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Well Summary Information

OAK RIDGE NATIONAL LABORATORY

NE/4NW/4 Sec. 15 18N 29E

Prepared By: Bob Schlosser Date: 6/18/90 Page: 1 OF 1
 Hole No.: MW04 Casing Elev.: 3934.02' Ground Elev.: 3934.23' Location: Site 2 Downgradient
 Total Depth: 25.0' Number of Completions: 1 Rig Type: Schramm Roto-drill T-685
 Auger Size: 8" O.D. Sample Type: 3"x5' Continuous, 2.5"x2" Calif. Method" SS
 Project: NAS Fallon Data Verified By: _____ Date: _____

DEPTH (FEET)	SAMPLE TYPE	SAMPLE INTV	WELL CONSTRUCTION	LITHOLOGY	DESCRIPTION
0					FILL: large 3" boulders. READY-MIX CONCRETE 0-1' 6/19/90.
2	CS				FILL: dark gray clayey silt.
4					SP SAND: pale brown (10YR6/3), very fine to fine grained (vfU-fL), subangular to subrounded, some root hairs and clay.
6	SP				SW SAND: fine to coarse grained (fU-cL) mostly medium (mU) grained, subangular to subrounded, abundant mica and dark minerals, becoming increasingly coarse downward.
8	SP				SP SAND: pale brown (10YR6/3), predominantly subrounded to rounded, some limonite staining locally, silty occasionally.
10					SAND SURGED, HOLE DRILLED TO 10.0'
12	CS				SW SAND: pale brown (10YR6/3), medium to coarse grained (mL-vcU), rounded to well rounded, becoming coarser downward, saturated, abundant feldspar, mica, and accessory minerals, slightly arkosic. From 13'-14' abundant 3-4mm dark accessory minerals. From 14'-17' cL-vcU, predominantly vcL, well graded throughout the interval from 10'-15', saturated, mostly translucent quartz.
14					SLOTTED SCREEN (0.010") 4.0'-14.0' FRAC SAND (8/12) 3.0'-8.0' BENTONITE PELLETS (1/4") 1.0'-3.0'
16	CS				
18					LOST 18.0'-20.0' WASHED OUT
20					CL CLAY: olive (5Y4/3), hackly fractured, from 20' to 23', interbedded every 10mm, very fine grained sand in 5-10mm beds, strong limonite staining. (CARSON RIVER-LAHONTAN LAKE CONTACT)
22	CS				CL CLAY: as above, becoming very tight.
24					
26					BENTONITE PELLETS HYDRATED WITH POTABLE WATER. (2 GALLONS)
28					
30					

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STATE ENGINEER'S OFFICE

DW 772 (Welsco)

WELL CONSTRUCTION MATERIAL AND PROCEDURAL CHECKLIST

OAK RIDGE NATIONAL LABORATORY
 CHEMICAL ASSESMENTS TEAM
 GRAND JUNCTION OFFICE
 P.O. BOX 2567
 GRAND JUNCTION, CO 81502
 (303) 248-6209
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PROJECT: MAS Fallon			SITE: 2		WELL: MW04		DATE: 06/18/90	
DRILLING					WELL COMPLETION			
Method: Hollow Stem Auger					Borehole Diameter: 8" O.D.			
Contractor: Welsco Corporation					Casing Depth: 14.0'			
Rig Type: Schramm Roto-Drill T-685					Total Depth: 25.0'			
Driller: Jim Biffle					Screened Interval: 4.0'-14.0'			
QA/QC: R.M.Schlosser					Water Level (Pre-level):			
Was equipment decontaminated prior to drilling: YES					Water Level (Post-level):			
Comments: Augers deconned prior to drilling.					QA/QC: R.M. Schlosser			
					Was casing decontaminated prior to setting: YES			
					Was grout mixed to specs.: NO			
MATERIALS					Comments: Pre-cleaned casing removed from plastic, steam cleaned and returned to plastic prior to installation.			
		Size	Amount					
Sand	100#	8/12	3		WELL DEVELOPMENT			
Portland Cement	Type 3	100#	1					
Powdered Bentonite					Developed by: S.R. Sturm Date: 06/21/90			
Bentonite Pellets	1/4"		50#		Method: Air lift pump			
Casing	2" DIA.		1-5'		Volume of Water Purged: 85 gals			
Type	PVC				Water Quality	Temp:N/A	Cond:N/A	pH:N/A
Well Cap	2" DIA.		1		WELL TESTS			
Well Points	2" DIA.		1		Bail Test by: S.R. Sturm, P.M. Kearnl Date: 07/15/90			
Screen Length	10'		1		Pump Test by: None done Date: / /			
Screen Size	.010"				Other:			
Screen Type	PVC SLOTTED				Comments: No hydraulic conductivity determine because the well recovered to rapidly to measure.			
CAT/REP: R.M. Schlosser								
Comments: 3 sacks of sackrete used for surface cover.								