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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.: MW03 Casing Elev.: U&L-3933.13' Ground Elev.: 3933.29' Location: Transportation Yard
 Total Depth: 30.0' Number of Completions: 2 Rig Type: Schramm Roto-drill, T-685
 Auger Size: 8" Sample Type: 3.5"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: gravel, 8-15mm, with sand.
2	CS				CL CLAYEY SILT: dark brown (10YR3/3), micaceous with root hairs, some dark yellowish brown mottling (10YR3/3), grading to
4					SP SAND: brown (10YR5/3), fine to medium grained (fL-mL), subangular-subrounded, loosely consolidated, micaceous, wet at 7.0'
6	SP				CL CLAYEY SILT: sandy in part, grading to
8	SP				SP SAND: brown (10YR5/3) fine grained (vfU-fL), subangular to angular with some rounded, silty in part.
10					SP SAND: as above, mottled occasionally grayish brown (10YR5/3), some root hairs, abundant limonite staining.
12	CS				SP SAND: color as above, becoming medium grained.
14					CL CLAYEY SILT: slightly plastic, moist.
16					SW SAND: pale brown (10YR6/3), medium to coarse grained (mL-cU), saturated, subrounded to rounded, well graded with abundant accessory minerals.
18					SAND HEAVED IN HOLE TO 17, FILLED WITH CASERS WATER AND AUGERED TO 20.0'
20					SP SAND: dark grayish brown (10YR4/2), silty part.
22	CS				MARKER BED CARSON RIVER-LAHONTAN LAKE.
24					CL CLAYEY SILT: yellowish brown mottled brownish yellow, dry, tight, with interbedded very fine grained sand, varved, some light grey mottling
26					CL CLAY: light grey (5Y7/1) mottled yellowish brown (10YR5/4), micaceous, dry, tight, light brown is less silty than yellowish brown, some fine sand in partings occasionally.
28	CS				CL CLAY: greenish gray (5GY6/1), hackly fractured, blocky from 27.5'-29.0', 1-2mm varves, reworked mudcracks, lower unit has abundant root hairs some evaporites very thinly bedded 2-3 cm apart, oolites (?)
30					SLOTTED PVC CASING (.010") 6.2'-11.2 and at 16.5'-21.5'
32					FRAC SAND (8/12), 4.6'-11.2' and 24.0'-30.0'
34					BENTONITE PELLETS (1/4") 3.2'-4.6', 11.2'-13.0'

RECEIVED
 AUG 12 1991
 STATE ENGINEER'S OFFICE

Driller # 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
 (FTS) 326-6209

PROJECT: NAS Fallon		SITE: 2		WELL: MW03		DATE: 06/18/90		
DRILLING				WELL COMPLETION				
Method: Hollow Stem Auger				Borehole Diameter: 8" O.D.				
Contractor: Welsco Corporation				Casing Depth: 21.5' & 11.0'				
Rig Type: Schramm Roto-Drill T-685				Total Depth: 30.0'				
Driller: Jim Biffle				Screened Interval: 6.2'-11.2' & 16.5'-21.5'				
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	4					
Portland Cement					WELL DEVELOPMENT			
Powdered Bentonite					Developed by: S.R. Sturm Date: 06/19/90			
Bentonite Pellets	1/4"	50#		Method: Air lift pump				
Casing	2" DIA.	1-10' 3-5'		Volume of Water Purged: 64 gals				
Type	PVC			Water Quality	Temp:N/A	Cond:N/A	pH:N/A	
Well Cap	2" DIA.	2		WELL TESTS				
Well Points	2" DIA.	2		Bail Test by: S.R. Sturm, P.M. Kearnl			Date: 07/13/90	
Screen Length	1-5' 1-10'	1 each		Pump Test by: None done			Date: / /	
Screen Size	.010"			Other:				
Screen Type	PVC SLOTTED			Comments: Upper Completion tested on 7/13/90, hydraulic conductivity .75-.84 FPD. Lower completion tested on 7/15/90, hydraulic conductivity .69-.88 FPD.				
CAT/REP: R.M. Schlosser								
Comments: Hole grouted with ready mix concrete.								