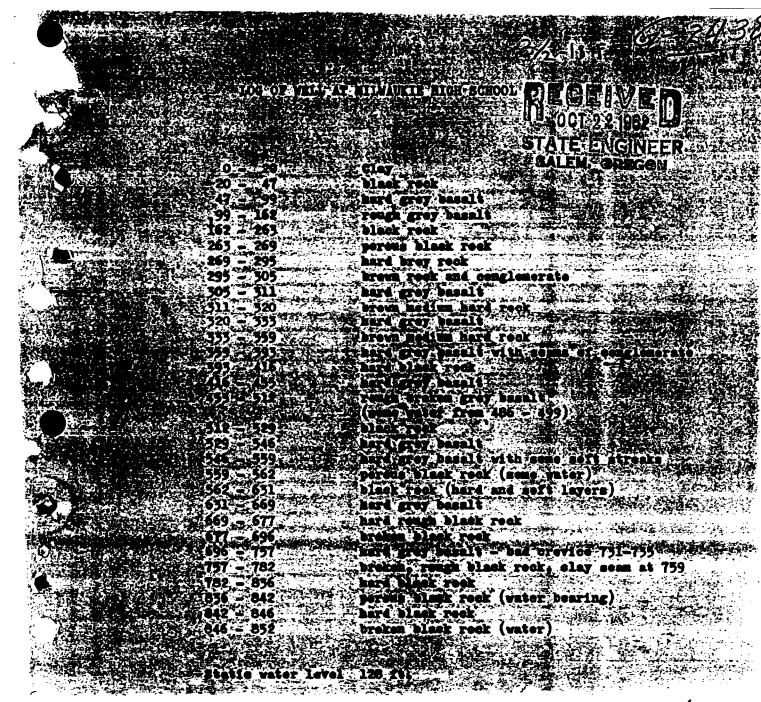
CLAC .

6-2438

NOTICE TO WATER WELL CONTRACTOR 3/2-18 F OCT 22 1984 The original and first copy of this report are to be filed with the WELL REPORT II B STATE OF OREGON CINETASe type or print) STATE ENGINEER, SALEM 10, OREGON within 30 days from the date of well completion. Sec G-2438 State Permit No. (11) WELL TESTS: Drawdown is amount water level is lowered below static level (1) OWNER: MILWAUKIE HIGH SCHOOL DIST. UH#5 Was a pump test made? W Yes 🔲 No If yes, by whom? Name 4/D gal./min. with 256 ft. drawdown after Yield: 2 hrs. (2) LOCATION OF WELL: Bailer test gal./min. with ft. drawdown after hrs. Driller's well number Artesian flow g.p.m. Date T. 14 Section Was a chemical analysis made? Yes Temperature of water □ No Bearing and distance from section or subdivision corner (12) WELL LOG: Diameter of well below casing ND Depth drilled ft. Depth of completed well SOUTH Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation. MATERIAL FROM TO (3) TYPE OF WORK (check): New Well Deepening [Reconditioning [Abandon [] abandonment, describe material and procedure in Item 12. (5) TYPE OF WELL: (4) PROPOSED USE (check): ☐, Driven Rotary Domestic | Industrial | Municipal | Cable Jetted Jetted Bored Irrigation | Test Well | Other (6) CASING INSTALLED: Threaded [] Welded [] 426 st Gage 330 2 Diam. from O _ft, to 20 ft. Gage . 3.79 ft. to " Diam, from ft. Gage RECEIVED (7) PERFORATIONS: Perforated? | Yes | No Type of perforator used **AUG 05 2008** Size of perforations WATER RESOURCES DEPT ... perforations from SALEM, OREGON ft to . perforations from perforations from ... perforations from perforations from .. (8) SCREENS: Well screen installed Yes XNo Manufacturer's Name . WATER RESOURCES DEPT. Model No. 19 G Set from 10 Completed _ Slot size _ _ Set from Date well drilling machine moved off of well (9) CONSTRUCTION: (13) PUMP: CEMENT GROUT Manufacturer's Name Well seal-Material used in seal ... H.P. Water Well Contractor's Certification: Were any loose strata comented off? [] Yes [XNo This well was drilled under my jurisdiction and this report is true to the $\underline{b}\underline{e}$ st of my knowledge and belief. Was a drive shoe used?

Yes No Was well gravel packed?

