

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

CLAC 54999

WELL I.D. # L 33756
 START CARD # 118738

Instructions for completing this report are on the last page of this form.

(1) OWNER: Moana Nursery Well Number _____
 Name Moana Nursery
 Address 24395 S. Barlow Rd.
 City Canby State OR Zip 97013

(2) TYPE OF WORK
 New Well Deepening Alteration (repair/recondition) Abandonment

(3) DRILL METHOD:
 Rotary Air Rotary Mud Cable Auger
 Other Reverse Circulation Rotary

(4) PROPOSED USE:
 Domestic Community Industrial Irrigation
 Thermal Injection Livestock Other

(5) BORE HOLE CONSTRUCTION:
 Special Construction approval Yes No Depth of Completed Well 381 ft.
 Explosives used Yes No Type _____ Amount _____

HOLE			SEAL			
Diameter	From	To	Material	From	To	Sacks or pounds
20	0	18	Bentonite	0	47	211 Sks
18	18	220	Cement	47	170	162 Sks
16	220	450				

How was seal placed: Method A B C D E
 Other Bentonite was poured & Probed

Backfill placed from 393 ft. to 450 ft. Material slough & pea gravel
 Pack CSST placed from 170 ft. to 393 ft. Size of 6x9 and 8x12

(6) CASING/LINER:

Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing: 12	+1.5	211.5	.250	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
12x10 conc. red	211.5	212.4	std	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
10	212.4	393	.279	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
except @ screens. Bottom of 10' has cement & sand plug							
	381	393		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Final location of shoe(s) _____

(7) PERFORATIONS/SCREENS:

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
212.4	225	.060	cont	10	PS	<input type="checkbox"/>	<input type="checkbox"/>
275.5	283.1	.060	cont	10	PS	<input type="checkbox"/>	<input type="checkbox"/>
363.5	373.5	.060	cont	10	PS	<input type="checkbox"/>	<input type="checkbox"/>

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

Yield gal/min	Drawdown	Drill stem at	Time
See attached graphs			1 hr.

Temperature of water 55° F Depth Artesian Flow Found _____
 Was a water analysis done? Yes By whom _____
 Did any strata contain water not suitable for intended use? Too little
 Salty Muddy Odor Colored Other _____
 Depth of strata: _____

(9) LOCATION OF WELL by legal description:
 County Clackamas Latitude _____ Longitude _____
 Township 4S N or S Range 1E E or W. WM.
 Section 21 SE 1/4 NE 1/4
 Tax Lot 100 Lot _____ Block _____ Subdivision _____
 Street Address of Well (or nearest address) 8475 S. Gribble Rd.
Canby, OR 97013

(10) STATIC WATER LEVEL:
74 ft. below land surface. Date 9/13/99
 Artesian pressure _____ lb. per square inch. Date _____

(11) WATER BEARING ZONES:
 Depth at which water was first found 215

From	To	Estimated Flow Rate	SWL
215	223	see (8)	
278	279	See (8)	see (10)
364	373	See (8)	

(12) WELL LOG: Approx 185
 Ground Elevation _____

Material	From	To	SWL
See Attached Log			

RECEIVED

SEP 24 1999

WATER RESOURCES DEPT.
 SALEM, OREGON

Date started 8/5/99 Completed 9/14/99

(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 water supply well construction standards. Materials used and information reported above are true to the best of my knowledge and belief.

Signed [Signature] WWC Number 1367
 Date 9/23/99

(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 water supply well construction standards. This report is true to the best of my knowledge and belief.

Signed [Signature] WWC Number 649
 Date 9/23/99

CUAC 54999

Moana Nursery Well Log

Well ID #L33756 - SC #118738

by Schneider Drilling Co. - 1999

From	To	Description
0	2	Topsoil
2	10	Clay, brown, medium soft
10	15	Sand, medium course
15	26	Clay, grey, soft-med
26	32	Gravel 2"minus, sand, grey, course
32	41	Cobbles gravel & sand, brown
41	57	Clay, grey, medium
57	60	Clay, grey & green, medium soft, some sand
60	67	Clay, blue, soft, some hard layers, flakey
67	114	Clay, grey, soft-med
114	132	Clay, blue, medium, little sandy
132	143	Clay, grey, soft, silty
143	146	Clay, grey, soft, sandy with wood and gravel
146	180	Clay, blue-grey, medium-soft
180	183	Clay, blue, medium-hard
183	196	Clay, green, medium-hard
196	198	Clay, grey, soft, sandy
198	205	Clay, blue & grey, medium
205	215	Clay, grey, soft, sandy
215	223	Sand, medium coarse, and small gravel
223	227	Clay, brown, soft, silty
227	230	Clay, brown, soft with hard layers
230	251	Clay, grey, soft, silty
251	262	Clay, brown, soft, silty with wood
262	264	Clay, light brown, soft, silty
264	265	Clay, blue, silty, soft
265	271	Clay, grey/brown, medium soft
271	278	Clay, blue/green, medium soft
278	279	Sand, med and gravel, small
279	287	Clay, grey, medium
287	300	Clay, blue-brown, medium
300	304	Clay, grey, silty, medium
304	326	Clay, grey, silty with wood, medium

