

LOG OF BOREHOLE

LOCATION GARDEN VALLEY - NEVADA - 2N-57E-156d
 LOGGED BY K. BIRNEY KALINCH, M. HUNE,
 PROJECT INTERMEDIATE ADULTER PROGRAM
 MEX. PROJECT FY. 80

LOC. or COORDS. <u>2N-57E-156d.</u> <u>GARDEN VALLEY NEVADA.</u>	DRILLER <u>WRIGHT Drill. Co.</u> DRILLER. _____ _____ <u>JASON</u>	START DATE <u>8-7-80</u>	FINISH DATE <u>8-15-80</u>
GROUND ELEV. _____	RIG <u>IR - TH - 60</u>	TIME _____	
TOTAL DEPTH <u>1,097 ft</u>	BIT(S) <u>TRICONE</u>	GEOPHYS. LOG <input checked="" type="checkbox"/> YES	
BOREHOLE DIAM. _____	FLUID <u>BENTONITE</u>	HOW LEFT _____	

DEPTH	PENE RATE	CIRC. REC. FEET	AIRLIFT Q (gpm)	MATERIAL	SYM. BOL	DESCRIPTION and COMMENTS
00 ft						SAND WITH GRAVEL & SILT - LIGHT BROWNISH GRAY (D) (10 YR 6/2), FINE COARSE SAND (50%), GRAVEL UP TO 14 mm (40%), SILT (10%), FELDSPAR (90%), QUARTZ (10%), VERY POORLY SORTED, SUBANGULAR TO SUBROUNDED, STRUCTURELESS, NO CONSOLIDATION; STRONG ACID REACTION; OTHER DATA NOT APPLICABLE. (00 ft - 10 ft).
10 ft	50 min 36 sec			SAND WITH GRAVEL & SILT		
20 ft	24 min 32 sec			GRAVEL WITH SANDS		GRAVEL w/ SAND - PINKISH GRAY (D) (7.5 YR 6/2), GRAVEL UP TO 30 x 20 mm (75%), COARSE-GRAINED SAND (20%), FINE TO MEDIUM SAND (5%), FELDSPAR (70%), LIMESTONE (20%), QUARTZ (10%), POORLY SORTED, ANGULAR TO SUBANGULAR, STRUCTURELESS, NO CONSOLIDATION; WEAK ACID REACTION EXCEPT FOR LIMESTONE. OTHER DATA NOT APPLICABLE (10-20 ft).
30 ft	23 min 31 sec			GRAVEL & SAND		GRAVEL & SAND: LIGHT BROWNISH GRAY (D) (10 YR 6/2), GRAVEL UP TO 12 x 16 mm (50%), COARSE SAND (25%), FINE TO MEDIUM SAND (25%), FELDSPAR (50%), IGNEOUS (20%), LIMESTONE (20%), QUARTZ (10%), POORLY SORTED, ANGULAR TO SUBROUNDED, STRUCTURELESS, NO CONSOLIDATION; STRONG ACID REACTION; OTHER DATA NOT APPLICABLE. (20-30 ft).
40 ft	30 min 15 sec			GRAVEL WITH SAND		GRAVEL w/ SAND: DARK GRAYISH BROWN (W) (10 YR 4/2), GRAVEL UP TO 12 mm (70%), COARSE SAND (25%), FINE SAND (5%), VOLCANIC FRAGMENTS (20%), LITHIC FRAGMENTS (20%), QUARTZ (20%), FELDSPAR (20%), LIMESTONE (20%), POORLY SORTED, ANGULAR TO SUBANGULAR, STRUCTURELESS, NO CONSOLIDATION; NO ACID REACTION EXCEPT LIMESTONE (30-40 ft).
50 ft	182 min 40 sec			SAND WITH GRAVEL		SAND w/ GRAVEL: DARK GRAYISH BROWN (W) (10 YR 4/2), MEDIUM SAND (50%), COARSE-GRAINED SAND (25%), GRAVEL UP TO 13 mm (25%), TRACE SILT & CLAY; FELDSPAR (80%), QUARTZ < 10%, TRACE LITHIC FRAGMENTS, TRACE CARBONATES, POORLY SORTED, SUBANGULAR TO SUBROUNDED, STRUCTURELESS, LOW CONSOLIDATION, NO ACID REACTION EXCEPT LS. (40-50 ft).
60 ft	122 min 32 sec			SAND		DARK GRAYISH BROWN (W) (10 YR 4/2), MEDIUM SAND (50%), COARSE SAND (25%), FINE SAND (15%), GRAVEL (10%), TRACE SILT & CLAY; FELDSPAR (80%), QUARTZ (15%), LITHIC FRAGMENTS (5%), POORLY SORTED, SUBANGULAR TO SUBROUNDED, STRUCTURELESS, LOW CONSOLIDATION, NO ACID REACTION; OTHER DATA NOT APPLICABLE. (50-60 ft).
70 ft	130 min 20 sec			SAND		SAND - BROWN (W) (10 YR 5/2), COARSE SAND (50%), MEDIUM SAND (50%), TRACE SILT, FELDSPAR (80%), QUARTZ (12%), LITHIC FRAGMENTS (2%), POORLY SORTED, SUBROUNDED TO ROUND, STRUCTURELESS, LOW CONSOLIDATION; NO ACID REACTION; OTHER DATA NOT APPLICABLE (60-70 ft).
80 ft	59 min 16 sec			SAND		SAND - BROWN (W) (10 YR 5/2), MEDIUM SAND (50%), FINE SAND (50%), TRACE SILT, FELDSPAR (8%), QUARTZ (20%), TRACE LITHIC FRAGMENTS, POORLY SORTED, SUBROUNDED TO ROUND, STRUCTURELESS, LOW CONSOLIDATION; NO ACID REACTION; OTHER DATA NOT APPLICABLE (70-80 ft).

LOCATION GARDEN VALLEY NEVADA - 2N-57E-15
 LOGGED BY K. Blase, K. Smith, H. H. Hime
 PROJECT ZANY MEDITE DRILLER PROGRAM
 MZ. PROJECT - 51 - 30

LOC. or COORDS. 2N-57E-15-6d.
GARDEN VALLEY NEVADA.
 GROUND ELEV. _____
 TOTAL DEPTH 1,097 ft.
 BOREHOLE DIAM. _____

DRILLER WRIGHT DRILL CO.
 DRILLER JASON / R. SMITH.
 RIG IR - TH - 60
 BIT(S) TRICONE
 FLUID CENTRITE

START FINISH
 DATE 8-7-80 8-15-80
 TIME _____
 GEOPHYS. LOG YES _____
 HOW LEFT _____

DEPTH	PENE RATE	CIRC RET. LOG	AIRLIFT Q (gpm)	MATERIAL	SYM. BOL.	DESCRIPTION and COMMENTS
80 ft	13 min 35 sec			GRAVEL		GRAVEL: GRAYISH-BROWN (W) (10YR 5/2) + GRAVEL (98%), SAND (2%), FELDSPAR (90%), QUARTZ (10%) - GRANITIC FRAGMENTS, LIME STONE FRAGMENTS & VOLC. FRAGMENTS; POORLY SORTED, ANGULAR TO SUBANGULAR; STRUCTURELESS; NO CONSOLIDATION; CARBONATES REACT TO ACID; OTHER DATA NOT APPLICABLE. (80-90 ft)
90 ft	20 min			SAND		SAND - DARK GRAYISH BROWN (W), (10YR 4/2), MEDIUM SAND (75%), FINE SAND (25%), FELDSPAR (80%), QUARTZ (10%), VOLCANICS (5%), LITHIC FRAGMENTS (5%), MEDIUM-WELL SORTED, SUBANGULAR TO SUB-ROUNDED; STRUCTURELESS; NO ACID REACTION; OTHER DATA NOT APPLICABLE. (90-100 ft)
100 ft	51 min 40 sec			SAND		SAND - DARK GRAYISH BROWN (W), (10YR 4/2); COARSE-SAND (50%), MEDIUM SAND (50%), TRACE GRAVEL, FELDSPAR (80%), LITHIC FRAGMENTS (10%), QUARTZ (5%), VOLCANICS (5%), MODERATE TO POORLY SORTED, LARGE FRAGMENTS ANGULAR TO SUBANGULAR, SMALLER FRAGMENTS SUBANGULAR TO SUBROUNDED, STRUCTURELESS, LOW CONSOLIDATION; NO ACID REACTION; OTHER DATA NOT APPLICABLE. (100-110 ft)
110 ft	134 min 45 sec			SAND		SAND w/ LITTLE GRAVEL - DARK GRAYISH BROWN (W), (10YR 4/2); COARSE-SAND (50%), MEDIUM SAND (50%), FELDSPAR (80%), LITHIC FRAGMENTS (10%), QUARTZ (5%), VOLCANICS (5%); MODERATE TO POORLY SORTED, ANGULAR TO SUBANGULAR - SUB-ROUNDED; STRUCTURELESS; LOW CONSOLIDATION; NO ACID REACTION; OTHER DATA NOT APPLICABLE. (110-120 ft)
120 ft	102 min 42 sec			SAND		SAND w/ LITTLE GRAVEL: DARK GRAYISH BROWN (W) (10YR 4/2); COARSE SAND (80%), MEDIUM SAND (5%), GRAVEL UP TO 12.5 mm (5%), FELDSPAR (80%), LITHIC FRAGMENTS (10%), QUARTZ (5%), VOLCANICS (5%), TRACE CARBONATE, POORLY SORTED, SUBANGULAR TO SUBROUNDED; STRUCTURELESS; LOW CONSOLIDATION; NO ACID REACTION EXCEPT CARBONATES. OTHER DATA NOT APPLICABLE. (120-130 ft)
130 ft	38 min 2 sec			GRAVEL		GRAVEL w/ SOME SAND: BROWN (W) (10YR 5/2), GRAVEL (80%), COARSE SAND (10%), MEDIUM SAND (10%), ROUND CHIPS; FELDSPAR (80%), LITHIC FRAGMENT (5%), QUARTZ (5%), POORLY SORTED, ANGULAR TO SUBANGULAR, STRUCTURELESS, LOW CONSOLIDATION; NO ACID REACTION; OTHER DATA NOT APPLICABLE (130-140 ft)
140 ft	40 min 1 sec			GRAVEL		GRAVEL w/ SOME SAND: BROWN (W) (10YR 5/2); GRAVEL (80%), COARSE SAND (10%), MEDIUM SAND (10%), LITHIC FRAGMENTS (6%), FELDSPAR (35%), QUARTZ (5%), POORLY SORTED, ANGULAR TO SUBANGULAR; STRUCTURELESS, LOW SPECIFICITY; LOW CONSOLIDATION; NO ACID REACTION; OTHER DATA NOT APPLICABLE (140-150 ft)
150 ft	23 min 14 sec			GRAVEL		GRAVEL w/ SOME SAND: GRAYISH BROWN (W) (10YR 5/2), GRAVEL (90%), COARSE SAND (5%), MEDIUM SAND (5%), ROUNDER CHIPS; LITHIC FRAGMENTS (5%), LIME CARBONATES & VOLCANICS, MEDIUM SAND IS 70% FELDSPAR, 30% QUARTZ, POORLY SORTED, ANGULAR TO SUBANGULAR; STRUCTURELESS, LOW SPECIFICITY; LOW CONSOLIDATION; NO ACID REACTION EXCEPT CARBONATES. OTHER DATA NOT APPLICABLE. (150-160 ft)