Yes No Size of gravel: STRASSER Gravel placed from _. ft. to NAME. (Person, firm or corporation) Did any strata contain unusable water? Tyes No Type of water? Depth of strata Method of sealing strata off Drilling Machine Operator's License No. (10) WATER LEVELS: ft. below land surface Date Static level 1962 ľΔ Artesian pressure lbs. per square inch Date Contractor's License No. .. (USE ADDITIONAL SHEETS IF NECESSARY)



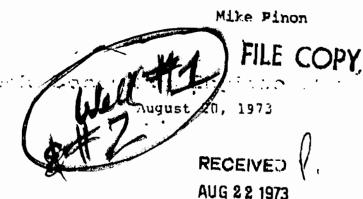
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AUG 05 2008

WATER RESOURCE LIGHT SALEM, OREGON WELL #1

RECEIVED

JUL 1 5 2008
WATER RESOURCES DEPT.
SALEM, OREGON



Mr. Lowell Haines, General Manager Water Well Chemicals Division Compaction Engineering Company 1 First Street Los Altos, California

HORTH CLACHAMAS SCHOOL BISINGS GPERATIONAL SERVICES

Subject: Rex Putnam High School Wells

Dear Mr. Haines:

Thank you for your courtesy on the phone in discussing your LBA Formula for iron bacteria control. The Rex Puther Formal Board has decided to try your formulation for control of Gallionella Bacteria.

The school has two wells

Well No. 1 as follows:

12" diameter casing from

0 to 426'

10" diameter casing from

426' to 520'

10" diameter hole in basalt to

8521

Static water level is

128'

Well No. 2 % as follows: CLACK 04209

diameter casing from

0 to 36'

8" diameter hole in basalt from

36' to 458'

Static water level is

1251

There are pumps in both wells and we would like your recormendations for treatment.

You should be aware that Well No. 1 was used as a durp well from the heat pump with water from Well No. 2. Unfortunately, because of the back pressure in Well No. 1, water was forced up the outside of Well No. 1 casing to pround level. Has this contaminated the well and stratum to the point where it is useless to treat.

RECEIVED

AUG 0.5 2008 WATER RESUL

SALEM, OREGON

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JUL 1 5 2000 WATER RESOURCES DEPT, SALEM, OREGON District 20 Watermaster, Sabrina White 1678 5. Beavercreelo Rd Suite "L' URagon City, UR 97045" Tel: 503-722-1410 FAX: 503-722-5926 The original and first copy of this report are to be filled with the

STATE ENGINEER, SALEM, STEEGON STAIS within 30 days from the data of well completion.

WATER WELL HEI ORT

STATE OF OREGON (Please type or print)

(De mes write above this line) 04209

State Permit No. ..

WNED REX PUTNAM HIGH SCHOOL		
Nome NORTH CLACE AMERS SCHOOL DISTABL	County CLACK Driller's well number 5	409
Address 4444 LAKE ROAD	NE 14 NW4 Section 18 T. 25 R. 2 E.	W.M.
MILLY AUKIE ORE. 97772	Bearing and distance from section or subdivision corner	
(2) TYPE OF WORK (check): WELL NO 2.	Mid-and min characted many accreas at hendlames coulds.	
New Well & Despubling Reconditioning Abundon		
If abandonment, describe material and procedure in Item 12.	(11) thambo represe Constant and	
	(11) WATER LEVEL: Completed well.	•
	webru et almed aundt all trut toque	7/12/
Caple 16ffed memerin Memerin	Static level /75 ft. below land surface. Dat	سد جرد الا ما
Dug 🔲 Bored 🖂 Irrigation 🖂 Test Well 🗇 Other : 🖸	Artesian pressure Ibs. per square inch. De	ta
(5) CASING INSTALLED: Tarondod D Welded	.40 WHE LOD	7
2 - Diam trong O to to 36 tt Gage :217	(12) WELL LOG: Diameter of well below easing	10 00 12
Diem. from	Depth drilled 785 ft. Depth of completed well	
Diam. tron R. to	Formation: Describe color, texture, grain size and structure and show thickness and nature of each attatum and equif	
	with at loss one entry for each change of formation. Report	such change in
(6) PEBFORATIONS: Personnted? Tree KNo.	position of Static Water Land and indicate principal water-	bearing strate.
Type of perforator used		In PAT
Size of perforations in by In.	SEE HITACHED DHAST	
perferations from		
perforations from ft. to		
perforation from		
(7) SCREENS: Well servers installed? Yes XNo		
	DEAFINES -	
Hedel No.	PEUEIVED	
Diary Slot size	AUG OF COOL	
Diam. Siet size Bet from	AUG-0-5-2008	
	WATER-RESOURCES DEPT	
(3). WELL TESTS: Drawdown is amount water level is	SALEM, OREGON	
Was a pump test made! Kree No II you by whom! KELLER	DECEIVED	
Vield: 292 kal./mis. with 15/st. drawdown after of firm.	REVEIVED	
1=1 . //-		
2	JUL 1 5 2008	
200 - 85	WATER RESOURCES DEPT.	
Buffer test gul./mln, with ft. drawdown after hrs.	SALEM OREGON	
Artesian dem g.p.in.	1:10 72	
Temperature of water 5 Depth artesian flow encounteredft.	Work started JUNE 19 1872 Completed July	
(0) CONSTRUCTION:	Date well drilling moddine moved off at well	/ 10 12
('EPIENT PROUT	Drilling Machine Operator's Certification:	
ACII Main-Maille And William de Comment de C	This well was constructed under my direct su Materials used and information reported above are	pervision.
Diameter of well bore to bottom of ecol	has teastlasen and hellet.	
Dismeter of well bore below seal	[Simed] Date Date	1972
Number of seein of coment used in well seed	Drilling Machine Operator's License No.	
Number of sacto of bentonite used in well sed	Drilling Machine Operator's License No.	···· or addle i die II le se
Brend name of bentonite	Water Well Contractor's Certification:	
Number of pounds of bentoute per 100 gations	This well was drilled under my jurisdiction and t	his report is
of water	true to the best of my knowledge and belief.	
• Grive shoe used? D Yes DWo Plugs Size: Jecetion	Name KELLER WELL DRILLING	FOR 1 572 part and an . 46 bit to 0
org souls contain unusable water? [] Tes [1019	Address 5365 SE H. WOOD KOND, M	THE OKE
Type of weller depth of signific	Address	
Method of scaling strate of!	[6]gned]	
Was well gravel parked! You KNo Bits of stavel	A Water Well Contractors	10/2-
Circulation than	Contractor's Ligaries No Date	
	101#7 THLY	24,1972
$\langle \lambda \rangle$	/M / = >	1) 11 - 2
	,	

