

STATE OF OREGON
WATER RESOURCES DEPARTMENT

REQUEST FOR WRITTEN APPROVAL TO USE CONSTRUCTION METHODS NOT
INCLUDED IN THE RULES AND REGULATIONS PRESCRIBING GENERAL STANDARDS
FOR THE CONSTRUCTION AND MAINTENANCE OF WELLS IN OREGON

Before approval can be considered the following questions must be answered.

Requests shall be submitted to the Watermaster Division, 3850 Portland Road,
NE, Salem, OR 97310.

Well #9 Recondition
Start Card 56088

Date: 6/14/95 (confirming prior telcons)

Well Constructor: Schneider Drilling Co.
Steve Schneider WWC 649

(1) Location of Well: SW 1/4 NW 1/4 of Section 32,

Township 38S, Range 9E, Klamath County.

Address at well site or nearest known address: Conger Avenue
Klamath Falls, OR

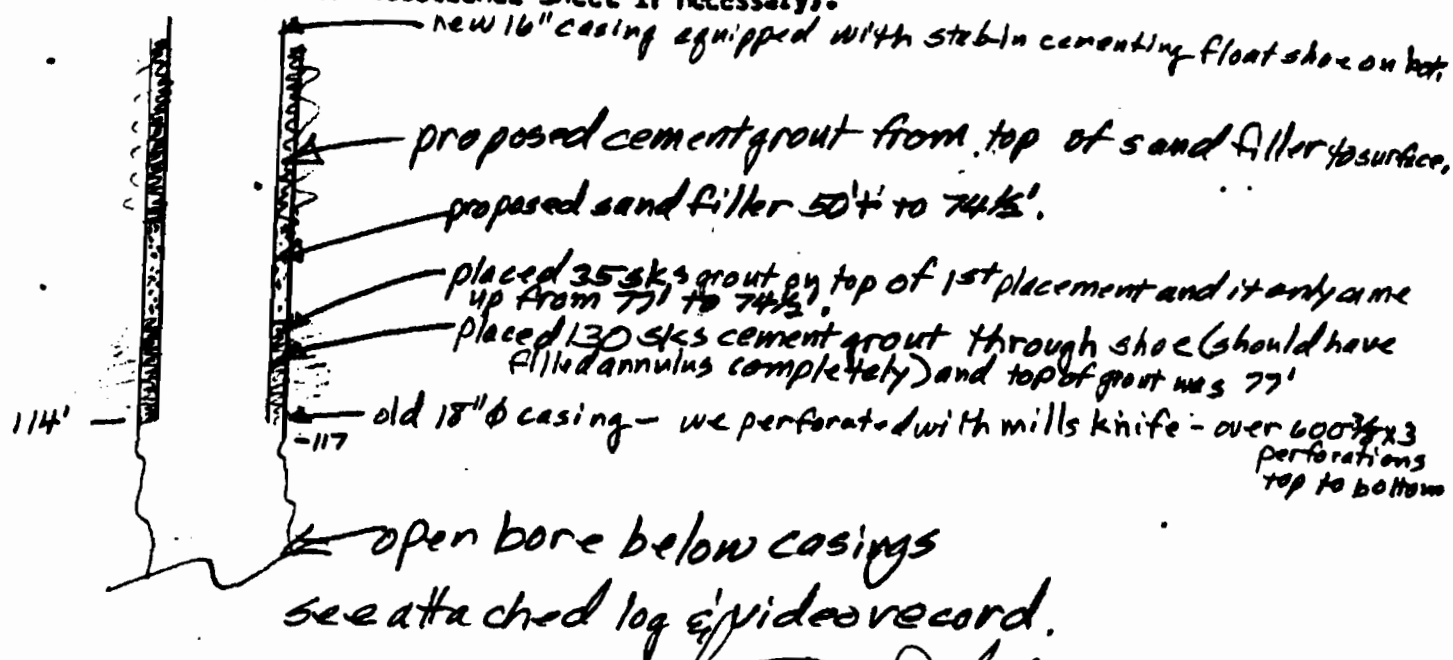
(2) Name and address of Landowner: City of Klamath Falls
PO Box 237
Klamath Falls, OR 97601

(3) The distance to the nearest well and septic drainfield: see attached
map of wells - no known septic in the area.

