

Waters M/O-200

Log# 36091

ornl

OAK RIDGE NATIONAL LABORATORY

Well Summary Information

SE 1/4 SW 1/4 Sec 10 18N 29E

Prepared By: Bob Schlosser Date: 6/23/90 Page: 1 OF 1

Hole No.: MW09 Casing Elev.: 3935.91' Ground Elev.: 3935.93' Location: Sie 1

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					FILL: gravelly clay.
0-1.5					CONCRETE, 0'-1.5'
1.5-5.0	CS				SP SAND: pale brown (10YR6/3), fine to medium grained, subangular to subrounded, some iron staining, silty in part, becoming predominantly medium grained downward.
5.0-6.5	SP				SP SAND: pale brown (10YR6/3), fine to medium grained, subangular to subrounded, some iron staining, very silty.
6.5-8.0	SP				
8.0-10.0					SW SAND: grayish brown (10YR5/2), fine to coarse grained (fL-vcL), well graded, subangular to sub-rounded, abundant limonite staining on dark mineral surfaces.
10.0-12.0	CS				SP SAND: color as above, predominantly medium grained, micaceous, tight, well consolidated, some dark organic streaks bedded in 1mm layers, saturated.
12.0-16.0					
16.0-18.0	CS				SP SAND: as above, becoming medium to coarse (mL-cl), very micaceous, some limonite staining locally, saturated.
18.0-20.0					
20.0-22.0					SW SAND: medium to coarse grained (mL-vcL) sub-angular to subround, abundant 3-4mm pebbles, arkosic, some dark accessory minerals, saturated
22.0-23.0					CL CLAYEY SILT: pale yellow (2.5YR7/6), very fine grained sand (vfL) at 22.5' & 23.0' with very heavy limonite staining. CARSON RIVER-LAHONTON LAKE contact.
23.0-25.0					
25.0-26.0					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 12 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: MW09		DATE: 06/23/90	
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: 25.0'			
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			
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	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.		1-5'		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. Kearl		Date: 07/16/90	
Screen Length	5'		1		Pump Test by: None done		Date: / /	
Screen Size	.010"				Other:			
Screen Type	PVC SLOTTED				Comments: Hydraulic conductivity .18-.25 FPD.			
CAT/REP: R.M. Schlosser								
Comments: Well completed through augers. 3 bags sackrete used for surface.								