

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

WASH WASH 8684
RECEIVED
 008684 DEC 29 1988

B/W/5 dd
 (START CARD) # 8172

(1) **OWNER:**
 Name: NIKE, INC.
 Address: 3700 SW Murray Blvd.
 City: Beaverton State: OR Zip: 97005

(2) **TYPE OF WORK:**
 New Well Deepen Recondition Abandon

(3) **DRILL METHOD**
 Rotary Air Rotary Mud Cable
 Other _____

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

(5) **BORE HOLE CONSTRUCTION:**
 Special Construction approval Yes No Depth of Completed Well 1240 ft.
 Explosives used Yes No Type _____ Amount _____

HOLE		SEAL		Amount	
Diameter	From To	Material	From To	sacks or pounds	
17 5/8"	0 40	Cement	0 40	60 (5640#)	
12"	0 400			W/100#s Bentonite	
8"	280 972	Cement	280 420	45-94#sks	
7 7/8"	Open 972 1240	Cement	922 972	10-94#sks	

How was seal placed: Method A B C D E
 Other See attachment no. 1 & 2
 Backfill placed from _____ ft. to _____ ft. Material _____
 Gravel placed from _____ ft. to _____ ft. Size of gravel _____

(6) **CASING/LINER:**

Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing: 12"	0	400	.312	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Liner: 8"	280	970	.277	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Final location of shoe(s) 12"-400', 8"-no shoe

(7) **PERFORATIONS/SCREENS:**

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
						<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>

(8) **WELL TESTS: Minimum testing time is 1 hour**
 Pump Bailer Air Flowing Artesian
 Yield gal/min 230 gpm Drawdown 0 Drill stem at None Time 1 hr.

Temperature of water 70 Depth Artesian Flow Found 1210
 Was a water analysis done? Yes By whom Rickenhouse-Zeman
 Did any strata contain water not suitable for intended use? Too little
 Salty Muddy Odor Colored Other _____
 Depth of strata: 24'

(9) **LOCATION OF WELL by legal description:**
 County Washington Longitude _____
 Township 15 Nor S. Range 1W E or W, WM.
 Section 5 SE 4 SE 4
 Tax Lot _____ Lot _____ Block _____ Subdivision _____
 Street Address of Well (or nearest address) 1765 SW Murray Blvd., Beaverton, Or.

(10) **STATIC WATER LEVEL:**
+1 ft. below land surface. Date 11/17/88
 Artesian pressure 8 lb. per square inch. Date 11/17/88

(11) **WATER BEARING ZONES:**

Depth at which water was first found _____

From	To	Estimated Flow Rate	SWL
972	1210	1 pint per/mn	+1
1210	1240	230 gpm	+1

(12) **WELL LOG:** Ground elevation _____

Material	From	To	SWL
Lt. brn silt	0	6	
Damp brn silt	6	15	
Gray damp silt clay	15	45	
Gray-green silt clay	45	77	
Lt. brn. gray-grn clay lens	77	110	
Gray-grn clay	110	141	
Blu gray-grn clay	141	170	
Brn fine sand	170	175	
Gray silt/clay some gravel	175	230	
Brn gray silty clay	230	240	
Gray-grn silty clay	240	277	
Blu-grn silt/clay/brn lens	277	320	
brn/blk wood chips			
Gray sticky clay/some chip	320	400	
Grn-gray clay/some chips	400	418	
Grn gray clay	418	425	
Grn-gray, brn clay/lil sand	425	465	
Grn-gray clay	465	470	
Gray clay	470	475	
Grn-gray clay	475	510	
Gray silty clay	510	520	
Grn-gray blu clay sticky	520	537	
Grn-gray blu clay	537	540	

Date started 9/15/88 Completed 11/16/88

(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 well construction standards. Materials used and information reported above are to the best of my knowledge and belief.
RECEIVED
 WWC Number _____
 Signed _____ Date JAN 17 1989

(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 well construction standards. This report is true to the best of my knowledge and belief.
RECEIVED
 WWC Number 1491
 Signed John P. M... Date 12/25/88

STATE OF OREGON
WATER WELL REPORT
(as required by ORS 537.785)