LOC. or COORDS. 2N-57E-15-6d.
GARDEN VALLEY NEVADA
 GROUND ELEV. _____
 TOTAL DEPTH 1,097 ft
 BOREHOLE DIAM. _____

DRILLER WRIGHT Drill Co
 DRILLER: _____
JASON / R. SMITH
 RIG IR-TH-60
 BIT(S) TRICONE - 7.9"
 FLUID BENTONITE

START FINISH
 DATE 8-7-80 8-15-80
 TIME _____
 GEOPHYS. LOG YES
 HOW LEFT _____

LOCATION GARDEN VALLEY NEVADA 2N-57E-15-6d
 LOGGED BY K. BLASE, K. KNIC, SCH. M. HURSE

PROJECT INTEGRATED WITH AIRBORNE MODELS
 11-10-80 - F1-30

DEPTH	PENE. RATE	CIRC. RET. (cc)	AIRLIFT (gpm)	MATERIAL	SYM. BOL.	DESCRIPTION and COMMENTS
160 ft	19 min 15 sec			SAND WITH GRAVEL	160'	SAND w/ GRAVEL: DARK REDDISH GRAY (W) (5YR 4/2), COARSE SAND (50%), MEDIUM SAND (25%), GRAVEL UP TO 20 x 12 mm (25%); FELDSPAR (75%), QUARTZ (25%) w/ LITHIC FRAGMENTS & VOLCANICS; POORLY SORTED, ANGULAR TO SUBROUNDED, SAND HIGH SPECIFICITY; STRUCTURELESS; NO CONSOLIDATION, NO ACID REACTION; OTHER DATA NOT APPLICABLE (160-170 ft)
170 ft	27 min 27 sec			SAND	170'	SAND: DARK REDDISH GRAY (W) (5YR 4/2), COARSE SAND (50%), MEDIUM SAND (30%), FINE SAND (20%), FELDSPAR (80%), QUARTZ & VOLCANICS (20%); MODERATELY SORTED, SUBANGULAR TO ROUNDED, MEDIUM SPECIFICITY; STRUCTURELESS; NO CONSOLIDATION, NO ACID REACTION; OTHER DATA NOT APPLICABLE (170-180 ft)
180 ft	27 min 3 sec			SAND	180'	SAND w/ LITTLE GRAVEL: REDDISH BROWN (W) (5YR 4/3), COARSE SAND (40%), MEDIUM SAND (25%), FINE SAND (25%), GRAVEL UP TO 20 x 13 mm (10%), FELDSPAR (90%), QUARTZ (10%); SORTING NOT STATED; SUBANGULAR TO SUBROUNDED, MEDIUM SPECIFICITY; STRUCTURELESS; NO CONSOLIDATION, NO ACID REACTION; OTHER DATA NOT APPLICABLE (180-190 ft)
190 ft	42 min 2 sec			SAND AND GRAVEL	190'	SAND & GRAVEL: DARK REDDISH GRAY (W) (5YR 4/2), COARSE SAND (9%), FINE AND MEDIUM SAND (10%), GRAVEL UP TO 20 mm (50%), FELDSPAR (50%), VOLCANICS, QUARTZ & LITHIC FRAGMENTS (20%); POORLY SORTED, SUBANGULAR TO SUBROUNDED, LOW SPECIFICITY; STRUCTURELESS; NO CONSOLIDATION, NO ACID REACTION EXCEPT TRACE CARBONATES; OTHER DATA NOT APPLICABLE (190-200 ft)
200 ft	26 min 41 sec			SAND WITH GRAVEL	200'	SAND w/ GRAVEL: BROWN (W) (10YR 4/3), COARSE SAND (50%), MEDIUM SAND (10%), GRAVEL UP TO 15 mm (40%), FELDSPAR (50%), QUARTZ (10%), BASALT (10%), OTHER VOLCANICS (20%); TRACE OLIVINE & CARBONATES; MODERATELY SORTED; ANGULAR TO SUBROUNDED; STRUCTURELESS; NO CONSOLIDATION; NO ACID REACTION; OTHER DATA NOT APPLICABLE (200-210 ft)
210 ft	41 min 40 sec			SAND	210'	SAND: REDDISH BROWN (W) (5YR 4/3), MEDIUM SAND (75%), COARSE SAND (25%), FELDSPAR (50%), VOLCANICS (40%), QUARTZ (10%); WELL-SORTED; ANGULAR TO SUBROUNDED; MEDIUM SPECIFICITY; STRUCTURELESS; NO CONSOLIDATION, NO ACID REACTION EXCEPT TRACE CARBONATES; OTHER DATA NOT APPLICABLE (210-220 ft)
220 ft	52 min 56 sec			SAND WITH GRAVEL	220'	SAND w/ GRAVEL: DARK REDDISH BROWN (W) (2.5YR 2/4), MEDIUM TO COARSE GRAINED SAND (70%), GRAVEL UP TO 15 mm (30%), FELDSPAR (80%), QUARTZ VOLCANICS (20%); MODERATELY SORTED, SUBANGULAR TO SUBROUNDED SAND HIGH SPECIFICITY, GRAVEL LOW SPECIFICITY; STRUCTURELESS; NO CONSOLIDATION, NO ACID REACTION; OTHER DATA NOT APPLICABLE (220-230 ft)
230 ft	50 min 13 sec			SAND	230'	SAND: DARK REDDISH BROWN (W) (2.5YR 2/4), COARSE GRAINED (90%), MEDIUM SAND (2%), TRACE FINE SAND, FELDSPAR (70%), QUARTZ (10%), VOLCANIC & LITHIC FRAGMENTS (20%); WELL SORTED, SUBANGULAR TO SUBROUNDED, MEDIUM SPECIFICITY; STRUCTURELESS; NO CONSOLIDATION, NO ACID REACTION EXCEPT TRACE CARBONATES; OTHER DATA NOT APPLICABLE (230-240 ft)
240 ft					240'	

LOG OF BOREHOLE

LOC. or COORDS. 2N-57-E-15-6d.
GREEN VALLEY - NEVADA.
 GROUND ELEV. _____
 TOTAL DEPTH 1,097 ft.
 BOREHOLE DIAM. _____

DRILLER WRIGHT DRILL CO.
 Drilling: _____
R. SMITH.
 RIG IR - TH - 60
 BIT(S) TECONE 9.9"
 FLUID BENTONITE.