RECEIVED

SEP 24 1999

WATER RESOURCES DEPT.
SALEM, OREGON

CAE 54999

326	337	Clay, grey, sandy, medium
337	347	Clay, blue, soft
347	350	Clay, blue, sandy, with some wood, medium
350	360	Clay, blue, sandy, medium
360	364	Clay, grey, sandy, medium
364	373	Sand, brown, fine with some gravel, small
373	374	Clay, grey, medium, some hard layers
374	376	Clay, blue & grey, soft
376	382	Clay, blue, medium
382	391	Clay, blue, soft & sticky
391	395	Clay, blue & grey, medium, silty, some wood
395	397	Clay, brown, medium
397	400	Clay, blue, hard
400	418	Clay, grey, medium, sticky
418	430	Clay, blue, medium, silty, some hard layers
430	436	Clay, green & white & black mix, soft, some hard layers
436	440	Claystone, multi color, hard, some soft layers
440	446	Basalt, black, medium hard, fractured
446	450	Basalt, black, hard

RECEIVED

SEP 24 1999

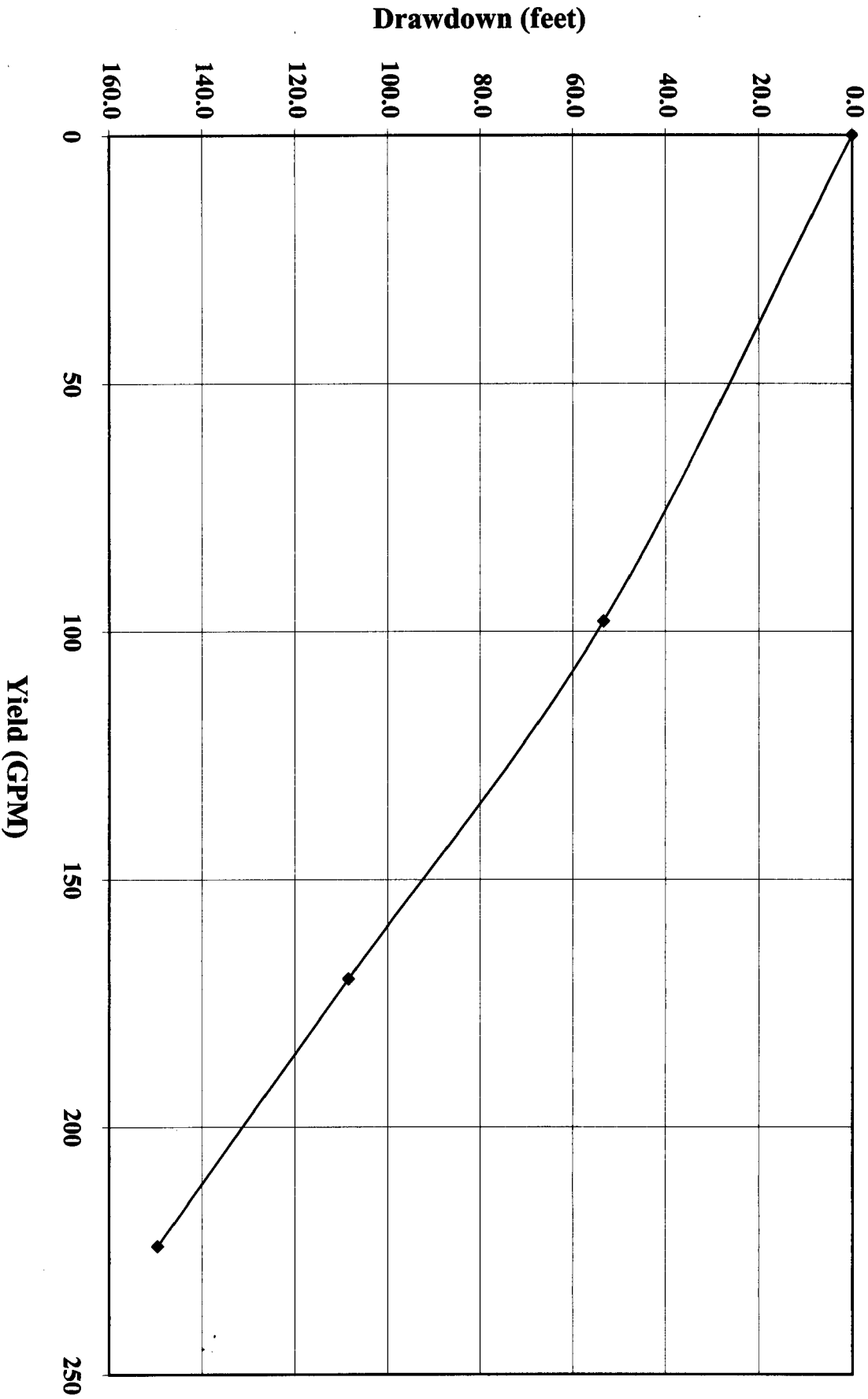