WASH WASH 8684
008684 DEC 29 1988

(START CARD) # 8172

(1) OWNER: Name NIKE, INC
Address 3700 S.W. Murray Blvd
City Beaverton State OR Zip 97005

(9) LOCATION OF WELL by legal description:
County WASH Latitude _____ Longitude _____
Township 15 N or S, Range 1W E or W, WM
Section 5 SE or SW, NE or NW
Tax Lot _____ Lot _____ Block _____ Subdivision _____
Street Address of Well (or nearest address) 1745 S.W. Murray Blvd, Beaverton, OR

(2) TYPE OF WORK:
 New Well Deepen Recondition Abandon

(3) DRILL METHOD
 Rotary Air Rotary Mud Cable
 Other _____

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

(5) BORE HOLE CONSTRUCTION:
Special Construction approval Yes No Yes No
Explosives used Yes No Type _____ Amount _____
Depth of Completed Well 1240 ft.

HOLE SEAL Amount

Diameter	From	To	Material	From	To	Amount
17 5/8"	0	40	Cement	0	40	120-190 lbs
12"	0	40	"	"	"	2100 lbs Benlate
8"	280	972	Cement	280	972	45-94 lbs
7 1/2" open	972	1240	Cement	972	972	10-94 lbs

How was seal placed: Method A B C D E
 Other See attachments 1+2

Backfill placed from _____ ft. to _____ ft. Material _____
Gravel placed from _____ ft. to _____ ft. Size of gravel _____

(6) CASING/LINER:

Casing/Liner	Diameter	From	To	Gauge	Material		Type	
					Steel	Plastic	Welded	Threaded
Casing	12"	0	400	3/2	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Liner	8"	280	972	2 1/2	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Final location of shoe(s) _____

(7) PERFORATIONS/SCREENS:

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
						<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>

(8) WELL TESTS: Minimum testing time is 1 hour
 Pump Bailor Air Flowing Artesian

Yield gal/min	Drawdown	Drill stem at	Time
230 gpm	0	None	1 hr.

Temperature of water 70° Depth Artesian Flow Found 1240
Was a water analysis done? Yes By whom RZN-Ritterhaus-Zimmer
Did any strata contain water not suitable for intended use? Too little
 Salty Muddy Odor Colored Other _____
Depth of strata: 24'

(10) STATIC WATER LEVEL:
ft. below land surface. Date 11/17/88
Artesian pressure 8 lb. per square inch. Date 11/17/88

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

From	To	Estimated Flow Rate	SW
972	1240	1 pint per min	+1
1210	1240	2.30 gpm	+1

(12) WELL LOG: Ground elevation _____

Material	From	To	SW
Brn sticky clay	540	550	
Gray clay	550	560	
Brn gray clay	560	585	
Grn-gray clay	585	615	
Blu-grn-gray clay	615	647	
Blu-gray brn clay	647	655	
Sticky brn clay	655	658	
Hard brn clay	658	663	
Brn lens w/blu-grn clay	663	737	
Blu-grn clay	737	770	
Blu-gray brn clay	770	787	
Hard grn-blu clay w.chips	787	803	
Red-Oran. clay/blk chips	803	809	
Softer red clay	809	890	
Red clay w/silt	890	908	
Brn clay w/grn-yell silt	908	923	
Gray silt w/blk-brn streak	923	933	
Gray-grn silty clay	933	947	
Gray silt w/brn-grn lens	947	948	
Black basalt	948	972	
Black and gray rock	972	976	
Red-grn-blk rock	976	987	
Blk hard rock	987	1005	

Date started _____ Completed _____

(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 well construction standards. Materials used and information reported above are true to my knowledge and belief.
Signed _____ Date 11/17/1988

(bonded) Water Well Constructor Certification:
I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction. Date reported above work performed during this time is in compliance with Oregon construction standards. This report is true to the best of my knowledge and belief.
Signed _____ Date _____

WASH WASH RECEIVED 008684

STATE OF OREGON WATER WELL REPORT (as required by ORS 637.765)

008684

DEC 29 1988

(START CARD) # 8172

(1) OWNER: Name NIKE, INC Address 3700 S.W. Murray Blvd, City Beaverton State OR Zip 97005