START DATE <u>8-7-80</u>	FINISH DATE <u>8-15-80</u>
TIME _____	
GEOPHYS. LOG <u>YES</u>	
HOW LEFT _____	

LOCATION GREEN VALLEY NEVADA - 2N-57-E-15-6d
 LOGGED BY K. BLOSE, K. KNIRSCH, M. HUME
 MIX - PROJECT - EV - 80

DEPTH	PENE. RATE	CIRC. ACT. LOC.	AIRLIFT (gpm)	MATERIAL	SYM. BOL.	DESCRIPTION and COMMENTS
240 ft	20 min 36 sec			SAND		SAND - DARK GRAYISH BROWN (W) (10YR 4/2); COARSE SAND (30%), MEDIUM SAND (20%), TRACE GRAVEL (UP TO 15 x 12 MM.), FELDSPAR (30%), VOLCANICS (20%); WELL SORTED, SUBANGULAR TO SUBROUNDED, MEDIUM SPHERICITY, STRUCTURELESS, NO CONSOLIDATION, NO ACID REACTION EXCEPT CARBONATE (TRACES). OTHER DATA NOT APPLICABLE (240-250 ft).
250 ft	36 min 5 sec			SAND		SAND: BROWN (W) (10YR 4/3); COARSE SAND (30%), MEDIUM SAND (10%), FELDSPAR (30%), VOLCANICS (15%), QUARTZ (5%); WELL SORTED, SUBANGULAR TO SUBROUNDED, MEDIUM SPHERICITY; STRUCTURELESS; NO CONSOLIDATION, NO ACID REACTION EXCEPT TRACE CARBONATE, OTHER DATA NOT APPLICABLE (250-260 ft).
260 ft	13 min 49 sec			GRAVEL		GRAVEL w/ LITHIC SAND: DARK GRAY (W) (10YR 4/1); GRAVEL UP TO 12.5 MM (90%), COARSE SAND (10%), TRACE CLAY, LITHIC FRAGMENTS (60%), FELDSPAR (30%), QUARTZ (10%); MODERATE - WELL SORTED, ANGULAR TO SUBANGULAR (BOLD REACTION); LOW SPHERICITY; STRUCTURELESS; NO CONSOLIDATION, NO ACID REACTIONS (260-270 ft).
270 ft	26 min 4 sec			GRAVEL WITH SAND		GRAVEL w/ SAND: DARK GRAY (W) (10YR 4/1); GRAVEL (70%), COARSE SAND (20%), MEDIUM SAND (10%), LITHIC FRAGMENTS (60%), FELDSPAR (30%), QUARTZ (10%); MODERATELY SORTED, ANGULAR TO SUBANGULAR (SOME BULLDOZER CHIPS); LOW SPHERICITY; STRUCTURELESS; NO CONSOLIDATION, NO ACID REACTION; OTHER DATA NOT APPLICABLE (270-280 ft).
280 ft	25 min 14 sec			GRAVEL AND SAND		GRAVEL & SAND: DARK BROWN (W) (10YR 4/3); GRAVEL UP TO 25 MM (50%), MEDIUM SAND (40%), COARSE SAND (10%), LITHIC FRAGMENTS (80%), FELDSPAR (15%), QUARTZ (5%); SAND MOSTLY FELDSPAR; POORLY SORTED, ANGULAR TO ROUNDED; STRUCTURELESS, NO CONSOLIDATION, NO ACID REACTION; OTHER DATA NOT APPLICABLE (280-290 ft).
290 ft	14 min 18 sec			GRAVEL AND SAND		GRAVEL & SAND: DARK GRAYISH BROWN (W) (10YR 4/2); GRAVEL UP TO 7 MM (50%), COARSE SAND (50%), FELDSPAR (70%), LITHIC FRAGMENTS (25%), QUARTZ (5%); MODERATELY SORTED, SUBANGULAR TO SUBROUNDED, MEDIUM SPHERICITY; STRUCTURELESS, NO CONSOLIDATION; NO ACID REACTIONS; OTHER DATA NOT APPLICABLE (290-300 ft).
300 ft	11 min 20 sec			SAND		SAND: DARK GRAYISH BROWN (W) (10YR 4/2); COARSE GRAINED SAND w/ TRACE OF FINE GRAVEL; FELDSPAR (30%), VOLCANICS (40%), QUARTZ (10%); WELL SORTED, ANGULAR TO SUBANGULAR; LOW SPHERICITY; STRUCTURELESS, NO CONSOLIDATION, NO ACID REACTIONS; OTHER DATA NOT APPLICABLE (300-310 ft).
310 ft	12 min 56 sec			SAND		SAND w/ SOME GRAVEL: DARK GRAYISH BROWN (W) (10YR 4/2); FINE GRAINED SAND (70%), MEDIUM SAND (20%), GRAVEL UP TO 8 x 4 MM (10%); FELDSPAR (6%), VOLCANICS (2%), QUARTZ (10%); MODERATELY SORTED, MEDIUM SPHERICITY, STRUCTURELESS, NO CONSOLIDATION, NO ACID REACTIONS; OTHER DATA NOT APPLICABLE (310-320 ft).
320 ft						

LOC. or COORDS. 2 N-57-E 15 6d.
GARDEN VALLEY NEVADA
 GROUND ELEV. _____
 TOTAL DEPTH 1,097 ft.
 BOREHOLE DIAM. _____

DRILLER WRIGHT DRILL CO.
Drilling:
R SMITH
 RIG IR-TH-60
 BIT(S) TRICONE 9' 9"
 FLUID PEARLONITE

START DATE 8-7-80 FINISH DATE 8-15-80
 TIME _____
 GEOPHYS. LOG YES HOW LEFT _____

LOGGED BY K. BLOSE, K. ENICSEH, M. HUNTER

DEPTH	PENE. RATE	CIRC. REF. LOG	AIRLIFT Q (gpm)	MATERIAL	SYM-BOL	DESCRIPTION and COMMENTS
- 320 ft	14 min 44 sec			SAND	320'	SAND/SOME GRAVEL: DARK GRAYISH BROWN (W) (10YR 4/2); COARSE SAND (70%), MEDIUM SAND (20%); GRAVEL UP TO 12+mm (10%); FELDSPAR (80%), VOLCANICS (20%); MODERATELY SORTED; SUBANGULAR TO SUBROUNDED, SAND MEDIUM SPHERICITY; STRUCTURELESS; NO CONSOLIDATION; NO ACID REACTION; OTHER DATA NOT APPLICABLE. (320-330 ft).
- 330 ft	16 min 44 sec			GRAVEL WITH SAND	330'	GRAVEL W/ SAND: DARK GRAYISH BROWN (W) (10YR 4/2); GRAVEL (60%); CONC. SE-SAND (20%); MEDIUM SAND (20%); FELDSPAR (80%); QUARTZ (10%); VOLCANICS (10%); WELL SORTED; SUBANGULAR TO SUBROUNDED, SAND MEDIUM SPHERICITY; GRAVEL LOW SPHERICITY; STRUCTURELESS; NO CONSOLIDATION; NO ACID REACTION; OTHER DATA NOT APPLICABLE. (330-340 ft).
- 340 ft	20 min 15 sec			SAND W/ SOME GRAVEL	340'	SAND W/ SOME GRAVEL: DARK GRAYISH BROWN (W) (10YR 4/2); COARSE MEDIUM SAND (40%); GRAVEL (10%); FELDSPAR (80%); QUARTZ (15%); VOLCANICS (5%); MODERATE WELL SORTED; SUBROUNDED TO ROUNDED, MEDIUM SPHERICITY; STRUCTURELESS; NO CONSOLIDATION; NO ACID REACTION; OTHER DATA NOT APPLICABLE. (340-350 ft).
- 350 ft	21 min 58 sec			SAND	350'	SAND: DARK GRAYISH BROWN (W) (10YR 4/2); COARSE SAND (60%); MEDIUM SAND (40%); FELDSPAR (80%); QUARTZ (15%); VOLCANICS (5%); WELL SORTED; SUBROUNDED TO ROUNDED, HIGH SPHERICITY; STRUCTURELESS; NO CONSOLIDATION; NO ACID REACTION; OTHER DATA NOT APPLICABLE. (350-360 ft).
- 360 ft	23 min 32 sec			SAND	360'	SAND: DARK GRAYISH BROWN (W) (10YR 4/2); COARSE SAND (50%); MEDIUM SAND (30%); FINE SAND (20%); FELDSPAR (80%); QUARTZ (10%); LITHIC FINE ALUMIN (5%); VOLCANICS (5%); WELL SORTED; SUBROUNDED TO ROUNDED, HIGH SPHERICITY; STRUCTURELESS; NO CONSOLIDATION; NO ACID REACTION; OTHER DATA NOT APPLICABLE. (360-370 ft).
- 370 ft	29 min 2 sec			GRAVEL	370'	GRAVEL W/ SOME SAND: DARK GRAYISH BROWN (W) (10YR 4/2); COARSE GRAVEL UP TO 18 mm (80%); FELDSPAR (70%); QUARTZ (10%); VOLCANICS (20%); POORLY SORTED; SUBANGULAR TO SUBROUNDED, MEDIUM SPHERICITY; STRUCTURELESS; NO CONSOLIDATION; NO ACID REACTION; OTHER DATA NOT APPLICABLE. (370-380 ft).
- 380 ft	24 min 34 sec			SAND WITH SOME GRAVEL	380'	SAND WITH SOME GRAVEL: DARK GRAYISH BROWN (W) (10YR 4/2); COARSE MEDIUM SAND (15%); FINE SAND (15%); GRAVEL UP TO 15 mm (20%); FELDSPAR (70%); VOLCANICS (20%); QUARTZ (10%); POORLY SORTED; SUBANGULAR, MEDIUM SPHERICITY; STRUCTURELESS; NO CONSOLIDATION; NO ACID REACTION; OTHER DATA NOT APPLICABLE. (380-390 ft).
- 390 ft	25 min 19 sec			SAND WITH SOME GRAVEL	390'	SAND W/ SOME GRAVEL: DARK GRAYISH BROWN (W) (10YR 4/2); COARSE MEDIUM SAND (30%); GRAVEL UP TO 12 mm (10%); FELDSPAR (80%); VOLCANICS (10%); QUARTZ (10%); MODERATELY SORTED; SUBANGULAR TO SUBROUNDED, GRAVEL SUBANGULAR; STRUCTURELESS; NO CONSOLIDATION; NO ACID REACTION; OTHER DATA NOT APPLICABLE. (390-400 ft).
- 400 ft					400'	