**WATER RESOURCES DEPT
SALEM, OREGON**

SEP 24 1999

RECEIVED

CHAC 541999

**MOANA NURSERY
9/10/99 Step Test - Two Hour Drawdowns**



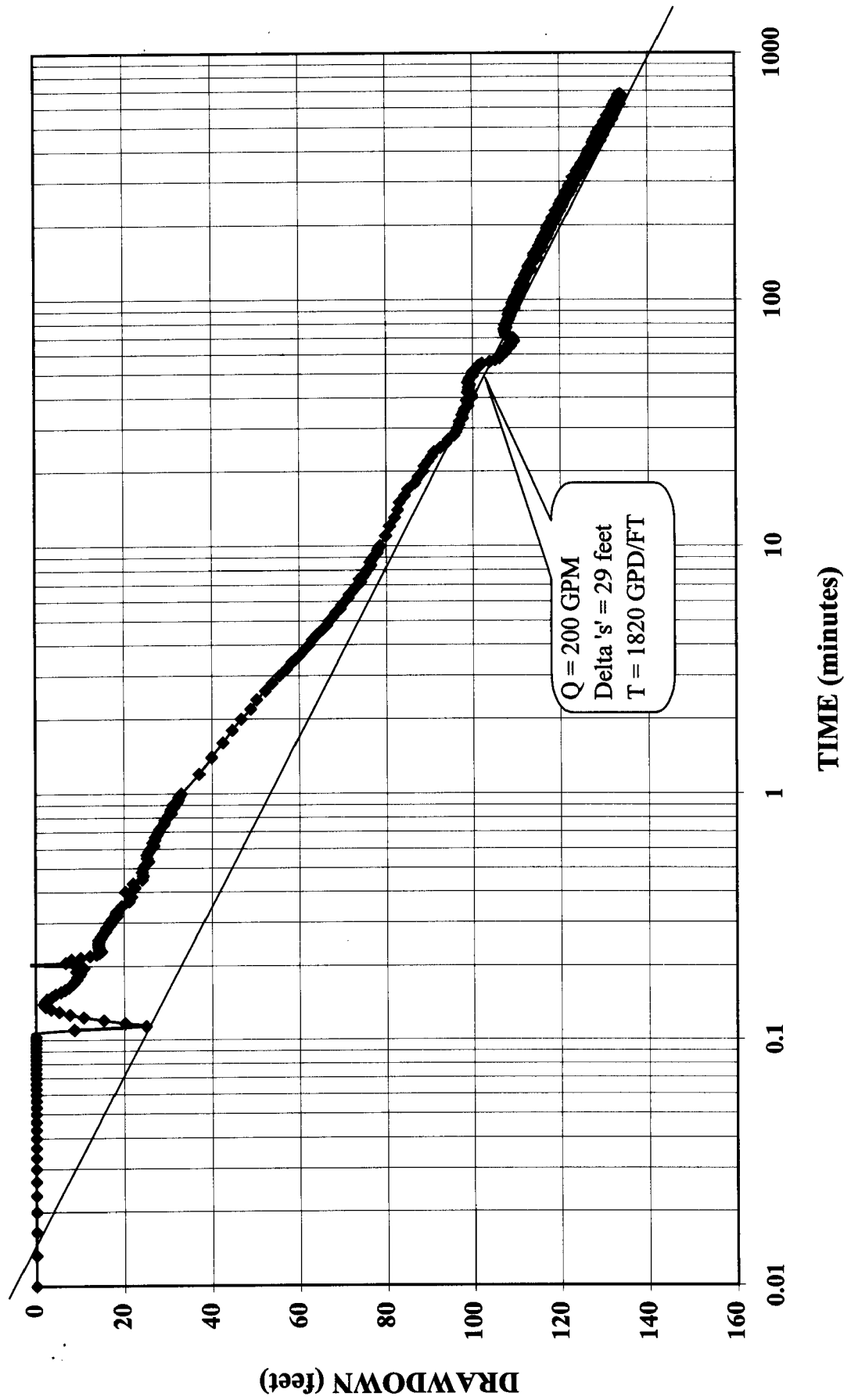
Case 54999

RECEIVED

SEP 24 1999

WATER RESOURCES DEPT
SALEM, OREGON

MOANA NURSERY
9/13/99 PUMP TEST

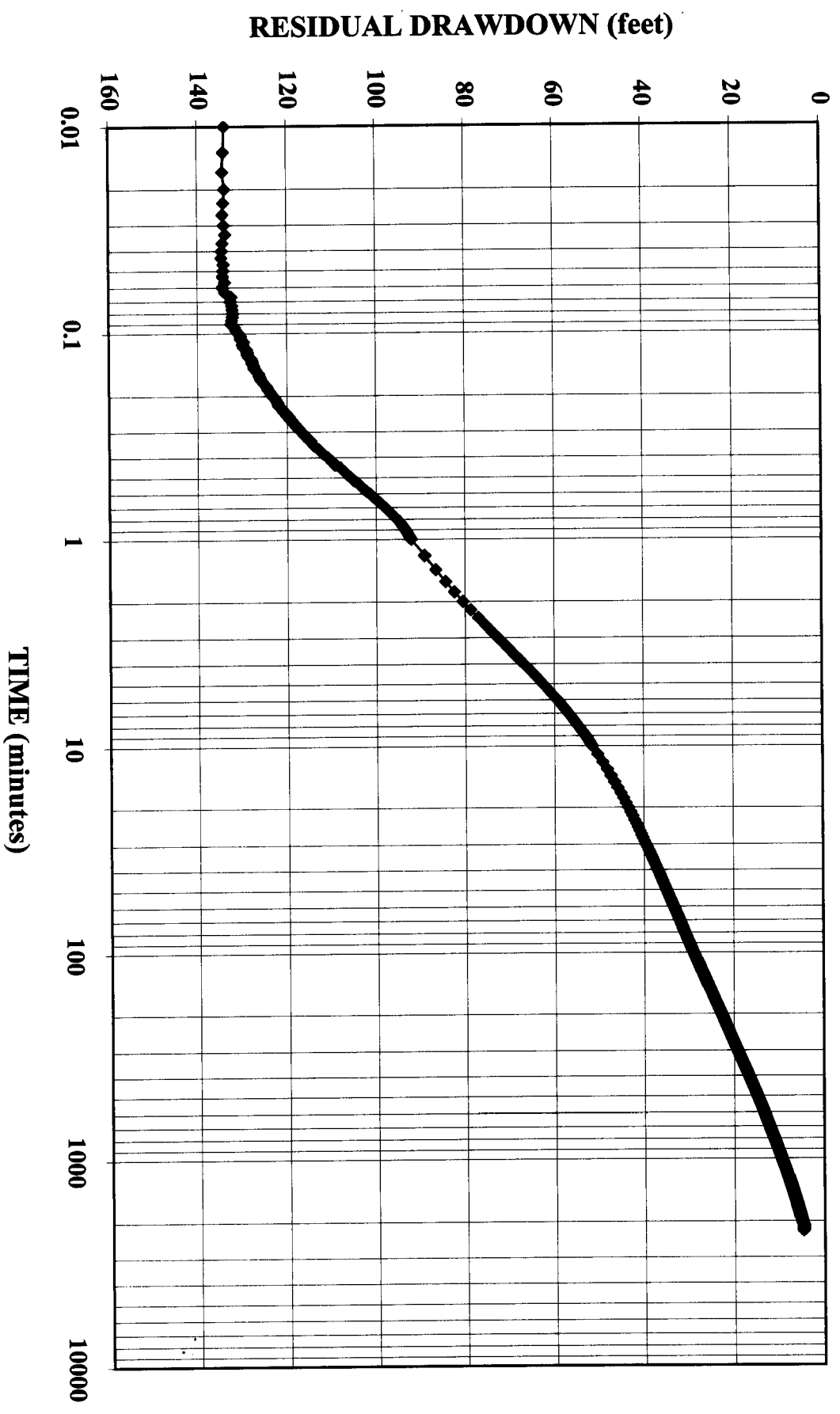


SEP 24 1999

RECEIVED

CWAC 5/10/99

MOANA NURSERY
RECOVERY Beginning 9/13/99



Test data & graphs 9-13 rec graph

Schneider Drilling Co.