

Waiver M/O-200

Log# 36089

orn1

OAK RIDGE NATIONAL LABORATORY

Well Summary Information

S<sub>W</sub>1/4S<sub>W</sub>1/4 Sec. 10

18N 29E

Prepared By: Bob Schlosser Date: 6/23/90 Page: 1 OF 1  
 Hole No.: MW08 Casing Elev.: U-3937.74, L-3937.68 Ground Elev.: 3937.89 Location: Site 2  
 Total Depth: 25.0' Number of Completions: 2 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					SP SAND: pale brown (10YR6/3), subangular to sub-rounded, arkisic in part, loosely consolidated.
2	CS				CL CLAYEY SILT: with abundant very fine sand, roots and other organics. small isolated pockets of grained sand 5-8mm thick.
4					SP SAND: as above.
6	SP				CL CLAYEY SILT: dark grayish brown (10YR3/2), some organics, moist.
8	SP				SP SAND: fine grained as above with clay.
10	SP				CL CLAYEY SILT: dark brown (10YR4/3), micaceous, abundant root hairs.
12					CL CLAY: dark brown (10YR3/3), very tight, plastic, abundant limonite staining and black organics.
14	CS				
16					SP SAND: fine grained (fU), very micaceous, mostly clear quartz, subrounded to rounded, loosely consolidated, becoming mL downward.
18	CS				SW SAND: dark brown (10YR5/3) fine to medium grained (fU-mU), micaceous, abundant dark accessory minerals, some scattered 1-2mm pebbles.
20					SW SAND: as above, becoming mU-cU, well graded.
22	CS				CL CLAYEY SILT: olive (5Y5/4), micaceous, silty in part to very silty. From 23.0'-25.0': very fine grained sand with heavy limonite staining- CARSON RIVER-LAHONTON LAKE MARKER BED
24					
26					SLOTTED PVC SCREEN (0.010"), 20.0'-25.0' .4.0'-9.0' FRAC SAND (8/12), 13.0'-25.0', 3.5'-9.0' BENTONITE PELLETS (1/4"), 11.0'-13.0', 1.5'-3.5'
28					
30					

\* Dual Completion - MW13

RECEIVED  
MAY 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: MW08		DATE: 06/23/90		
DRILLING				WELL COMPLETION				
Method: Hollow Stem Auger				Borehole Diameter: 8" O.D.				
Contractor: Welsco Corporation				Casing Depth: 20.0' & 9.0'				
Rig Type: Schramm Roto-Drill T-685				Total Depth: 25.0'				
Driller: Jim Biffle				Screened Interval: 4.0'-9.0' & 20.0'-25.0'				
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	4		WELL DEVELOPMENT			
Portland Cement	Type 3	100#	1					
Powdered Bentonite					Developed by: S.R. Sturm Date: 06/25/90			
Bentonite Pellets	1/4"		75#		Method: Air lift pump			
Casing	2" DIA.		1-10' 3-5'		Volume of Water Purged: upper-16 gals. Lower-90 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. Kearn Date: 07/16/90			
Screen Length	5'		2		Pump Test by: None done Date: / /			
Screen Size	.010"				Other:			
Screen Type	PVC SLOTTED				Comments: Both completions tested on the same day. Upper completion was abandoned. Lower completion hydraulic conductivity, .20-.24 FPD.			
CAT/REP: R.M. Schlosser								
Comments: Problems with completion, while at 13' added 25# of seal, sounded hole and it was at 8.0', may not have got seal in before hole caved. 3 bags sackrete used for surface								