LOC. or COORDS. 2 N - S7 - E - 15 - 6d.
GARDEN VALLEY NEVADA
 GROUND ELEV. _____
 TOTAL DEPTH 1,097 ft
 BOREHOLE DIAM. _____

DRILLER WRIGHT DRILL CO.
 DRILLING: _____
P. SMITH.
 RIG IR - TH - 60
 BIT(S) TRICONE 9'9"
 FLUID BENTONITE

START FINISH
 DATE 8-7-80 8-15-80
 TIME _____
 GEOPHYS. LOG YES
 HOW LEFT _____

LOCATION GARDEN VALLEY NEVADA 2N-S7-E-15-6d
 LOGGED BY K. LEISE, K. SMIRNICH, M. HUME
 PROJECT FY - 80

DEPTH	PENE. RATE	CIRC. RET. LOSS	AIRLIFT (gpm)	MATERIAL	SYM. BOL	DESCRIPTION and COMMENTS
400 ft	28 min 20 sec			SAND	400'	SAND - DARK GRAYISH BROWN (W) (10YR 4/2); MEDIUM SAND (50%), COARSE SAND (25%), FINE SAND (25%), GRAVEL UP TO 10mm (TRACES); FELDSPAR (6%), VOLCANICS (20%), QUARTZ (20%); MODERATE SORTING, SUB-ANGULAR, MODERATE SPHERICITY, STRUCTURELESS, NO CONSOLIDATION, NO ACID REACTION; OTHER DATA NOT APPLICABLE (400 - 410 ft).
410 ft	49 min 6 sec			SAND	410'	SAND w/ SOME GRAVEL - DARK GRAYISH BROWN (W) (10YR 4/2); COARSE SAND (50%), MEDIUM SAND (30%) & FINE SAND (10%), SUBANGULAR UP TO 13mm (10%), FELDSPAR (8%), VOLCANICS (20%); MODERATELY SORTED, SUBANGULAR TO SUBROUNDED, MODERATE SPHERICITY, STRUCTURELESS; NO CONSOLIDATION, NO ACID REACTION; OTHER DATA NOT APPLICABLE (410 - 420 ft)
420 ft	39 min 26 sec			SAND	420'	SAND DARK GRAYISH BROWN (W) (10YR 4/2); COARSE SAND (60%), MEDIUM SAND (20%), FINE SAND (10%); TRACE GRAVEL (UP TO 10mm), FELDSPAR (7%), VOLCANICS (20%), QUARTZ (10%); MODERATELY SORTED, SUBANGULAR, MEDIUM SPHERICITY; STRUCTURELESS, NO CONSOLIDATION; NO ACID REACTION; OTHER DATA NOT APPLICABLE (420 - 430 ft)
430 ft	27 min 15 sec			SAND	430'	SAND w/ LITTLE GRAVEL - DARK GRAYISH BROWN (W) (10YR 4/2); COARSE SAND (40%), MEDIUM SAND (40%), FINE SAND (10%), GRAVEL UP TO 12mm (10%); MODERATELY SORTED, SAND SUBANGULAR TO SUBROUNDED, MEDIUM SPHERICITY; GRAVEL SUBANGULAR; STRUCTURELESS, NO CONSOLIDATION; SLIGHT ACID REACTION; OTHER DATA NOT APPLICABLE (430 - 440 ft).
440 ft	21 sec 57 sec			SAND	440'	SAND - DARK GRAYISH BROWN (W) (10YR 4/2); COARSE SAND (50%), MEDIUM (40%), FINE SAND (10%), FELDSPAR (8%), VOLCANICS (15%), QUARTZ (5%); MODERATE - GOOD SORTING, MEDIUM SPHERICITY, SUBANGULAR TO SUBROUNDED; STRUCTURELESS, NO CONSOLIDATION, NO ACID REACTION; OTHER DATA NOT APPLICABLE (440 - 450 ft)
450 ft	20 min 55 sec			SAND	450'	SAND DARK GRAYISH BROWN (W) (10YR 4/2); COARSE SAND (50%), MEDIUM (40%), FINE SAND (10%), TRACE GRAVEL (UP TO 12mm), FELDSPAR (8%), QUARTZ (10%), VOLCANICS (10%); MODERATELY SORTED, SUBANGULAR TO SUBROUNDED; STRUCTURELESS, NO CONSOLIDATION, NO ACID REACTION; OTHER DATA NOT APPLICABLE (450 - 460 ft)
460 ft	15 min 49 sec			SAND	460'	SAND - DARK GRAYISH BROWN (W) (10YR 4/2); COARSE SAND (50%), MEDIUM (40%), FINE SAND (10%), FELDSPAR (8%), VOLCANICS (15%), QUARTZ (5%); MODERATE - GOOD SORTING, MEDIUM SPHERICITY, SUBANGULAR TO SUBROUNDED, STRUCTURELESS, NO CONSOLIDATION, NO ACID REACTION; OTHER DATA NOT APPLICABLE (460 - 470 ft).
470 ft	24 min 45 sec			SAND	470'	SAND - DARK GRAYISH BROWN (W) (10YR 4/2) SAME AS ABOVE (460 - 470')
480 ft					480'	

LOC. or COORDS. 2N-57E 15 6d.
 GARDEN VALLEY NEVADA
 GROUND ELEV. _____
 TOTAL DEPTH 1,097 ft.
 BOREHOLE DIAM. _____

DRILLER WRIGHT DRILL CO
 DRILLING: _____
 R. SMITH
 RIG IR - TH - 60
 BIT(S) TRICONE 9.9"
 FLUID BENTONITE.

START FINISH
 DATE 8-7-80 8-15-80
 TIME _____
 GEOPHYS. LOG YES
 HOW LEFT _____

LOCATION GARDEN VALLEY NEVADA 2N-57E 15 6d.
 LOGGED BY E. G. KERNESCH, M. L. HART.
 PROJECT INTERMEDIATE ADVISER PROGRAM
 REX - PROJECT FY - 80

