, alteration, or abandonment of this well is in compliance with Oregon well construction standards. Materials used and information reported above are true to my best knowledge and belief.

Signed David Dowell, WWC Number 806, Date 6/18/93

(bonded) Water Well Constructor Certification:

I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. all work performed during this time is in compliance with Oregon well construction standards. This report is true to the best of my knowledge and belief.

Signed Stephen Schneider, WWC Number 649, Date 6/18/93

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City of Echo  
Start Card No. 46231  
by Schneider Drilling Co.  
May 18, 1993

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WATER RESOURCES DEPT.  
SALEM, OREGON

<u>Depth</u>		<u>Description</u>
<u>From</u>	<u>To</u>	
600	607	Basalt, multi-color, soft, vesicular
607	612	Basalt, blackish gray, med
612	643	Basalt, gray, hard, fractured
643	655	Basalt, black, med-soft, fractured
655	660	Basalt, black, med, some fractures
660	690	Basalt, gray, hard
690	712	Basalt, grayish black, med, vesicular
712	725	Basalt, black, fractured
725	757	Basalt, black, fractured, med
757	770	Basalt, gray, fractured, hard
770	785	Basalt, black, vesicular, some frac, hard
785	805	Basalt, gray-green, vesicular, med-soft
805	834	Basalt, black, med
834	840	Basalt, blackish gray, hard
840	861	Basalt, gray, hard
861	865	Basalt, gray, vesicular, med-hard
865	880	Basalt, gray, hard
880	891	Basalt, black, ves, fractured, med-hard
891	898	Basalt, blackish gray, fractured
898	914	Basalt, red-grn w/quartz, soft, some caving
914	920	Basalt, blackish gray, fractured, med
920	935	Basalt, gray, very hard
935	939	Basalt, red-green, vesicular
939	948	Basalt, reddish gray, fractured, med-hard
948	979	Basalt, gray, hard
979	1030	Basalt, multi-clrd, ves, red-brn, med-soft, frac
1030	1039	Basalt, crumbly, multi-clrd, mostly red-brn & gray fractures
1039	1045	Basalt, gray, hard

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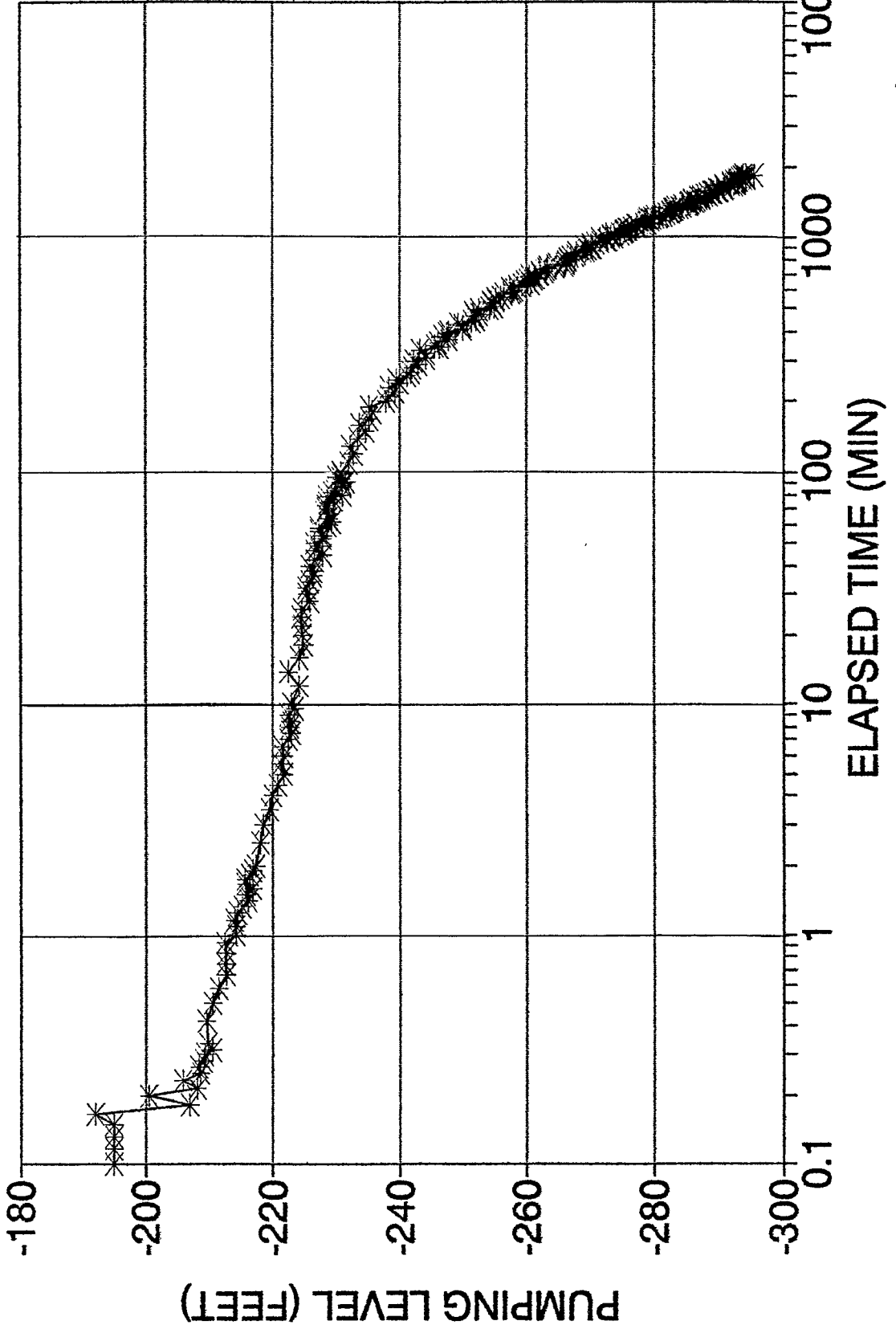
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WATER RESOURCES DEPT  
SALEM, OREGON

# CITY OF ECHO

5/18-19/93 AVG. FLOW 392 GPM-REF 197.5



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WATER RESOURCES DEPT.  
SALEM, OREGON

# CITY OF ECHO

RECOVERY 5-19-93 TO 6-9-93 REF. 197.5

