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OAK RIDGE NATIONAL LABORATORY

Well Summary Information

NE 1/4 NW 1/4 Sec 10 18N 29E

Prepared By: Bob Schlosser

Date: 6/24/90

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Hole No.: MW10 Casing Elev.: 3934.84' Ground Elev.: 3934.88' Location: Site 1

Total Depth: 30.0' 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: clayey silt mixed with sand and gravel.
2	CS				CONCRETE, 0'-1.5' SP SAND: brown (10YR5/3), fine to medium grained, subround to rounded.
4					
6	SP				CL CLAYEY SILT: dark grayish brown, sandy in part micaceous, dry, some root vessicles.
8	SP				
10					SP SAND: pale brown (10YR6/3), very fine grained (vFL), micaceous, abundant dark accessory minerals. SW SAND: well graded, fining downward to medium grained (vfUL-mL), saturated. CL CLAYEY SILT: very sandy, micaceous.
12	CS				SP SAND: color as above, very fine to medium grained, micaceous, abundant dark minerals.
14					
16					SP SAND: as above, becoming very fine to fine (vFL-fL), micaceous, black organic bands.
18	CS				
20					CL CLAYEY SILT: very sandy locally, some iron staining. SP SAND: clayey in part, very silty.
22	CS				CL CLAYEY SILT: light brownish gray (2.5YR6/2), blocky, very fine grained sand (vFL) at 22.5', LAHONTAN LAKE contact.
24					
26					CL CLAY: olive gray (5Y5/2) tight, clayey, dry.
28	CS				
30					CL CLAY: pale olive, (5Y6/3), mudcracks filled with olive gray (5Y5/3). SLOTTED SCREEN (0.010") 5.0'-15.0' FRAC SAND (8/12) 3.5'-21.0' BENTONITE PELLETS (1/4") 1.5'-3.5', HYDRATED WITH POTABLE WATER (2 GALLONS)

**RECEIVED**  
 AUG 14 1991  
 STATE ENGINEER'S OFFICE

DLN=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: MW10		DATE: 06/24/90		
<b>DRILLING</b>				<b>WELL COMPLETION</b>				
Method: Hollow Stem Auger				Borehole Diameter: 8" O.D.				
Contractor: Welsco Corporation				Casing Depth: 15.0'				
Rig Type: Schramm Roto-Drill T-685				Total Depth: 30.0'				
Driller: Jim Biffle				Screened Interval: 5.0'-15.0'				
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				
<b>MATERIALS</b>				Comments: Pre-cleaned casing removed from plastic, steam cleaned and returned to plastic prior to installation.				
	Size		Amount					
Sand	100#	8/12	8					
Portland Cement	Type 3	100#	1		<b>WELL DEVELOPMENT</b>			
Powdered Bentonite					Developed by: S.R. Sturm		Date: 06/25/90	
Bentonite Pellets	1/4"		50#		Method: Air lift pump			
Casing	2" DIA.		1-5'		Volume of Water Purged: 75 gals.			
Type	PVC				Water Quality	Temp:N/A	Cond:N/A	pH:N/A
Well Cap	2" DIA.		1		<b>WELL TESTS</b>			
Well Points	2" DIA.		1		Bail Test by: S.R. Sturm, P.M. Kearl		Date: 07/16/90	
Screen Length	10'		1		Pump Test by: None done		Date: / /	
Screen Size	.010"				Other:			
Screen Type	PVC SLOTTED				Comments: Hydraulic conductivity, .23-.26 FPD.			
CAT/REP: R.M. Schlosser				Comments: Well completed through augers. 3 bags sackrete used for surface.				