



REPLY TO: 2540

DATE: March 9, 1993

Ms. Martha O. Pagel, Director
Oregon Dept. of Water Resources
3850 Portland Road NE
Salem, OR 97310

0393

FORRESTER
2/10/93

Dear Ms. Pagel:

This letter is our formal objection to the Unsatisfactory Reports of Technical Review for Water Use Permits and the Director's recommendation that application File Nos. G-11103 (Diamond Lake and Broken Arrow Campground domestic wells) and 66951 (Thorne Prairie Livestock Allotment) for water use permits be denied. These applications for water rights were filed (and priority dates were assigned) in 1983, 5 years before designation of the North Umpqua Scenic Waterway affected availability in the basin. The Diamond Lake wells serve thousands of recreational users every year. The Thorne Prairie water source serves another important National Forest use and protects water quality in Loafer Creek near the point of diversion by attracting livestock to water at an out-of-channel location. We believe that the deep wells at Diamond Lake and Loafer Creek (which does not have a surface connection from our point of diversion to the North Umpqua River) do not have a significant hydraulic connection to surface waters of the North Umpqua. It is these surface waters that the scenic waterway assessment is intended to protect.

We offer the following reasons for our objection and wish to resolve any remaining differences through alternative dispute resolution. As mentioned below, we may be able to provide additional evidence at that time.

1. Applications G-11103 and 66951 were filed and given priority dates on September 29, 1983. The Department did not act until January 5, 1993, to determine whether permits could be issued. The North Umpqua Scenic Waterway was designated in 1988, and the Scenic Waterway flow requirements were approved by the Commission in 1992 (not 4/19/91 as shown in the Technical Review).

Other applications filed in 1983 or later were issued permits. For example, permits were issued on Applications 66950 and 66952 (Umpqua National Forest, September 29, 1983), Application 63001 (Diamond Lake Improvement Company, February 23, 1985), and Permit 50222 (Oregon Department of Transportation, November 23, 1987).

2. In our comment letter on the North Umpqua Scenic Waterway Assessment dated April 24, 1992, (attached), we asked that the assessment allow for domestic water for existing and future recreation in the basin.





3. The applications are for water which has no significant hydraulic connection to surface waters of the North Umpqua River. Well logs are attached which show that static water levels in North and South Diamond Lake wells (Application G-11103) are 128 feet and 61 feet, respectively, below land surface. The surface of Diamond Lake is very near the land surface elevation of both wells, and the maximum depth of the lake is 50 feet.

Loafer Creek does not flow on the surface, downstream of the point of diversion (Application 66951).

We will be glad to furnish the location of surface water in Loafer Creek. If necessary, we may provide additional information and testing of the Diamond Lake wells and a geologist's investigation.

4. High public interest exists in the Diamond Lake Campground water uses. If necessary, we believe the uses can be conditioned to protect instream values. In the case of Application 66951, it may be possible to transfer an existing water right certificate without changing the amount of water in the North Umpqua River.

We request an opportunity to submit additional evidence during alternative dispute resolution and to have that evidence considered during appeal if resolution is not reached. Please send us copies of all information and correspondence in your files for Applications G-11103 and 66951. We believe that the reasons given in this letter and other evidence will show that the water availability analysis (and Scenic Waterway Assessment) can be improved, that the technical review is defective, and/or that alternatives exist to provide water for these important uses. Please contact Mikeal Jones, Hydrologist, at (503) 672-6601 for further information.

Sincerely,

DON OSTBY
Acting Forest Supervisor

Enclosures

cc: Diamond Lake RD
R. Arney, Recreation Staff Officer

Watermaster
Justice Building, Room 103
Roseburg, OR 97470

MJ:aw



NOTICE TO WATER WELL CONTRACTOR

The original and first copy of this report are to be filed with the

WATER WELL REPORT

STATE OF OREGON

(Please type or print) (Do not write above this line)

State Well No. 28/6E-21

State Permit No.

STATE ENGINEER, SALEM, OREGON within 30 days from the date of well completion.

RECEIVED STATE ENGINEER SALEM, OREGON DEC 8 1969

(1) OWNER: SALEM, OREGON

Name U. S. & Dept. of Agriculture Address Forest Service, Gen. Del. Diamond Lake, Ore. 97731

(2) TYPE OF WORK (check): New Well [X] Deepening [] Reconditioning [] Abandon []

(3) TYPE OF WELL: (4) PROPOSED USE (check): Rotary [] Driven [] Jetted [] Bored [] Domestic [] Industrial [] Municipal [] Irrigation [] Test Well [] Other [X]

CASING INSTALLED: 12" Diam. from 0 ft. to 98 ft. Gage # 330 12" Diam. from 98 ft. to 109 ft. Gage # 440 10" Diam. from -1 ft. to 170 ft. Gage # 330

PERFORATIONS: Perforated? [] Yes [X] No. Type of perforator used Size of perforations in. by in. perforations from ft. to ft.