(2) TYPE OF WORK: [X] New Well [] Deepen [] Recondition [] Abandon

(3) DRILL METHOD [X] Rotary Air [X] Rotary Mud [] Cable [] Other

(4) PROPOSED USE: [] Domestic [] Community [] Industrial [X] Irrigation [] Thermal [] Injection [] Other

(5) BORE HOLE CONSTRUCTION: Special Construction approval Yes No Depth of Completed Well 1240 ft. Explosives used [] [X] Type Amount

Table with columns: HOLE Diameter, From, To, Material, From, To, Amount, sacks or pounds. Includes entries for 7 1/8" and 8" diameters with cement.

How was seal placed: Method [] A [] B [X] C [X] D [] E [X] Other See attachments Backfill placed from ft. to ft. Material Gravel placed from ft. to ft. Size of gravel

(6) CASING/LINER: Table with columns: Diameter, From, To, Gauge, Steel, Plastic, Welded, Threaded. Includes entries for 12" casing and 8" liner.

Final location of shoe(s)

(7) PERFORATIONS/SCREENS: Table with columns: From, To, Slit size, Number, Dia. actual, Tele/pipe size, Casing, Uct. Includes checkboxes for Perforations and Screens.

(8) WELL TESTS: Minimum testing time is 1 hour. [] Pump [] Baller [] Air [X] Flowing Artesian. Yield gal/min 230 gpm, Drawdown C, Drill stem at NONE, Time 1 hr.

Temperature of water 70° Depth Artesian Flow Found 1210 Was a water analysis done? [X] Yes By whom Rivenhouse, Zeman Did any strata contain water not suitable for intended use? [X] Too little [] Salty [] Muddy [] Odor [] Colored [] Other Depth of strata: 24

(9) LOCATION OF WELL by legal description: County WASH, Township 15, N or S, Range T, NK, Section 5, SE, Block, Subdivision, Street Address of Well (or nearest address) 1765 S.W. Murray Blvd, Beaverton, OR

(10) STATIC WATER LEVEL: ft. below land surface, Date 11/17/88 Artesian pressure 8 lb. per square inch, Date 11/17/88

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

Table with columns: From, To, Estimated Flow Rate, SW. Includes entries for 972-11210 and 1210-1240.

(12) WELL LOG: Ground elevation

Table with columns: Material, From, To, SW. Lists various basalt types and fracture descriptions with depth ranges.

