



## Water Resources Department

3850 PORTLAND ROAD NE, SALEM, OREGON 97310

PHONE 378-3739

November 29, 1988

Kevin McKenna  
Oelke Drilling Co.  
4312-166th Avenue E.  
Sumner, WA 98390

Dear Kevin:

This letter is responding to your letter of November 9, 1988. In your letter (which is attached) you describe how the Nike well is to be completed.

The construction method listed is what was agreed upon. As with my earlier, you will continue to be held responsible if, due to its construction, the well becomes a source of contamination, waste or loss of artesian pressure.

If you have questions regarding this well please give me a call.

Sincerely,

THOMAS J. PAUL  
Manager  
NW Region

TJP:wpc  
T4nike

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NOV 16 1988

WATER RESOURCES DEPT.  
SALEM, OREGON

Kevin McKenna - Oelke Drilling Co.  
Joint Venture  
4312-166th Avenue E.  
Sumner, WA 98390

November 9, 1988

State of Oregon  
Water Resources Department  
3850 Portland Road, N.E.  
Salem, OR 97310

Subject: Special Sealing Standards  
Well Location: SE 1/4, SE 1/4, Sec 5, T 1S, R 1W

Attn: Mr. Tom Paul, NW Regional Manager

Dear Mr. Paul:

This letter confirms the telephone conversation held this date between yourself and Bob Strasser of NIKE, Inc. concerning the sealing of the flowing artesian well on the above referenced property.

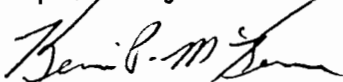
Mr. Strasser has indicated you had agreed to allow us to remove all 8 5/8' O.D. pipe from the well above the 300 ft. depth. This will allow for a full 100ft. of grout in the annulus between the bottom of the 12 3/4' O.D. pipe at 400 ft. and the top of the cut off of the 8 5/8' O.D. pipe at 300 ft.

Further, it was agreed we would jet a grout pipe beyond the inflatable packer at the 420 foot depth and commence grouting below the bottom of the packer.

After this grouting is completed, we shall jet a grout pipe beyond the bottom of the inside of the 16" O.D. casing the 12 3/4' I.D. casing. We shall pressure grout this annulus as we remove the 16" O.D. temporary casing.

We hope this letter confirms your conversation with Mr. Strasser.

Respectfully submitted,



Kevin McKenna - WWC 1491



## Water Resources Department

3850 PORTLAND ROAD NE, SALEM, OREGON 97310

PHONE 378-3739

October 19, 1988

Keven McKenna  
4312 166th Avenue E.  
Sumner, WA 98390

Dear Kevin:

I have reviewed your request for an alternate method of completing the Nike well, located in Sec 5, T 1 S, R 1 W, WM.

I am approving your request as submitted with the exception of requiring a fifty foot neat cement seal between 925' and 975'. As required in the well construction rules, the 8 5/8" casing is to be centered. Centering is especially important in the bottom 50'.

If aquifer testing produces less than 400 gpm, the 8 5/8" casing will extend from 975' to 1' above land surface. The 12" casing will be removed and a neat cement seal will be placed around the outside of the casing 8 5/8" between 975' and 925' and from 420' to land surface.

This method of construction does not conform to the minimum well construction standards. You assured me the proposed construction method will protect the resource. Following construction, if the well is found to be a source of contamination, waste of loss of artesian pressure, you will be required to return to the well site and either repair or abandon the well.

Please contact me prior to placement of the grout seals and prior to cutting any casing. Also contact me if you have questions on this approval.

Sincerely,

THOMAS J. PAUL  
Manager  
NW Region

TJP:wpc

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OCT 17 1988

WATER RESOURCES DEPT.  
SALEM, OREGON

Kevin McKenna - Oelke Drilling Co.  
Joint Venture  
4312-166<sup>th</sup> Avenue E.  
Sumner, WA 98390

October 11, 1988

State of Oregon  
Water Resource Department  
3850 Portland Road, N. E.  
Salem, OR 97310

Subject: Special Sealing Standards Request  
Well Location: SE 1/4, SE 1/4, Sec 5, T 1S, R 1W

Attn: Mr. Tom Paul, NW Region Manager

Dear Mr. Paul,

The enclosed drawing describes the grouting and sealing procedures we proposed to use in completing the above referenced well being drilled on the Nike World Headquarters property.

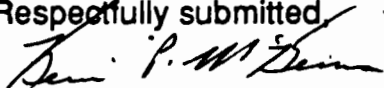
The first four hundred feet of the well was drilled with the air rotary method. Other than the surface water encountered in the first eighteen feet of drilling, no water has been encountered in the drilling of the impervious clay and shale strata extending to the basalt rock.

The owner does not wish to grout the 8 5/8" O.D. casing from the top of the well to its landing depth at least twenty feet into the basalt. In case no water, or if salt water is encountered in the basalt, the owner will want to salvage all casing above the grout seal at the bottom of the 8 5/8" O. D. pipe.