DEPTH	PENE. RATE	CIRC. RET. LOSS	AIRLIFT (gpm)	MATERIAL	SYM. BOL	DESCRIPTION and COMMENTS
480 ft	27 min 10 sec			SAND	480'	SAND - DARK GREYISH BROWN (W) (10YR 4/2); MEDIUM SAND (55%), FINE SAND (20%); FELDSPAR (80%), QUARTZ (15%), VOLCANICS (5%); GOOD SORTING, MEDIUM SPHERICITY, SUBANGULAR TO SUBCOUNDED, STRUCTURELESS, NO CONSOLIDATION, NO ACID REACTION, OTHER DATA NOT APPLICABLE. (480-490 ft).
490 ft	22 min 30 sec			SAND	490'	SAND - DARK GREYISH BROWN (W) (10YR 4/2); COARSE SAND (40%), MEDIUM SAND (40%), FINE SAND (20%), TRACE GRAVEL (UP TO 12 MM), FELDSPAR (70%), VOLCANICS (20%), QUARTZ (10%), MODERATELY SORTED, MEDIUM SPHERICITY, SUBANGULAR TO SUBCOUNDED, STRUCTURELESS, NO CONSOLIDATION, NO ACID REACTION EXCEPT CARBONATES (TRACES), OTHER DATA NOT APPLICABLE (490-500 ft).
500 ft	20 min 41 sec			SAND	500'	SAND - GREYISH BROWN (W) (10YR 5/2); MEDIUM SAND (60%), COARSE SAND (20%), FINE SAND (20%); FELDSPAR (80%), VOLCANICS (10%), QUARTZ (10%); WELL SORTED, ANGULAR TO SUBCOUNDED, MEDIUM SPHERICITY; STRUCTURELESS, NO CONSOLIDATION; NO ACID REACTION EXCEPT TRACE CARBONATES; OTHER DATA NOT APPLICABLE; (500-510 ft).
510 ft	17 min 41 sec			SAND	510'	SAND - GREYISH BROWN (W) (10YR 5/2); COARSE SAND (60%), MEDIUM SAND (30%), FINE SAND (10%); FELDSPAR (80%), VOLCANICS (10%), QUARTZ (10%); WELL SORTED, SUBANGULAR, LOW SPHERICITY, STRUCTURELESS, NO CONSOLIDATION, NO ACID REACTION EXCEPT TRACE CARBONATE; OTHER DATA NOT APPLICABLE (510-520 ft).
520 ft	22 min 22 sec			SAND	520'	SAND - GREYISH BROWN (W) (10YR 5/2); COARSE SAND (70%), MEDIUM SAND (30%), FELDSPAR (70%), VOLCANIC FRAGMENTS (20%), QUARTZ (10%); WELL SORTED, SUBANGULAR TO SUBCOUNDED, MEDIUM SPHERICITY, STRUCTURELESS, NO CONSOLIDATION, NO ACID REACTION, OTHER DATA NOT APPLICABLE. (520-530 ft).
530 ft	42 min 23 sec			SAND	530'	SAND - DARK GREYISH (W) (10YR 4/1); COARSE SAND (50%), MEDIUM SAND (50%), MAINLY FELDSPAR, TRACE QUARTZ & VOLCANICS; WELL SORTED, SUBANGULAR, MEDIUM SPHERICITY, STRUCTURELESS, NO CONSOLIDATION, NO ACID REACTION, OTHER DATA NOT APPLICABLE. (530-540 ft).
540 ft	25 min 30 sec			SAND	540'	SAND - DARK GREYISH BROWN (W) (10YR 4/2); COARSE SAND (50%), MEDIUM SAND (40%), FINE SAND (10%); FELDSPAR (80%), VOLCANICS (10%), QUARTZ (10%); WELL SORTED, SUBANGULAR HIGH SPHERICITY, STRUCTURELESS, NO CONSOLIDATION, NO ACID REACTION, OTHER DATA NOT APPLICABLE. (540-550 ft).
550 ft	20 min 48 sec			SAND	550'	SAND - DARK GREYISH BROWN (W) (10YR 4/2); COARSE SAND (50%), MEDIUM SAND (50%), MAINLY FELDSPAR (50%), QUARTZ (30%), VOLCANIC (20%); WELL SORTED, ANGULAR TO SUBANGULAR, MEDIUM SPHERICITY, STRUCTURELESS, NO CONSOLIDATION, NO ACID REACTION, OTHER DATA NOT APPLICABLE. (550-560 ft).

LOC. or COORDS. 2N-57E-15 8d.
GARDEN VALLEY NEVADA.
 GROUND ELEV. _____
 TOTAL DEPTH 1,097 ft.
 BOREHOLE DIAM. _____

DRILLER WRIGHT DRILL CO
 Drilling: _____
Ken Wright
 RIG IR - TA. 60
 BIT(S) TRICONE
 FLUID BENTONITE

START DATE 8-7-80 FINISH DATE 8-15-80
 TIME _____
 GEOPHYS. LOG _____ YES _____
 HOW LEFT _____

LOCATION GARDEN VALLEY NEVADA 2N-57E
 LOGGED BY K. POSE K. KRICHEK M. HUME.

PROJECT UNRECOVERED QUINCY F-20
 MX - Project FY - 80

DEPTH	PENE RATE	CIRC RET. LOSS	AIRLIFT Q (gpm)	MATERIAL	SYM BOL	DESCRIPTION and COMMENTS
560 ft.	24 min 28 sec			SAND		SAND - DARK GRAYISH BROWN (W) (10YR 4/2); COARSE SAND (50%), MEDIUM SAND (50%); FINE GRAVEL (TRACES); MAINLY FELDSPAR (50%), QUARTZ (30%); OTHERS (20%); WELL SORTED, ANGULAR TO SUBANGULAR, MEDIUM SPHERICITY, STRUCTURELESS, NO CONSOLIDATION, NO ACID REACTION, OTHER DATA NOT APPLICABLE. (560 - 570 ft.)
570 ft.	23 min 16 sec			SAND		SAND - DARK GRAYISH BROWN (W) (10YR 4/2); MEDIUM SAND (50%); COARSE SAND (40%); FINE SAND (10%); TRACE FINE GRAVEL; FELDSPAR (50%); QUARTZ (30%); MODERATELY SORTED, ANGULAR LOW SPHERICITY; STRUCTURELESS, NO CONSOLIDATION, NO ACID REACTION, OTHER DATA NOT APPLICABLE. (570 - 580 ft.)
580 ft.	26 min 43 sec			SAND		SAND DARK GRAYISH BROWN (W) (10YR 4/2); MEDIUM SAND (50%); COARSE SAND (30%); FINE SAND (20%); WIDE MINERALOGY; FELDSPAR (50%); QUARTZ OTHERS (20%); MODERATELY SORTED, SUBANGULAR, MEDIUM SPHERICITY, STRUCTURELESS, NO CONSOLIDATION, NO ACID REACTION, OTHER DATA NOT APPLICABLE. (580 - 590 ft.)
590 ft.	23 min 36 sec			SAND W/ SOME GRAVEL		SAND W/ SOME GRAVEL - DARK GRAYISH BROWN (W) (10YR 4/2); COARSE SAND (50%); MEDIUM SAND (40%); FINE GRAVEL (10%); WIDE MINERALOGY; FELDSPAR (70%); QUARTZ - VOLCANICS & OPHIOCLASE (30%); SORTING NOT STATED, SUBANGULAR, MEDIUM SPHERICITY, STRUCTURELESS, NO CONSOLIDATION, NO ACID REACTION (EXCEPT CARBONATE); OTHER DATA NOT APPLICABLE. (590 - 600 ft.)
600 ft.	36 min 8 sec			SAND W/ SOME GRAVEL		SAND W/ SOME GRAVEL - OLIVE - GRAY (W) (5Y 4/2); (SAMPLE CONTAMINATED W/ SEPARATED DRILLERS MUD); COARSE SAND (40%); MEDIUM SAND (30%); FINE SAND (10%); GRAVEL (20%); WIDE MINERALOGY; FELDSPAR (50%); QUARTZ (20%); OPHIOCLASE & VOLCANICS (10%); POORLY SORTED; SUBANGULAR MEDIUM SPHERICITY; STRUCTURELESS, NO CONSOLIDATION, SLIGHT ACID REACTION. (600 - 610 ft.)
610 ft.	42 min 34 sec			SAND		SAND GREY (W) (10YR 5/1); MEDIUM SAND (60%); COARSE SAND (25%); FINE SAND (15%); TRACE GRAVEL (UP TO 6mm); FELDSPAR (80%); QUARTZ (15%); VOLCANICS (5%); POOR SORTING, SUBANGULAR TO SUBANGULARIZED, MEDIUM SPHERICITY, STRUCTURELESS, NO CONSOLIDATION, NO ACID REACTION, OTHER DATA NOT APPLICABLE. (610 - 620 ft.)
620 ft.	40 min 7 sec			SAND		SAND W/ LITTLE GRAVEL - DARK GRAYISH BROWN (W) (10YR 4/2); COARSE SAND (40%); MEDIUM SAND (30%); FINE SAND (25%); GRAVEL UP TO 6mm (5%); FELDSPAR (80%); QUARTZ (10%); VOLCANICS (10%); POOR SORTING, SUBANGULAR TO SUBANGULARIZED, MEDIUM SPHERICITY, STRUCTURELESS, NO CONSOLIDATION, NO ACID REACTION, OTHER DATA NOT APPLICABLE. (620 - 630 ft.)
630 ft.	48 min 8 sec			SAND		SAND - DARK GRAYISH BROWN (W) (10YR 4/2); COARSE SAND (40%); MEDIUM SAND (50%); FINE GRAINED (10%); FELDSPAR (80%); VOLCANICS (15%); QUARTZ (5%); POOR SORTING, SUBANGULAR TO SUBANGULARIZED, MEDIUM SPHERICITY, STRUCTURELESS, NO CONSOLIDATION, NO ACID REACTION, OTHER DATA NOT APPLICABLE. (630 - 640 ft.)

LOC. or COORDS. 2N-57E-15-6d.
GARDEN VALLEY NEVADA.
 GROUND ELEV. _____
 TOTAL DEPTH 1,097 ft.
 BOREHOLE DIAM. _____

DRILLER WRIGHT DRILL CO
Drilling.
ORIG. R. SMITH.
 RIG IC-TH-60
 BIT(S) TRICONE
 FLUID BENTONITE.

START DATE 8-7-80 FINISH DATE 9-15-80
 TIME _____
 GEOPHYS. LOG YES _____
 HOW LEFT _____

LOCATION 2N-57E-15-6d. LOGGED BY E. PLANE - F. HANCOCK - W. DAVIS.