(7) SCREENS: Well screen installed? [] Yes [X] No Manufacturer's Name Type Model No. Diam. Slot size Set from ft. to ft.

(8) WATER LEVEL: Completed well. Static level 61 ft. below land surface Date 11/15/69 Artesian pressure lbs. per square inch Date

(9) WELL TESTS: Drawdown is amount water level is lowered below static level Was a pump test made? [] Yes [] No If yes, by whom? Yield: 30 gal./min. with 11 ft. drawdown after 1 hrs.

(10) CONSTRUCTION: Well seal—Material used bentonite Depth of seal 18 ft. Diameter of well bore to bottom of seal in. Were any loose strata cemented off? [X] Yes [] No Depth 109ft.

(11) LOCATION OF WELL:

County Douglas Driller's well number 1/4 1/4 Section 21 T. 28S R. 6E W.M. Bearing and distance from section or subdivision corner

(12) WELL LOG: Diameter of well below casing 12" Depth drilled 200 ft. Depth of completed well 200 ft.

Formation: Describe color, texture, grain size and structure of materials; and show thickness and nature of each stratum and aquifer penetrated, with at least one entry for each change of formation. Report each change in position of Static Water Level as drilling proceeds. Note drilling rates.

Table with columns: MATERIAL, From, To, SWL. Rows include: brown top soil, pumice, black volcanic sand with pumice, sand & gravel with pumice, sand & gravel, pumice, flowing sand & small gravel with pumice, coarse sand & gravel with water, brown tuff, black volcanic sand with red cinder & basalt pebbles, black broken lava with red cinder, hard blue grey basalt, black lava, flowing coarse lava sand, black & basalt garvel, broken basalt.

Work started 10/12/69 19 Completed 11/23/69 19 Date well drilling machine moved off of well 11-26-69 19

Drilling Machine Operator's Certification: This well was constructed under my direct supervision. Materials used and information reported above are true to my best knowledge and belief. [Signed] P. Hall Date 12/3/69 (Drilling Machine Operator)

Drilling Machine Operator's License No. 75

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. NAME Rotary Drilling Co. (Person, firm or corporation) (Type or print) Address 1044 W. 12th, Medford, Ore. 97501 [Signed] P. Hall (Water Well Contractor) Contractor's License No. 338 Date 12/3/69 19

The original and first copy of this report are to be filed with the

RECEIVED
OCT 6 1970

WATER WELL REPORT
STATE OF OREGON
(Base type or print)

RECEIVED
OCT 14 1970

Well No. 477
Permit No.

STATE ENGINEER, SALEM, OREGON
within 30 days from the date of well completion.

STATE ENGINEER
SALEM, OREGON

STATE ENGINEER
SALEM, OREGON

(1) OWNER:

Name **UMPOUA NATIONAL FOREST- DIAMOND LAKE**
Address **U.S. FOREST SERVICE - P.O. BOX 1008**
ROSEBURG, OREGON

(2) TYPE OF WORK (check):

New Well Deepening Reconditioning Abandon
If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:

Rotary Cable Plug
Driven Jetted Bored

(4) PROPOSED USE (check):

Domestic Industrial Municipal
Irrigation Test Well Other

CASING INSTALLED:

12" Diam. from 0 ft. to 119 1/2 ft. Gage .330
10" Diam. from 107 ft. to 245 ft. Gage .307

PERFORATIONS:

Type of perforator used **TORCH**
Size of perforations 1/2 in. by 2 in.
2080 perforations from 115 ft. to 245 ft.

(7) 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.

(8) WELL TESTS:

Drawdown is amount water level is lowered below static level
Was a pump test made? Yes No If yes, by whom? **CARTER'S**
Yield: **330** gal./min. with **105** ft. drawdown after **7** hrs.
Ballor test **50** gal./min. with **22** ft. drawdown after **2** hrs.
Artesian flow g.p.m.
Temperature of water **50°** Depth artesian flow encountered ft.

(9) CONSTRUCTION:

Well seal—Material used **CEMENT**
Well sealed from land surface to **33** ft.
Diameter of well bore to bottom of seal **16** in.
Diameter of well bore below seal **12** in.
Number of sacks of cement used in well seal **29** sacks
Number of sacks of bentonite used in well seal
Brand name of bentonite
Number of pounds of bentonite per 100 gallons of water lbs./100 gals.
Was a drive shoe used? Yes No Plugs Size: location ft.
Did any strata contain unusable water? Yes No
Type of water? depth of strata
Method of sealing strata off
Was well gravel packed? Yes No Size of gravel:
Gravel placed from ft. to ft.