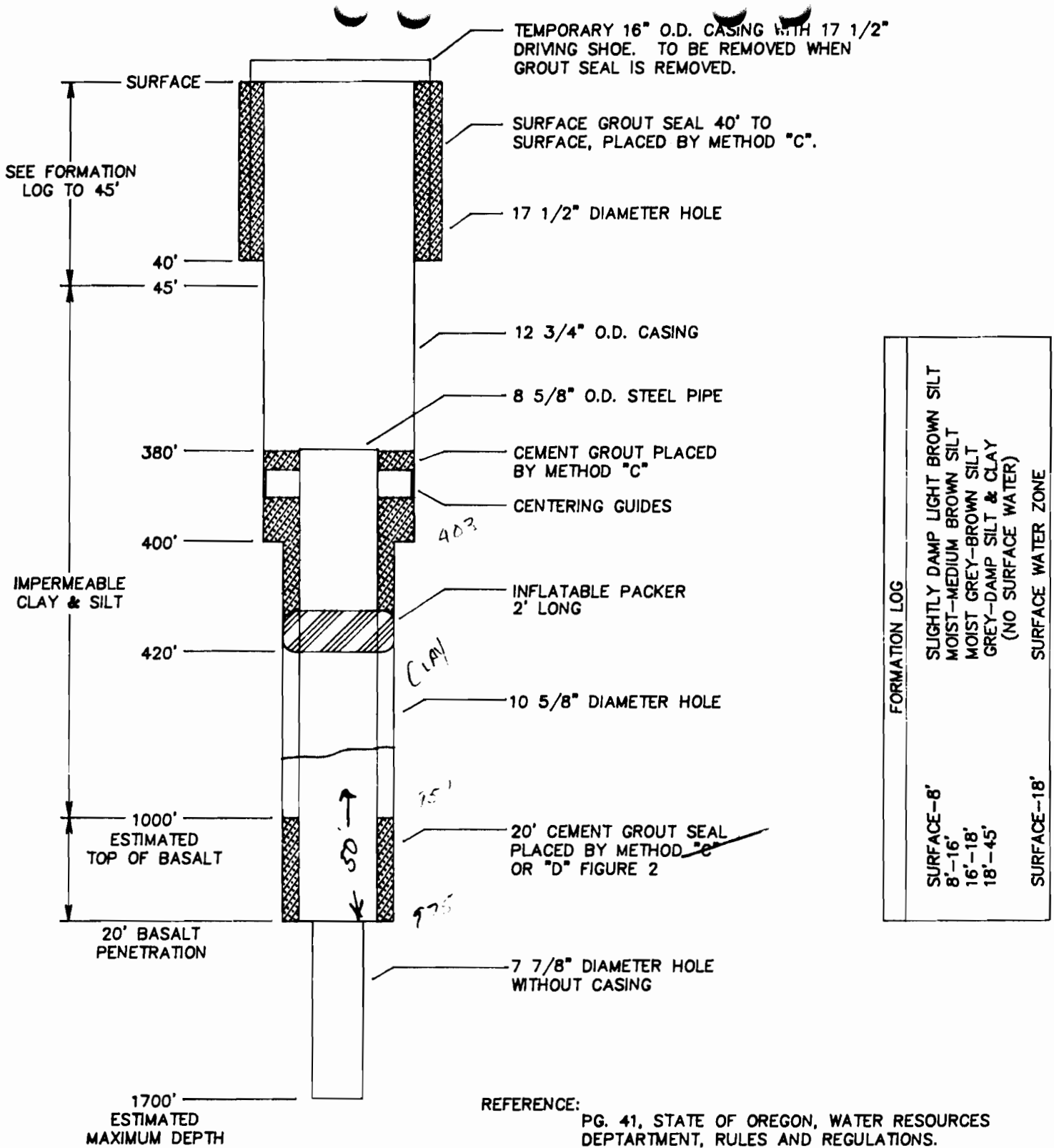
Since there are no aquifers existing between the surface water (which shall be grout sealed when the 16" O. D. casing is withdrawn) our proposed sealing methods should guarantee a perfectly sealed well.

Thank you for consideration in this request.


Respectfully submitted,



Kevin McKenna - WWC 1491



REFERENCE:  
 PG. 41, STATE OF OREGON, WATER RESOURCES DEPARTMENT, RULES AND REGULATIONS.

| REV.  | DATE | CKD       | DATE | NIKE CORPORATE HEADQUARTERS    |  |                  |  |
|---|------|-----------|------|--------------------------------|--|------------------|--|
| DESCRIPTION OF REVISION   |      |           |      | PROPOSED SEALING PROGRAM       |  | PROJECT NAME     |  |
|  |      |           |      | DRAWN RLS                      |  | PROJECT LOCATION |  |
|   |      |           |      | CHECKED                        |  | WATER WELL       |  |
| APPROVED  |      |           |      | SE QUARTER, SEC. 5, T 1S, R 1W |  |                  |  |
| DATE 10-11-88   |      | SCALE NTS |      | SHEET 1/1                      |  | NO.              |  |

GAD:NIKE1