DEPTH	PENE. RATE	CIRC. RET. LOSS	AIRLIFT (gpm)	MATERIAL	SYM. BOL.	DESCRIPTION and COMMENTS
640 ft	55 min 40 sec			SAND		SAND - DARK GLAYISH BROWN (W) (10YR 4/2), COARSE SAND (70%), MEDIUM SAND (20%), FINE GRAINED (10%), TRACE GRAVEL, FELDSPAR (70%), VOLCANICS (15%), QUARTZ (5%), POOR SORTING, SUBANGULAR TO SUBROUNDED, MEDIUM SPECIFICITY, STRUCTURELESS, NO CONSOLIDATION, NO ACID REACTIONS; OTHER DATA NOT APPLICABLE (640-650 ft).
650 ft	51 min 36 sec			SAND		SAND: DARK GRAYISH BROWN (W) (10YR 4/2), COARSE SAND (80%), MEDIUM SAND (10%), FINE SAND (10%), FELDSPAR (80%), VOLCANICS (15%), QUARTZ (5%), MODERATE GOOD SORTING, SUBANGULAR TO SUBROUNDED, MEDIUM SPECIFICITY, STRUCTURELESS, NO CONSOLIDATION, NO ACID REACTIONS; OTHER DATA NOT APPLICABLE (650-660 ft).
660 ft	55 min 25 sec			SAND		SAND - DARK GLAYISH BROWN (W) (10YR 4/2) SAME AS ABOVE (650-660 ft).
670 ft	48 min 30 sec			SAND		SAND - DARK GLAYISH BROWN (W) (10YR 4/2), COARSE SAND (80%), MEDIUM SAND (10%), FINE SAND (10%), FELDSPAR (70%), VOLCANICS (15%), LITHIC FRAGMENTS (10%), QUARTZ (5%), POOR SORTING, ANGULAR TO SUBANGULAR, LOW SPECIFICITY, STRUCTURELESS, NO CONSOLIDATION, NO ACID REACTIONS; OTHER DATA NOT APPLICABLE (670-680 ft).
680 ft	54 min 8 sec			SAND		SAND: DARK GRAYISH BROWN (W) (10YR 4/2), COARSE SAND (80%), MEDIUM SAND (10%), FINE SAND (10%), FELDSPAR (70%), VOLCANICS (20%), QUARTZ (10%), MODERATE TO GOOD SORTING, SUBANGULAR TO SUBROUNDED, MEDIUM SPECIFICITY, STRUCTURELESS, NO CONSOLIDATION, NO ACID REACTIONS; OTHER DATA NOT APPLICABLE (680-690 ft).
690 ft	48 min 20 sec			GRAVEL WITH SAND		GRAVEL w/SAND: DARK GLAYISH BROWN (W) (10YR 4/2), GRAVEL UP TO 8mm (20%), MEDIUM SAND (20%), FINE SAND (10%); GRAVEL: 60% LITHIC FRAGMENTS, 20% VOLCANICS, 10% FELDSPAR; WELL SORTED, ANGULAR TO SUBANGULAR, HIGH SPECIFICITY, STRUCTURELESS, LOW CONSOLIDATION, NO ACID REACTION; OTHER DATA NOT APPLICABLE (690-700 ft).
700 ft	50 min 11 sec			SAND		SAND: DARK GRAYISH BROWN (W) (10YR 4/2), COARSE SAND (75%), MEDIUM SAND (20%), FINE SAND (10%), FELDSPAR (80%), VOLCANICS (15%), QUARTZ (5%), MODERATE GOOD SORTING, SUBANGULAR TO SUBROUNDED, MEDIUM SPECIFICITY, STRUCTURELESS, NO CONSOLIDATION, NO ACID REACTION; OTHER DATA NOT APPLICABLE (700-710 ft).
710 ft	51 min 57 sec			SAND		SAND - DARK GLAYISH BROWN (W) (10YR 4/2), COARSE SAND (75%), MEDIUM SAND (20%), FINE SAND (10%), FELDSPAR (75%), VOLCANICS (15%), QUARTZ (5%), MODERATE GOOD SORTING, SUBANGULAR TO SUBROUNDED, MEDIUM SPECIFICITY, STRUCTURELESS, NO CONSOLIDATION, NO ACID REACTION; OTHER DATA NOT APPLICABLE (710-720 ft).
720 ft						

11-PROJECT - EX - 80

LOC. or COORDS. 2N-57E-15-6d.
GARDEN VALLEY NEBRASKA.
 GROUND ELEV. _____
 TOTAL DEPTH 1,097 ft.
 BOREHOLE DIAM. _____

DRILLER WRIGHT Drill Co
Drilling
CRAIG R SMITH
 RIG IR-TH-60
 BIT(S) TRICONE
 FLUID BENTONITE

START DATE 8-7-80 TIME _____
 GEOPHYS. LOG _____ YES _____
 HOW LEFT _____

LOCATION GARDEN VALLEY NEBRASKA
 LOGGED BY RISE - RICH - S. PLUM

PROJECT INTERMEDIATE ALIQUOT PROGRAM
 AIX - PROJECT EY - 80

DEPTH	PENE RATE	CIRC NET LOSS	AIRLIFT Q (gpm)	MATERIAL	SYM BOL	DESCRIPTION and COMMENTS
-720 ft	54 min 17 sec					NO SAMPLE
-730 ft	66 min 59 sec			SAND		SAND: DACK GRAYISH BROWN (W) (10YR 4/2), COARSE SAND (70%), MEDIUM SAND (20%), FINE SAND (10%), FELDSPAR (65%), VOLCANICS (30%), QUARTZ (5%), MODERATE SORTING, SUBANGULAR TO SUBROUNDED, MEDIUM SPHERICITY, STRUCTURELESS, NO CONSOLIDATION, NO ACID REACTIONS, OTHER DATA NOT APPLICABLE (730-740 ft).
-740 ft	69 min 46 sec			SAND		SAND: DARK GRAYISH BROWN (W) (10YR 4/2), COARSE SAND (80%), MEDIUM SAND (15%), FINE SAND (5%), FELDSPAR (65%), VOLCANICS (30%), QUARTZ (5%), MODERATE TO GOOD SORTING, SUBANGULAR TO SUBROUNDED, MEDIUM SPHERICITY, STRUCTURELESS, NO CONSOLIDATION, NO ACID REACTION, OTHER DATA NOT APPLICABLE (740-750 ft).
-750 ft	97 min 54 sec			SAND		SAND DACK BROWN (W) (7.5 YR 4/2), MEDIUM SAND (50%), COARSE (30%), FINE SAND (20%), VOLCANICS & CARBONATES (45%), QUARTZ (25%), FELDSPAR (20%), MAFICS (10%), POORLY SORTED, SUBROUNDED TO ANGULAR, STRUCTURELESS, NO ACID REACTION, OTHER DATA NOT APPLICABLE (750-760 ft).
-760 ft	78 min 41 sec			SAND		SAND: BROWN (W) (7.5 YR 4/2), MEDIUM SAND (50%), FINE SAND (30%), COARSE SAND (20%), VOLCANIC FRAGMENTS (30%), QUARTZ (60%), FELDSPAR (15%), CARBONATE (15%), LITHIC FRAGMENTS (10%), MAFICS (10%), POORLY SORTED, ANGULAR TO SUBROUNDED, STRUCTURELESS, NO ACID REACTIONS, OTHER DATA NOT APPLICABLE (760-770 ft).
-770 ft	83 min 41 sec			SAND		SAND: BROWN (W) (7.5 YR 4/2), MEDIUM SAND (50%), COARSE SAND (30%), FINE SAND (20%), QUARTZ (30%), FELDSPAR (20%), VOLCANICS (20%), LITHIC FRAGMENTS (10%), CARBONATES (10%), MAFICS (10%), POORLY SORTED, ANGULAR TO SUBROUNDED, STRUCTURELESS, NO ACID REACTION, OTHER DATA NOT APPLICABLE (770-780 ft).
-780 ft	61 min 06 sec			SAND		SAND: SAME AS ABOVE (770-780 ft) - GREY FOR AN INCREASE IN FINE SAND TO 30%.
-790 ft	71 min 23 sec			SAND		SAND: BROWN (W) (7.5 YR 4/2), MEDIUM SAND (50%), COARSE SAND (30%), FINE SAND (15%), CLAY (5%), QUARTZ (25%), FELDSPAR (20%), LITHIC FRAGMENTS (15%), CARBONATES (15%), MAFICS (15%), POORLY SORTED, ANGULAR TO SUBROUNDED, STRUCTURELESS, NO ACID REACTION, OTHER DATA NOT APPLICABLE (790-810 ft).
-800 ft						