(10) LOCATION OF WELL:

County **D OUGLAS** Driller's well number
1/4 Section **9 15** T. **28S** R. **5 1/2 E** W.M.
Bearing and distance from section or subdivision corner

(11) WATER LEVEL: Completed well.

Depth at which water was first found **219** ft.
Static level **128** ft. below land surface. Date **10-5-67**
Artesian pressure lbs. per square inch. Date

(12) WELL LOG:

Diameter of well below casing **12**
Depth drilled **250** ft. Depth of completed well **250** ft.
Formation: Describe color, texture, grain size and structure of materials; and show thickness and nature of each stratum and aquifer penetrated, with at least one entry for each change of formation. Report each change in position of Static Water Level and indicate principal water-bearing strata.

MATERIAL	From	To	SWL
TOP SOIL	0	4	
RED LAVA-LARGE COBBLES	4	27	
LOOSE GRAY LAVA	27	61	
GRAY/RED TRACES OF LAVA	61	110	
BLACK LAVA ASH	110	119	
GRAY/RED TRACES OF LAVA	119	185	
GRAY/RED CINDERS	185	225	
RED/BROWN CINDERS	225	250	128

Work started **8-7-67** 19 Completed **10-5-67** 19
Date well drilling machine moved off of well **10-5-67** 19

Drilling Machine Operator's Certification:

This well was constructed under my direct supervision. Materials used and information reported above are true to my best knowledge and belief.
[Signed] *James J. Carter* Date **10-20-** 19**67**
(Drilling Machine Operator)
Drilling Machine Operator's License No. **148**

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.
Name **CARTER'S DRILLING & PUMP SERVICE**
(Person, firm or corporation) (Type or print)
Address **325 SO. 2ND ST., SPRINGFIELD, OREGON**
[Signed] *James J. Carter*
(Water Well Contractor)
Contractor's License No. **126** Date **10-20-** 19**67**

REPLY TO: 2540

DATE: April 24, 1992

Mr. Bill Fujii, Recreation Coordinator
Oregon Water Resources Department
3850 Portland Road NE
Salem, OR 97310

Dear Mr. Fujii:

Thank you for meeting with us last week concerning the North Umpqua River Scenic Waterway Assessment. Umpqua National Forest Representatives Mikeal Jones and James Stone attended the agency and public meetings you held on April 9, 1992. The assessment proposes preliminary scenic waterway flows of 890 cubic feet per second measured on the North Umpqua above Copeland Creek from July through November and 1,020 cfs measured above Rock Creek (gage discontinued 1945) from July through October. Applications for new water uses would not be approved if they would reduce flows below these levels. This letter is our formal comment on the assessment.

1. We urge you to consider information collected in the future before issuing instream water rights for fish, recreation, or water quality on the North Umpqua River.

We appreciate the necessity of establishing "Diack flows" on the scenic waterways and the difficulty establishing fish and recreation-dependent flows. The Umpqua National Forest will sign a management plan soon for the North Umpqua National Wild and Scenic River, and we propose monitoring flow-dependent uses. Pacific Power also plans instream flow studies of fish and recreation values over the 5-year relicensing study of their Toketee hydroelectric project (beginning the summer of 1992).

2. There is presently no stream gage immediately above Rock Creek on the North Umpqua River. We request that the Preliminary Flow Assessment for the Scenic Waterway reach from Steamboat Creek to Rock Creek, be administered according to the assessment preliminary flows you proposed for the upper reach, measured at Gage #14316500 North Umpqua above Copeland Creek.

Administering assessment flows from the single gaging station above Copeland Creek will require an initial assumption that, for example, when the upper reach is flowing 890 cfs, the lower reach flows are at least 1,020 cfs. Since the lower reach flows are based on fishery values only, future work may identify different recreation-related flows. The Preliminary Scenic Waterway Flows above Rock Creek should be based on boating experiences between Steamboat Creek and Rock Creek, a wider, shallower reach. The North

Umpqua Wild and Scenic Management Plan, if approved, proposes a stream gage on the North Umpqua above Rock Creek and administration based on that location could begin when the gage is installed.

3. Finally, we ask that you consider domestic water for existing and future recreation in the basin, as well as flow-dependent recreation, before instream water rights are issued.

If you have any questions, please contact Mikeal Jones.

Sincerely,


LEE F. COONCE
Forest Supervisor