(4) The unusual conditions existing at the well site: We perforated old
casing, installed new casing inside old, and are experienced
significant and major grout loss during sealing of the new
casing.

(5) The proposed construction methods that the well constructor or landowner
constructing the well believes will be adequate for his particular well:
Place sand filler up to approximately 50' from the (30' below top of cby
top of first 2 grout placements, then (boulder interval)
grout to surface. This results in a part
seal-much better than original while reducing
grout loss that may plug shallow aquifers and
nearby wells. This is recommended by Mark Cumano of Golden Age

- (6) A diagram showing the pertinent features of the proposed well design and construction (attach additional sheet if necessary):



(Signed)

Stephen Schneider
(WELL CONSTRUCTOR)

For Water Resources Department Use Only

Date:

6-16-95

Approved by:

RHthst

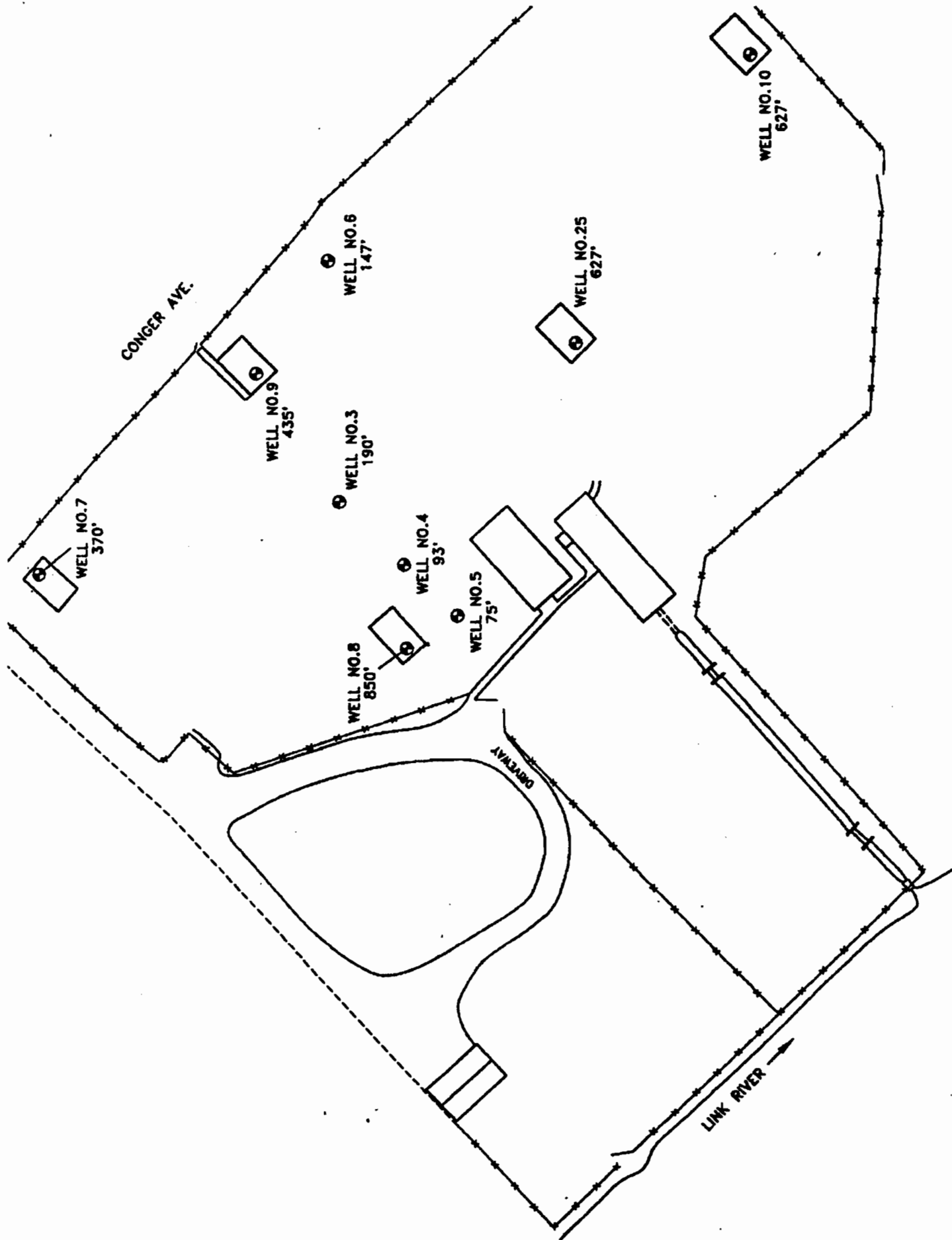
Denied by:

Remarks:

Confirms ~~approval~~ approval via phone

NOTE:

- (1) If approval, all other phases of construction must be in compliance with State Well Construction Standards.
- (2) If it should be determined at some future date that the well, due to its construction, is offering an avenue for pollution of the ground water body, it will be necessary for you to return to the site to correct any well deficiencies.



File Original and
Duplicate with the
STATE ENGINEER
SALEM, OREGON

STATE OF OREGON

Date Well No. 954 27

State #9 756

(1) OWNER:

Name OREGON WATER CORPORATION
Address 650 CONGER AVENUE
KLAMATH FALLS, OREGON

(2) LOCATION OF WELL:

County KLAMATH Owner's number, if any—
S.W. 1/4 N.W. 1/4 Section 32 T. 38 S. R. 9 E. W.M.
Bearing and distance from section or subdivision corner
2163.27' S. 1742.60' W. from the N.E. corner
of section 32, T. 38 S. R. 9 E. W.M.

(3) TYPE OF WORK (check):

New Well ☒ Deepening ☐ Reconditioning ☐ Abandon ☐
If abandonment, describe material and procedure in Item 11.

(4) PROPOSED USE (check):

Domestic ☐ Industrial ☐ Municipal ☒
Irrigation ☐ Test Well ☐ Other ☐

(5) TYPE OF WELL:

Rotary ☐ Driven ☐
Cable ☒ Jetted ☐
Dug ☐ Bored ☐

(6) CASING INSTALLED:

Threaded ☐ Welded ☒
18.00" Diam. from plus 1 ft. to 117 ft. Gage 1/4"
" Diam. from ft. to ft. Gage
" Diam. from ft. to ft. Gage

(7) PERFORATIONS:

Perforated? ☐ Yes ☒ No

Type of perforator used

SIZE of perforations	in. by	in.
perforations from	ft. to	ft.
perforations from	ft. to	ft.
perforations from	ft. to	ft.
perforations from	ft. to	ft.
perforations from	ft. to	ft.

(8) SCREENS:

Well screen installed ☐ Yes ☒ No

Manufacturer's Name

Type Model No.
Diam. Slot size Set from ft. to ft.
Diam. Slot size Set from ft. to ft.

(9) CONSTRUCTION:

Was well gravel packed? ☐ Yes ☒ No Size of gravel: ft.
Gravel placed from ft. to ft.
Was a surface seal provided? ☐ Yes ☒ No To what depth? ft.
Material used in seal—
Did any strata contain unusable water? ☐ Yes ☒ No
Type of water? Depth of strata
Method of sealing strata off

(10) WATER LEVELS:

Static level 0" at below land surface Date 6/5/58
Artesian pressure lbs. per square inch Date

Log Accepted by:

(Signed) *James D. [Signature]* Date June 9, 1958
(Owner)

(11) WELL LOG:

water level is lowered below static level

Was a pump test made? ☒ Yes ☐ No If yes, by whom? Interstate
Yield: 4500 gal./min. with 41 1/2 ft. drawdown after 4 hrs.

Bailer test gal./min. with ft. drawdown after hrs.

Artesian flow g.p.m. Date

Temperature of water 68 Was a chemical analysis made? ☐ Yes ☒ No

(12) WELL LOG:

Diameter of well 18" inches

Depth drilled 435 ft. Depth of completed well 435 ft.

