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Well Summary Information

OAK RIDGE NATIONAL LABORATORY

NE/4 NW/4 Sec 15, T. 18N., R. 29E.

Prepared By: Bob Schlosser

Date: 6/17/90

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Hole No.: MW02 Casing Elev.: 3933.76' Ground Elev.: 3935.95' Location: Transportation Yard

Total Depth: 20.0' 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: David Smuin

Date: 6/18/90

DEPTH (FEET)	SAMPLE TYPE	SAMPLE INTY	WELL CONSTRUCTION	LITHOLOGY	DESCRIPTION
0					FILL: 15mm gravel with sand. READY-MIX CONCRETE, 0'-2'6/19/90
2	CS				SP SAND: pale brown (10YR6/3), fine to medium grained (fU-mL), some scattered coarse (CL), angular, micaceous, silty in part, some limonite staining.
4					BENTONITE PELLETS (1/4"), 2.0'-4.0'
6	SP				SP SAND: as above with increasing percentage of silt, grading to vfU-fL, some scattered feldspar and scattered limonite staining, moist.
8	SP				SP SAND: brown (10YR5/3), vfU-fL, increasing mica content. CL CLAYEY SILT: dark grayish brown (10YR4/2), some scattered vfU sand, root hairs locally, some black and limonite staining, micaceous, increasingly higher percent sand, grading to
10	SP				SW SAND: color as above, medium to coarse grained (mL-vCL), subangular-rounded, arkosic, abundant potassium feldspar, dark accessory minerals.
12	CS				VPS: abundant cavings from previous splitspoons. SP SAND: arkosic, becoming very fine grained at silty in part, micaceous, abundant dark min. slightly calcareous.
14					SLOTTED SCREEN (0.010") 5.0'-15.0' FRAC SAND (8/12) 4.0'-19.0' BENTONITE PELLETS (1/4") 2.0'-4.0', HYDRATED WITH POTABLE WATER (2 GALLONS)
16					CL CLAYEY SILT: damp, slightly plastic SP SAND: very fine grained, micaceous
18	CS				CL CLAYEY SILT: high percent clay, scattered root hairs. SP SAND: as above, becoming fL-fU, rounded.
20					NATIVE FILL 19.0'-20.0' CL CLAYEY SILT: as above, some limonite staining. SP SAND: very fine grained, abundant black min.

RECEIVED  
AUG 1 8 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: MW02		DATE: 06/18/90		
DRILLING				WELL COMPLETION				
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: 20.0'				
Driller: Jim Biffle				Screened Interval: 5.0'-15.0'				
QA/QC: R.M.Schlosser				Water Level (Pre-level): 7.5'				
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	5					
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.	5' long	1		Volume of Water Purged: 60 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. Kearl		Date: 07/13/90	
Screen Length	10'		1		Pump Test by: None Done		Date: / /	
Screen Size	.010"		1		Other:			
Screen Type	PVC SLOTTED				Comments: Hydraulic Conductivity .81-.85 FPD			
CAT/REP: R.M. Schlosser								
Comments: Hole grouted with ready mix concrete.								