LOG OF BOREHOLE

LOC. or COORDS. 2N-57E-15-6d
GARDEN VALLEY NEVADA
 GROUND ELEV. _____
 TOTAL DEPTH 1,097 ft.
 BOREHOLE DIAM. _____

DRILLER WRIGHT DRILL CO
 Drilling: _____
CRAIG R. SMITH
 RIG IR-TH-60
 BIT(S) TRICONITE
 FLUID BENTONITE

START DATE 8-7-80 | FINISH DATE 8-15-80
 TIME _____
 GEOPHYS. LOG YES
 HOW LEFT _____

DEPTH	PENE RATE	CIRC ACT LOSS	AIRLIFT (gpm)	MATERIAL	SYM BOL	DESCRIPTION and COMMENTS
800 ft.	23 min 21 sec			SAND		SAND W/ SOME GRAVEL: BROWN (W) (7.5 YR 4/2), COARSE SAND (40%), MEDIUM SAND (25%), FINE SAND (10%), GRAVEL (15%), LITHIC FRAGMENTS (25%), QUARTZ (25%), FELDSPAR (20%), VOLCANICS (15%), MAFICS (10%), CARBONATE (5%), POORLY SORTED, ANGULAR TO SUBROUNDED, STRUCTURELESS, NO ACID REACTION; OTHER DATA NOT APPLICABLE (800-810 ft)
810 ft.	33 min 18 sec			SANDS WITH GRAVEL		SANDS W/ GRAVEL: GRAY (W) (10YR 6/7), COARSE SAND (50%), MEDIUM SAND (25%), FINE SAND (10%), GRAVEL (15%), VOLCANIC FRAGMENTS (35%), QUARTZ (20%), FELDSPAR (20%), LITHIC FRAGMENTS (15%), MAFICS (5%), CARBONATE (5%), POORLY SORTED, ANGULAR TO SUBROUNDED, STRUCTURELESS; SLIGHT REACTIONS TO ACID; OTHER DATA NOT APPLICABLE. (810-820 ft)
820 ft.	33 min 53 sec			SAND WITH SOME GRAVEL		SAND W/ SOME GRAVEL: DARK GRAYISH BROWN (W) (10YR 4/2), COARSE SAND (45%), MEDIUM SAND (20%), FINE SAND (15%), GRAVEL (10%), VOLCANIC FRAGMENTS (35%), FELDSPAR (25%), QUARTZ (20%), LITHIC FRAGMENTS (10%), MAFICS (5%), CARBONATE (5%), POORLY SORTED, ANGULAR TO SUBROUNDED, STRUCTURELESS; NO ACID REACTION; OTHER DATA NOT APPLICABLE. (820-830 ft)
830 ft.	47 min 34 sec			SAND WITH SOME GRAVEL		SAND W/ SOME GRAVEL: DARK GRAYISH BROWN (W) (10YR 4/2), COARSE SAND (40%), MEDIUM SAND (35%), FINE SAND (15%), GRAVEL (10%), VOLCANICS (35%), QUARTZ (25%), FELDSPAR (20%), LITHIC FRAGMENTS (10%), CARBONATE (5%), MAFIC (5%); POORLY SORTED, ANGULAR TO SUBROUNDED; STRUCTURELESS, SLIGHT ACID REACTION; OTHER DATA NOT APPLICABLE (830-840 ft)
840 ft.	45 min 38 sec			SAND		SAND: DARK GRAYISH BROWN (W) (10YR 4/2), COARSE SAND (45%), MEDIUM SAND (40%), FINE SAND (15%), VOLCANICS (40%), QUARTZ (25%), FELDSPAR (20%), LITHIC FRAGMENTS (10%), MAFICS (5%), CARBONATE (5%); POORLY SORTED, ANGULAR TO SUBROUNDED, STRUCTURELESS; NO ACID REACTION; OTHER DATA NOT APPLICABLE. (840-850 ft)
850 ft.	55 min 14 sec			SAND		SAND: DARK GRAYISH BROWN (W) (10YR 4/2) SAME AS ABOVE (850-860 ft)
860 ft.	31 min 6 sec			SAND		SAND: DARK GRAYISH BROWN (W) (10YR 4/2); COARSE SAND (50%), MEDIUM (40%), FINE SAND (10%); VOLCANICS (45%), QUARTZ (25%), FELDSPAR (15%); LITHIC FRAGMENTS (10%), MAFICS (5%), CARBONATE (2.5%); POORLY SORTED, SUBANGULAR TO SUBROUNDED, STRUCTURELESS, NO ACID REACTION; OTHER DATA NOT APPLICABLE. (860-870 ft)
870 ft.	34 min 53 sec			SAND		SAND: DARK GRAYISH BROWN (W) (10YR 4/2); MEDIUM SAND (45%), COARSE SAND (4%), FINE SAND (15%); VOLCANICS (45%), FELDSPAR (20%), QUARTZ (10%), LITHIC FRAGMENTS (15%), MAFICS (5%), THESE CARBONATES, STRUCTURELESS; NO ACID REACTION; OTHER DATA NOT APPLICABLE. (870-880 ft)
880 ft.						

LOGGED BY K. ROSE - K. BRUNSON - M. ALLEN

11X - PROJECT 27-80

LOC. or COORDS. 2N-57E-15-6d.
GARDEN VALLEY NEVADA
 GROUND ELEV. _____
 TOTAL DEPTH 1,097 ft
 BOREHOLE DIAM. _____

DRILLER WRIGHT DRILL CO.
DRILLING
CRAIG WEDGER / P. SMITH
 RIG IR-TH-60
 BIT(S) TRICONITE
 FLUID BENTONITE

START DATE 8-7-80 TIME _____
 END DATE 8-15-80 TIME _____
 GEOPHYS. LOG _____ YES _____
 HOW LEFT _____

LOCATION GARDEN VALLEY NEVADA - 2N-57E-15-6d.
 LOGGED BY J. H. HARRIS - K. K. SCH. H. HARRIS

PROJECT INTERMEDIATE ADULT PROGS - M.
11X - PROJECT - F1 - 80

DEPTH	PENE RATE	CIRC ACFT LOSS	AIRLIFT O (gpm)	MATERIAL	SYM BOL	DESCRIPTION and COMMENTS
960 ft	71 min 41 sec		4V	SAND WITH/S GRAVEL		SAND W/SOME GRAVEL: BROWN (W) (7.5 YR 4/2), COARSE SAND (40%), MEDIUM SAND (20%), FINE SAND (15%), GRAVEL (15%), QUARTZ (25%), VOLCANICS (20%), FELDSPAR (15%), CARBONATES (15%), MAFICS (15%), LITHIC FRAGMENTS (10%); POORLY SORTED, ANGULAR TO SUBROUNDED; STRUCTURELESS, NO ACID REACTION; OTHER DATA NOT APPLICABLE. (960-970)
970 ft	95 min 27 sec			SAND WITH/SOME GRAVEL		SAND W/SOME GRAVEL: BROWN (W) (7.5 YR 4/2), COARSE SAND (50%), MEDIUM SAND (30%), FINE SAND (10%), GRAVEL (10%), QUARTZ (30%), VOLCANICS (2%), FELDSPAR (15%), CARBONATES (15%), LITHIC FRAGMENTS (10%), MAFICS (10%); POORLY SORTED, ANGULAR TO SUBROUNDED; STRUCTURELESS, NO ACID REACTION; OTHER DATA NOT APPLICABLE. (970-980 ft)
980 ft	96 min 17 sec			SAND		SAND W/LITTLE GRAVEL: BROWN (W) (7.5 YR 4/2), COARSE SAND (45%), MEDIUM SAND (35%), FINE SAND (15%), GRAVEL (5%), QUARTZ (30%), VOLCANIC FRAGMENTS (20%), FELDSPAR (20%), CARBONATES (10%), LITHIC FRAGMENTS (10%), MAFICS (10%); POORLY SORTED, ANGULAR TO SUBROUNDED; STRUCTURELESS, SLIGHT ACID REACTION; (980-990 ft)
990 ft	129 min 1 sec			SAND		SAND - SAME AS ABOVE (980-990 feet) EXCEPT FSC DROPPED IN QUARTZ TO 25% AND AN INCREASE IN LITHIC FRAGMENTS TO 15%.
1000 ft	63 min 8 sec			SAND WITH/SOME GRAVEL		SAND W/SOME GRAVEL: BROWN (W) (7.5 YR 4/2), COARSE SAND (40%), MEDIUM SAND (35%), FINE SAND (15%), GRAVEL (10%), LITHIC FRAGMENTS (25%), VOLCANICS (20%), QUARTZ (20%), FELDSPAR (15%), CARBONATES (10%), MAFICS (10%); SORTING NOT STATED, ANGULAR TO SUBROUNDED, STRUCTURELESS, SLIGHT ACID REACTION; OTHER DATA NOT APPLICABLE. (1000, 1010 ft)
1010 ft	41 min 18 min			SAND		SAND W/LITTLE GRAVEL: BROWN (W) (7.5 YR 4/2), COARSE SAND (40%), MEDIUM SAND (45%), FINE SAND (15%), GRAVEL (5%), VOLCANIC FRAGMENTS (30%), QUARTZ (20%), FELDSPAR (20%), CARBONATES (10%), LITHIC FRAGMENTS (10%), MAFICS (10%); STRUCTURELESS, NO ACID REACTION; OTHER DATA NOT APPLICABLE. (1010, 1020 ft)
1020 ft	40 min 51 sec			SAND		SAND: BROWN (W) (7.5 YR 4/2) FINE TO COARSE GRAINED SAND SAME AS ABOVE (1010 - 1020 feet)
1030 ft	54 min 40 sec			SAND		SAND: BROWN (W) (7.5 YR 4/2), COARSE SAND (45%), MEDIUM SAND (45%), FINE SAND (15%), VOLCANIC FRAGMENTS (20%), QUARTZ (20%), FELDSPAR (15%), CARBONATE (15%), LITHIC FRAGMENTS (15%), MAFICS (5%); POORLY SORTED, ANGULAR TO SUBROUNDED, STRUCTURELESS, SLIGHT ACID REACTION; OTHER DATA NOT APPLICABLE. (1030 - 1040 ft)
1040 ft						