PAGE 04/06 20010/015

Wall of

Log of Rex Putnam well No. 2

July 1972

top soil	0	-	2	
brown clay	2	_	10	
boutders	10	_	18	
medium hard grey basailt	18	_	25	
hard grey basalt	25	-	46	
brown basalt	46	_	48	
medium hard grey basalt	48	-	53	
black basalt	53	_	74	
medium hard groy basalt	74	_	90	
black basalt	90	_	97	,
medium hard grey basalt	97	-	202 /	Sue 125'
porous gray linsalt, water soggan forthe	202	_	207 4	
hard grey basalt	207	_	215	
broken grey basalt	215			
hard grey boad!	224	- -	263	
broken grey basalt	263	_	270	
porous black bandit	270	_	283	
hard grey besalt	283			
broken brown bushit	332	_	337	
to all manage to any 2 m	337	_	376	
porous grey basalt, water long and there.	376			
hard grey basalt			418	
ried to 121 C.J. Critisiana	418			
medium hard grey basalt	132			
	444			
hard grey basalt make, six test 195 gpm.	475			
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hard grey basait	160	_	116.13	

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WATER RESOURCES DEP SALEM, ORFOR

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JUL 15 2008

WATER RESOURCES DEPT. SALEM, OREGON

PAGE 03/06 1008/015

•	,	K. J. 3	trass er Drilling (o. Will
	:	8110 S.E. SUN	EET LANE DOOTLAND OFFCON A	
Bei	of Atil	(Townson, OREGON Y	DEOEN/ED
Rig No.		TNER! No.		BOOK NORECEIVED
Well Owners	I Wauls .		Tackamas OF ag	JUL 1 5 2008
Lucation				
Shift blg. 1	Dotte	911	DATE TO DATE TO THE TOTAL TO THE TOTAL TOT	WATER RESOURCES DEPT
/ 00 .	<u> </u>	Cr 2 70	. M. Telel Hrs.	Remarks:
FROM	Т0	THICKNESS	FORMATION	
337	376	39	HARD SPET 1325011	Static Water to [1.
-97-6	389	12	FUNDUS JOHN DESAIT WAT	The Alary bigastee \$1000 in.
788	412	34	Hard Star 1505011 Braken men 1 196411 Wal	TP Glader Esting 1 50 PPA Ins.
Doub Books and	367	,	iller & Schnat 4	Ins.
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No. of Foot Drilled	this Shift 43	A He	Iper (KRS. Woh) DEARWAY
Tutal Depth End of	Shift		•	
Diameter End of Sh	151		No. of Bits Changed	AUG 05: 200
Shift Ag. 2	Date	2 1123	July 3 19 73	WATER RESOURCE
1:00 A	. M.	Rived A. 17	MONTH DATE 9	SALEM, OREGO
FROM	70	THICKNESS	FORMATION	122
132	444	17	MAGILIA HELL WAY	3-2 Stolle Heinr Lavelfi.
944	CONT		METT STAY PROCETT	Casing Pinzedft.
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	472		Co Samuel 4	Size of Coulingins.
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No, of Fast Drilled	this Shill 62	He	lper near west	1
Total Dapth End of				
Diameter End of Sh	ifi		No. of Bits Changed	
	20	wr	7419 6 73	
ihi firebo. 3	A Date	65.00	MONTH 04	Remarks:
lrg.	, M,		. M. Total Hrs.	= /22·
FROM	J. J.	THICKNESS	FORMATION	Startz Wolor Level fr.
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, findom of (s) Cusing	A	rail Langth	THE PARTY OF THE CONTROL OF THE COST OF THE PARTY OF	And realist resident