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
top soil	0	7
brown basalt boulders	7	30
clay and boulders	30	80
boulders and clay (water flow)	80	85
clay and boulders	85	98
basalt boulders (reduced hole 20 to 18 @ 97')	98	100
black basalt	100	185
gray basalt	185	227
brown sticky shale with rock shells	227	276
blue shale	276	295
brown sticky shale	295	331
brown sticky shale with rock shells	331	362
black basalt (water flow)	362	368 1/2
broken hard basalt	368 1/2	377
hard conglomerate	377	385
yellow clay	385	388
basalt orifice	388	391
sticky brown shale with rock shells	391	424
black basalt	424	435

Work started 2/28/58 19 Completed 6/5/58 19

(13) PUMP:

Manufacturer's Name
Type: H.P.

Well Driller's Statement:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME E.E. Storey Well Drilling
(Person, firm, or corporation) (Type or print)

Address 4237 Summers Lane, Klamath Falls

Driller's well number

(Signed) *E.E. Storey* (Well Driller)

License No. 74 Date 6/8, 1958

(USE ADDITIONAL SHEETS IF NECESSARY)

VIDEO SURVEY REPORT

(800) 445-9914

● Bakersfield ● Salinas ● Claremont ● Arizona ● Sacramento ● Washington

Customer <u>GOLDER ASSOCIATES, INC.</u>	Job No. <u>22509</u>	Run No. <u>ONE</u>
Address <u>4104 148th AVE. NE</u>	Well No. <u>9</u>	Date <u>12-22-1994</u>
City <u>REDMOND</u> State <u>WA.</u> Zip <u>98052</u>	Location <u>CONGER WELL FIELD IN THE CITY OF</u>	
Request By <u>MARK CUNNANE</u> Cust. P.O. <u>943-1695, 001</u>	<u>KLAMATH FALLS, OREGON</u>	
Copy To _____	Zero Datum <u>TOP OF 18" CASING</u>	
Reason for Survey <u>GENERAL INSPECTION</u>	Survey By <u>WILLIAM CHRISTY</u> Truck No. <u>T-04</u>	

[illegible]

RECEIVED
JAN -3 1995
Golder Associates

CASING CONDITION:

SEE NOTE:

10 at Surface 17.5" Reduces to _____ at _____ : _____ at _____ : _____ at _____

Diameter Reference: ☐ Caliper Survey ☐ Estimate from TV/Photo Survey ☒ Well RecordsCorrosion/Incrustation Build-up ☐ Light ☐ Moderate ☒ Heavy ☐ Increases with Depth

Recommendation: ☐ Clean ☐ Swage ☐ Liner(s)

C
O
P
Y

JOB NO. 58 K-1 #49

WELL #9

LOG

E. E. STOREY
Well Drilling
4237 Summers Lane
Klamath Falls, Oregon

Started 2/28/58
Finished 6/5/58

0'	to	7	top soil
7	-	30	brown basalt boulders
30	-	80	clay and boulders
80	-	85	boulders and clay (water flow)
85	-	96	clay and boulders
96	-	100	basalt boulders (reduced hole 20" to 18" at 97') 17.50D Bit
100	-	117	Black basalt (bottom of casing)
117	-	121	black basalt (water flow)
121	-	138	black basalt boulders, raveling bed
138	-	145	black basalt, no cuttings
145	-	151½	black basalt
151½	-	153	black basalt, no cuttings
153	-	169½	black basalt
169½	-	185	black basalt, no cuttings
185	-	227	gray basalt
227	-	276	brown sticky shale with rock shells
276	-	295	blue shale
295	-	331	brown sticky shale (Bit was 17.5 O.D. Here)
331	-	362	brown sticky shale with rock shells
362	-	368½	black basalt (water flow)
368½	-	377	broken hard basalt
377	-	385	hard conglomerate
385	-	388	yellow clay
388	-	391	basalt crevice
391	-	424	sticky brown shale with rock shells
424	-	435	black basalt

(Bit was approx 17" when well was finished)

Static water level 1½' top of casing
- 118' of 18" OD x ½" wall casing with Heaton shoe
Pumped 4500 GPM @ 43'
Temperature of water 68 degrees
938½ hours drilling time

COPY