LOC. or COORDS. 2N-57E-15. 6d.
 GARDEN VALLEY NEVADA.
 GROUND ELEV. _____
 TOTAL DEPTH 1,097 ft.
 BOREHOLE DIAM. _____

DRILLER WEIGHT DRILL CO.
 Drilling: _____
 GEORGE WEAVER/R. SMITH
 RIG IR - TH - 60
 BIT(S) TRICONITE
 FLUID BENTONITE

START DATE 8-7-80
 TIME _____
 END DATE 8-15-80
 GEOPHYS. LOG YES
 HOW LEFT _____

LOCATION GARDEN VALLEY - NEVADA - 2N-57E-15
 LOGGED BY V. ELLIS - P. KNEISCH - H. HURR

PROJECT ATTACHED WITH ADJUTANT GENERAL'S PROJECT
 HX PROJECT

DEPTH	PENE RATE	CIRC. RET. LOSS	AIRLIFT	MATERIAL	SYMBOL	DESCRIPTION and COMMENTS
			Q (gpm)			
880 ft	51 min 8 sec			SAND	880'	SAND: BROWN (W), (7.5 YR 5/2), MEDIUM SAND (60%), COARSE SAND (20%), FINE SAND (20%), VOLCANICS (40%), QUARTZ (20%), FELDSPAR (20%), LITHIC FRAGMENTS (10%), MODERATELY SORTED, SUBANGULAR TO SUBROUNDED, STRUCTURELESS, NO ACID REACTION, OTHER DATA NOT APPLICABLE. (880 - 890 ft).
890 ft	31 min 34 sec			SAND	890'	SAND: BROWN (U) (7.5 YR 5/2), MEDIUM SAND (50%), COARSE SAND (40%), FINE SAND (10%), VOLCANICS (40%), FELDSPAR (25%), QUARTZ (25%), LITHIC FRAGMENTS (10%), MODERATE SORTING, SUBANGULAR TO SUBROUNDED, STRUCTURELESS, NO ACID REACTION, OTHER DATA NOT APPLICABLE. (890 - 900 ft).
900 ft	36 min 50 sec			SAND	900'	SAND: DARK BROWN (U) (7.5 YR 4/2), MEDIUM SAND (45%), COARSE SAND (40%), FINE SAND (15%), VOLCANICS (35%), QUARTZ (30%), FELDSPAR (20%), LITHIC FRAGMENTS (10%), CARBONATE (5%), POORLY SORTED, ANGULAR TO SUBROUNDED, STRUCTURELESS, SLIGHT ACID REACTION, OTHER DATA NOT APPLICABLE. (900 - 910 ft).
910 ft	37 min 29 sec			SAND	910'	SAND: DARK BROWN (U) (7.5 YR 4/2), MEDIUM SAND (45%), COARSE SAND (40%), FINE SAND (15%), VOLCANIC FRAGMENTS (40%), QUARTZ (20%), FELDSPAR (20%), CARBONATES (5%), LITHIC FRAGMENTS (5%), POORLY SORTED, ANGULAR TO SUBROUNDED, STRUCTURELESS, SLIGHT ACID REACTION, OTHER DATA NOT APPLICABLE. (910 - 920 ft).
920 ft	33 min 42 sec			SAND	920'	SAND: DARK BROWN (U) (7.5 YR 4/2), SAME AS ABOVE (910 - 920 ft).
930 ft	32 min 52 sec			SAND	930'	SAND: DARK BROWN (U) (7.5 YR 4/2), MEDIUM SAND (50%), COARSE SAND (40%), FINE SAND (10%), VOLCANIC FRAGMENTS (30%), QUARTZ (20%), FELDSPAR (25%), CARBONATES (10%), LITHIC FRAGMENTS (10%), POORLY SORTED, ANGULAR TO SUBROUNDED, STRUCTURELESS, NO ACID REACTION, OTHER DATA NOT APPLICABLE. (930 - 940 ft).
940 ft	25 min 29 sec			SAND	940'	SAND: DARK BROWN (U) (7.5 YR 4/2), MEDIUM SAND (50%), COARSE SAND (40%), FINE SAND (10%), VOLCANIC FRAGMENTS (25%), QUARTZ (20%), FELDSPAR (20%), LITHIC FRAGMENTS (15%), CARBONATE (10%), POORLY SORTED, ANGULAR TO SUBROUNDED, STRUCTURELESS, NO ACID REACTION, OTHER DATA NOT APPLICABLE. (940 - 950 ft).
950 ft	22 min 28 sec			SAND	950'	SAND: DARK BROWN (U) (7.5 YR 4/2), MEDIUM SAND (50%), COARSE SAND (40%), FINE SAND (10%), VOLCANIC FRAGMENTS (35%), QUARTZ (20%), FELDSPAR (15%), LITHIC FRAGMENTS (15%), CARBONATE (10%), LITHIC (5%), POORLY SORTED, ANGULAR TO SUBROUNDED, STRUCTURELESS, NO ACID REACTION, OTHER DATA NOT APPLICABLE. (950 - 960 ft).
960 ft					960'	

LOC. or COORDS. 2N-57E-15-50A
GARDEN VALLEY NEVADA
 GROUND ELEV. _____
 TOTAL DEPTH 1,097 ft.
 BOREHOLE DIAM. _____

DRILLER WRIGHT DRILL CO.
Drilling
CRAIG WEAVER / R. SMITH
 RIG IR - TH - 60
 BIT(S) TRICONE
 FLUID BENTONITE

START DATE 8-7-80 TIME _____
 END DATE 8-15-80 TIME _____
 GEOPHYS. LOG _____ YES
 HOW LEFT _____

LOCATION LOGGED BY K. R. W. K. KNIBBSCH - M. F.

DEPTH	PENE RATE	CIRC. ACF. USE	AIRLIFT (gpm)	MATERIAL	SYM. BOL	DESCRIPTION and COMMENTS
1040ft	72 min 38 sec			SAND		SAND: BROWN (W) (7.5 YR 4/2), COARSE SAND (45%), MEDIUM SAND (40%), FINE SAND (15%), VOLCANIC FRAGMENTS (25%), QUARTZ (20%), FELDSPAR (20%), CARBONATES (15%), LITHIC FRAGMENTS (15%), MAFICS (5%), POORLY SORTED, ANGULAR TO SUBANGULAR, STRUCTURELESS, NO ACID REACTION, OTHER DATA NOT APPLICABLE. (1040 - 1050 ft).
1050ft	70 min 25 sec			SAND		SAND: BROWN (W) (7.5 YR 4/2), COARSE SAND (45%), MEDIUM SAND (45%), FINE SAND (10%), VOLCANICS (25%), QUARTZ (25%), FELDSPAR (20%), LITHIC FRAGMENTS (15%), CARBONATES (10%), MAFICS (5%), POORLY SORTED, ANGULAR TO SUBANGULAR, STRUCTURELESS, NO ACID REACTION, OTHER DATA NOT APPLICABLE. (1050 - 1060 ft).
1060ft	72 min 34 sec			SANDS		SAND: BROWN (W) (7.5 YR 4/2) - FINE TO COARSE GRAINED SAND SAME AS ABOVE (1050 - 1060 ft).
1070ft	74 min 38 sec			SAND		SAND: BROWN (W) (7.5 YR 4/2), MEDIUM SAND (45%), COARSE SAND (40%), FINE SAND (15%), VOLCANIC FRAGMENTS (25%), LITHIC FRAGMENTS (25%), QUARTZ (20%), FELDSPAR (15%), CARBONATES (10%), MAFICS (5%), POORLY SORTED, ANGULAR TO SUBANGULAR, STRUCTURELESS, NO ACID REACTION, OTHER DATA NOT APPLICABLE. (1070 - 1080 ft).
1080ft	51 min 31 sec			SANDS		SAND: BROWN (W) (7.5 YR 4/2), MEDIUM SAND (45%), COARSE SAND (40%), FINE SAND (15%), LITHIC FRAGMENTS (25%), QUARTZ (20%), FELDSPAR (20%), VOLCANICS (20%), CARBONATES (10%), MAFICS (5%), POORLY SORTED, ANGULAR TO SUBANGULAR, STRUCTURELESS, NO ACID REACTION, OTHER DATA NOT APPLICABLE. (1080 - 1090 ft).
1090ft	35 min 17 sec			SANDS		SAND: BROWN (W) (7.5 YR 4/2) FINE TO COARSE GRAINED SAND SAME AS ABOVE (1080 - 1090 ft).
1097						

ALL PROJECTIONS BY EV - ED