

Prepared By: Bob Schlosser Date: 6/25/90 Page: 1 OF 1

Hole No.: MW11L Casing Elev.: 3925.61' Ground Elev.: 3935.82' Location: Site 1

Total Depth: 85.0' 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: grayish brown (10YR5/2), very silty
2	CS				SP SAND: grayish brown (10YR5/2), micaceous.
4					SP SAND: as above, root hairs, saturated at 6.5'
6	SP				CL CLAYEY SILT: brown (10YR5/3), limonite staining some dark organics.
8	CS				SW SAND: dark brown (10YR4/4), fine to medium grained (fL-mL), micaceous, saturated.
10					SW SAND: as above, (mU-vcl), some 3-5mm pebbles, arkosic, subrounded to rounded, limonite stained
12	CS				SP SAND: very fine to fine grained.
14					CL SILTY CLAY: olive gray (5Y5/3) mottled gray to brown (10YR5/2), blocky, scattered shell frags.
16	CS				CL CLAYEY SILT: with 4-5cm very fine sand at 23' strong limonite staining CARSON RIVER-LAHONTON LAKE contact.
18					CL CLAY: olive gray as above, 1-5mm evaporite beds evaporites from 25'-27', rest very calcareous.
20	CS				CL CLAY: light gray (5Y7/1)
22					CL CLAY: olive, with evaporites as above, blocky, more clay downward, abundant oolids and shell fragments.
24	CS				CL CLAY: as above with fine sand in vertical cracks from 38'-39'.
26					CL CLAY: olive gray to dark olive gray (5Y4/2-3/2) mottled with olive clay, color as above.
28	CS				CL CLAYEY SILT: black (7.5RN4/), soft, micaceous, GYPSUM at 47.0', light green, banded 2-3mm.
30					SP SAND: dark gray very fine grained.
32	CS				SAND HEAVED UP AUGERS 3' DURING CONNECTION. AUGER TO 55'. DRILLER AUGERED TO 60', BUT ONLY HAD 55' OF ROD IN HOLE. NO SAMPLE. RUN IN HOLE WITH CENTER BIT AND CLEAN OUT HOLE TO 60'.
34					CL CLAYEY SILT: black (7.5RN/2), plastic.
36	CS				SP SAND: black (5Y2.5/1), very fine to fine grained, abundant fish scales and bones.
38					CL CLAY: black with small stringer SW sand below.
40	CS				CL CLAY: dark greenish gray (5G4/1), silty.
42					CL CLAY: black as above, structureless.
44	CS				SP SAND: black, fine grained, silty in part.
46					CL CLAY: greenish gray, interbedded with sand.
48	CS				SW SAND: medium-coarse grained (mL-cu) well sorted, some mica and dark accessory minerals.
50					CL CLAY: black as above, sandy in part, becoming silty with depth.
52	CS				SLOTTED PVC SCREEN (0.010") 70'-80'
54					NATIVE SAND 84'-87', 48'-66'
56	CS				BENTONITE PELLETS (1/4") 66'-68'
58					CEMENT BENTONITE GROUT (6/1) 1'-48'
60	CS				FRAC SAND (8/12) 68'-85'
62					
64	CS				
66					
68	CS				
70					
72	CS				
74					
76	CS				
78					
80	CS				
82					
84	CS				
86					
88	CS				
90					

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 JUN 27 1991  
 STATE ENGINEERS OFFICE

\*Dual Completion  
 DLN = 772 (Wetisco)

**WELL CONSTRUCTION MATERIAL AND PROCEDURAL CHECKLIST**

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PROJECT: NAS Fallon		SITE: 1		WELL: MW11L		DATE: 06/25/90 thru 06/26/90	
DRILLING				WELL COMPLETION			
Method: Hollow Stem Auger				Borehole Diameter: 8" O.D.			
Contractor: Welsco Corporation				Casing Depth: 80.0'			
Rig Type: Schramm Roto-Drill T-685				Total Depth: 85.0'			
Driller: Jim Biffle				Screened Interval: 70.0'-80.0'			
QA/QC: R.M.Schlosser				Water Level (Pre-level): 6.5'			
Was equipment decontaminated prior to drilling: YES				Water Level (Post-level):			
Comments: Augers and rig 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		6/1 Concrete / bentonite grout.			
Sand	100# 8/12	6					
Portland Cement	Type 2 100#	9		WELL DEVELOPMENT			
Powdered Bentonite	100#	2		Developed by: S.R. Sturm		Date: 07/11/90	
Bentonite Pellets	1/4"	50#		Method: Air lift pump			
Casing	2" DIA.	3-5' 6-10'		Volume of Water Purged: 200 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. Kearnl		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 not determined because well recovered to rapidly to accurately measure.			
CAT/REP: R.M. Schlosser							
Comments: 3 bags sackrete used for surface.							