5036586854 08/23/2007 11:40

STEVES PUMP SERVICE Attn: Ed Crane

PAGE 01/06 FAX: 698-3861

STEVE'S PUMP SERVICE, INC.

24300 S.E. Hoffmeister Road Boring, Oregon 97009

503-658-3051

CCB#38208

November 15, 2002

INVOICE 02-750

STEVE HOUGAK, President

NORTH CLACKAMAS SCHOOL DISTRICT 12449 SE Fuller Road Milwaukie, OR 97222-1290

ATTENTION: John Stephens (653-3645

FAX: 503-513-4014

Re: PURCHASE ORDER NO. 301174

WELL SITE: REX PUTNAM HIGH SCHOOL (WELL #2

Service call to load up test equipment and travel to job site and set up on well and lower test equipment in well. Pick up generator and perform flow test on well.

Return and pull test pump equipment and load up and

return to shop and unload.

DEPTH: 488' DIAMETER: 8" STATIC: 25'4" PUMP SETTING: 399'

LABOR AND MATERIALS TO PERFORM ABOVE SERVICES:

BOOM TRUCK RENTAL

LABOR CREW

TEST PUMP EQUIPMENT:

1-Submersible Test Pump/Motor 399'-3" T & C Galvanized Pipe

400'-3/4" Class 200 Airline

1-#6 Splice Kit

1-Flow Meter

400'-#6-4 Submersible Pump Cable

1-Generator Rental for 3 Phase Motor

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TOTAL INVOICE:

\$2,657.00

WATER RESOUNCES DEP'I SALEM, OREGON

FLOW TEST REPORT:

We began pumping this well at 100 GPM with a beginning static level of 25 feet 4 inches. After 4 minutes of pumping, the static level dropped to 290 feet. We reduced the flow to 30 GPM and the static dropped to 369 feet in 11 minutes. We stopped test to let the static level recover. We began pumping again at 50 gallons per minute and static dropped to 393 feet in 15 minutes. We reduced flow to 36 GPM and the static level stabilized at 384 feet. The most you can expect to pump from this well in its current condition is 36 GPM. There is a lot of iron in this well. We are sorry we could not have produced better results for von. Call if you

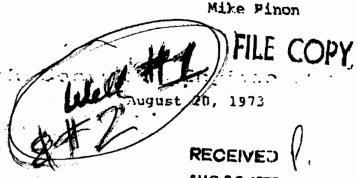
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JUL 15 2008

WATER RESOURCES DEPT. SALEM, OREGON

IUL 1.5 2008 WATER RESOURCES DEPT.



AUG 22 1973

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SPERATORIAL RESTREES

Mr. Lowell Heines, General Hanager Water Well Chemicals Division Compaction Engineering Company 1 First Street Los Altos, California

Subject: Rex Putnam High School Wells

Dear Mr. Haines:

Thank you for your courtesy on the phone in discussing your LBA Formula for iron bacteria control. The Rex Puther Force! Board has decided to try your formulation for control of Gallionella Bacteria.

The school has two wells

Well No. 1 as follows:

12" diameter casing from

to 426'

10" diameter casing from

426' to 520'

10" diameter hole in basalt to

8521

Static water level is

122'

2 as follows: CLACK 04209 Well No.

diameter casing from

to 36'

6" diameter hole in basalt from

36' to 4551

Static water level is

3 25 1

There are pumps in both wells and we would like your recormendations for treatment.

You should be aware that Well No. 1 was used as a durp well from the heat pump with water from Well No. 2. Unfortunately, because of the back pressure in Well No. 1, water was forced up the outside of Well No. 1 casing to ground level. Has this contaminated the well and stretum to the point whose it is useless to treat.

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AUG 0.5 2008

ATER RESOL SALEM, OREGO! District 20 Watermoster Safrina White 1678 5. Beavercreek Rd Suite "L' URagon City OR 97045

Tel: 503-722-1410 FAX: 503-722-5926