

Waiver M/O-200

Well Summary Information

Log# 36090

ornl

OAK RIDGE NATIONAL LABORATORY

SE 1/4 SW 1/4 Sec. 10 T. 18N., R. 29E.

Prepared By: Bob Schlosser Date: 6/22/90 Page: 1 OF 1

Hole No.: MW07 Casing Elev.: 3935.09' Ground Elev.: 3935.09' 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					SP SAND: very pale brown (10YR7/3), fine to medium grained (fL-mU), silty locally, wood debris, root vessicles.
2	CS				
4					SW SAND: brown, (10YR5/3), fine to medium grained (fL-mU), predominantly subround, some limonite staining, at 6.0' becoming fU-cl, very well graded, saturated at 6.5', with black organics.
6	SP				
8	CS				
10					CL CLAY: dark grayish brown (10YR4/2), silty in part mottled gray (2.5YRN/5), wood and roots.
12	CS				SW SAND: brown (10YR5/3), medium to coarse grained (mU-vcl), loosely consolidated with feldspar.
14					SW SAND: dark grayish brown (10YR4/2), medium to coarse grained (mL-vcu), pebbles 2-10mm, arkosic, micaceous, abundant accessory minerals.
16					LOST 13'-15' DURING RETRIEVAL
18	CS				CL CLAYEY SILT: olive brown (2.5Y4/4), micaceous, with root vessicles and limonite staining.
20					CL CLAYEY SILT: as above, scattered sand.
22					SP SAND: fine grained, heavy limonite staining, CARSON RIVER-LAHONTON LAKE MARKER BED.
24	CS				CL CLAYEY SILT: tight, becoming predominantly clay at 23.0', mottled dark greenish gray (5G4/1) throughout.
26					SLOTTED SCREEN (0.010") 5.0'-15.0' FRAC SAND (8/12) 4.5'-19.0' BENTONITE PELLETS (1/4") 2.0'-4.0' POTABLE WATER (2 GALLONS) NATIVE FILL 19.0'-20.0'
28					
30					

**RECEIVED**  
AUG 1 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: MW07			DATE: 06/22/90			
DRILLING						WELL COMPLETION						
Method: Hollow Stem Auger						Borehole Diameter: 8" O.D.						
Contractor: Welsco Corporation						Casing Depth: 15.5'						
Rig Type: Schramm Roto-Drill T-685						Total Depth: 25.0'						
Driller: Jim Biffle						Screened Interval: 5.5'-15.5'						
QA/QC: R.M.Schlosser						Water Level (Pre-level): 6.5'						
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		7									
Portland Cement	Type 3 100#		1			WELL DEVELOPMENT						
Powdered Bentonite						Developed by: S.R. Sturm			Date: 06/25/90			
Bentonite Pellets	1/4"		50#			Method: Air lift pump						
Casing	2" DIA.		1-10'			Volume of Water Purged: 90 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. Kearn			Date: 07/15/90			
Screen Length	10'		1			Pump Test by: None done			Date: / /			
Screen Size	.010"					Other:						
Screen Type	PVC SLOTTED					Comments: Hydraulic conductivity was not determined because the well recovered too rapidly to measure.						
CAT/REP: R.M. Schlosser												
Comments: Marker beds at 2' higher elevation. 3 bags of sackrete used for surface.												