Date started Completed

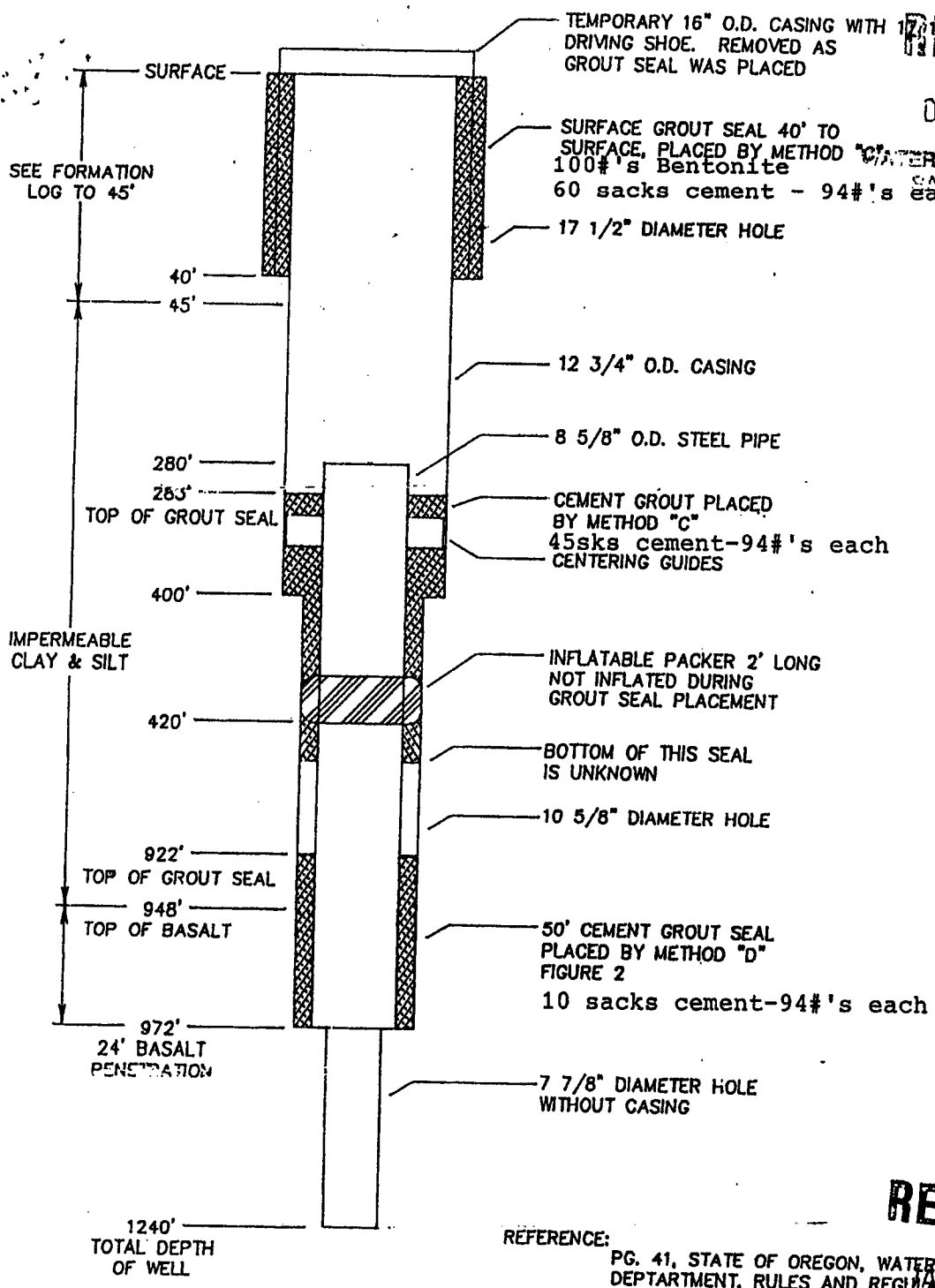
(unbonded) Water Well Constructor Certification: I certify that the work I performed on the construction, alteration abandonment of this well is in compliance with Oregon well construction standards. Signed JAN 17 1989

(bonded) Water Well Constructor Certification: I accept responsibility for the construction, alteration or abandonment work performed on this well during the construction period reported above work performed during this time is in compliance with Oregon construction standards. Signed

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DEC 29 1988

WATER RESOURCES DEPT.
SALEM, OREGON



FORMATION LOG

SURFACE-8'	SLIGHTLY DAMP LIGHT BROWN SILT
8'-16'	MOIST-MEDIUM BROWN SILT
16'-18'	MOIST GREY-BROWN SILT
18'-45'	GREY-DAMP SILT & CLAY (NO SURFACE WATER)
SURFACE-18'	SURFACE WATER ZONE

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REFERENCE: PG. 41, STATE OF OREGON, WATER RESOURCES DEPARTMENT, RULES AND REGULATIONS, 1989

REV.	DATE	CKD	DATE
1	11-29-88		

DESCRIPTION OF REVISION

WATER RESOURCES DEPT.
SALEM, OREGON
NIKE CORPORATE HEADQUARTERS



CAD:NIKE1

PROPOSED SEALING PROGRAM

PROJECT NAME

WATER WELL

DRAWN RLS CHECKED

PROJECT LOCATION

APPROVED
DATE 10-11-88 SCALE NTC

SE QUARTER, SEC. 5, T 1S, R 1W



WASH 8684

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

WASH 8684

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

OCT 17 1988
WATER RESOURCES DEPT.
SALEM, OREGON

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.

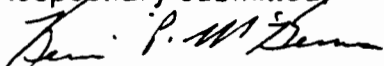
The first four hundred feet of the well was drilled with the air rotary method. Other than the surface water encountered in the first eighteen feet of drilling, no water has been encountered in the drilling of the impervious clay and shale strata extending to the basalt rock.

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