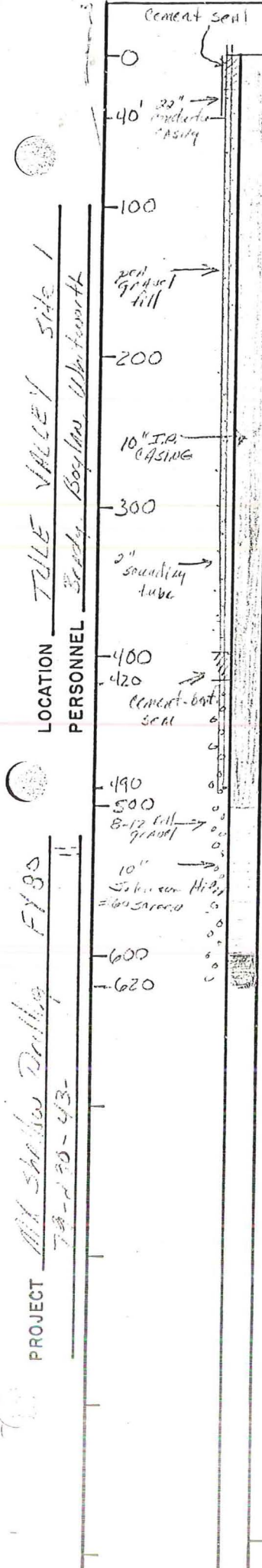


# WELL CONSTRUCTION SUMMARY

LOCATION or COORDS: SE 1/4 SE 1/4  
Section 6, 20S, 14W

ELEVATION: GROUND LEVEL 4507'  
TOP OF CASING ~4509'



**DRILLING SUMMARY:**  
 TOTAL DEPTH 624'  
 BOREHOLE DIAMETER 17 1/2" 40' to 620'  
27" 0' to 40'  
 DRILLER Stephenson Rig #1  
Andrew Wood Pearson  
Russell Mangelsen  
 RIG CP 1800  
 BIT(S) Tricone 9.9 inch  
 DRILLING FLUID bentonite  
 SURFACE CASING none used

**WELL DESIGN:**

BASIS: GEOLOGIC LOG 10% GEOPHYSICAL LOG 90%

CASING STRING(S): C=CASING S=SCREEN

0 - 40'	C <sub>1</sub>	-
0 - 500'	C <sub>2</sub>	-
500 - 600'	S <sub>1</sub>	-
600 - 620'	C <sub>3</sub>	-
0 - 490'	C <sub>4</sub>	-
-	-	-
-	-	-
-	-	-
-	-	-

CASING: C1 22" I.D. conductor casing  
 C2 10" I.D. production casing  
 C3 2" I.D. sanding tube  
 C4 \_\_\_\_\_  
 SCREEN: S1 #60 slt + 10" Hi-Cls screen  
 S2 \_\_\_\_\_  
 S3 \_\_\_\_\_  
 S4 \_\_\_\_\_  
 CENTRALIZERS no 200' 310' 410' 500'  
 FILTER MATERIAL perforated screen 400' - 8-1/2 gravel pack below 420'  
 CEMENT At surface - cement seal 400' - 420' - cement screen 420' - 490'  
 OTHER \_\_\_\_\_

**CONSTRUCTION TIME LOG:**

TASK	START		FINISH	
	DATE	TIME	DATE	TI
DRILLING:				
GEOPHYS. LOGGING:				
CASING:				
FILTER PLACEMENT:				
CEMENTING:				
DEVELOPMENT:				
OTHER:				

**WELL DEVELOPMENT**

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**COMMENTS:**

Static Water level test @ 84ft 2 inches;

Static Water level @ 88ft 8 inches

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

LOCATION TULE VALLEY Side 1  
 PERSONNEL Bradley, Boylan, Whitworth  
 PROJECT Alt Shallow Drilling FY80  
78-230-43-

# LOG OF BOREHOLE

BOREHOLE TL-S-T-1

PAGE 1 OF 8

LOC. or COORDS. <u>TIME VALLEY, UTAH.</u> <u>T 20 S, R 14 W - SEC 6 - SE 1/4 SE 1/4</u>	DRILLER <u>SCOTT STEPHENSON, Drilling</u> <u>ANDREW MAC PHEARSON.</u>	START DATE <u>7-9-80</u>	FINISH DATE <u>7-10-80</u>
GROUND ELEV. <u>4507 ft.</u>	<u>RUSSEL MANGE/SON.</u>	TIME <u>1820</u>	<u>14.30</u>
TOTAL DEPTH <u>624 ft.</u>	RIG <u>CP 1800</u>	GEOPHYS. LOG <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
BOREHOLE DIAM. <u>9.9"</u>	BIT(S) <u>TRICONE</u>	HOW LEFT <u>UNRESTORED</u>	
	FLUID <u>BENTONITE MUD.</u>		

DEPTH	PENE. RATE	CIRC. RET. LOSS	AIRLIFT Q (gpm)	MATERIAL	SYM-BOL	DESCRIPTION and COMMENTS
00 ft	NO TIME			SILTY SAND		SILTY SANDS: (00-10') ( ) GRAY (w. 7.5% silt), light gray (d. 7.5% silt), silt 15%, med. to f. sd. 85% (carb. 75%, det. f. 25%) m.s.; sd. out to subamp; structureless, np; not sticky; no consol. str. Hcl rxn.
10 ft	NO TIME			SAND		SAND w/ some silt (10- ) ( ) GRAY (w. 5% silt), light gray (d. 7.5% silt), silt 5%, c.s. to med. sd. 95% (carb. 90%, det. f. 10%) m.s.; sd. out to subamp; structureless, np; not sticky, not consol. str. Hcl rxn. (Bolder chips fr.)
20 ft	12 3/4 min			SAND		SAND (20-40') ( ) SAME AS ABOVE
30 ft	11 1/2 min			SAND		SAND (30-40') ( ) SAME AS ABOVE
40 ft	7 1/2 min			SAND		SAND w/ some gravel (40-60') ( ) gray (w. 7.5% silt), light gray (d. 2.5% silt), c.s. to med. sd. 95% (carb. 90% det. f. 10%) gnl: 5% up to 2 mm (carb.); f. c. sd. out to subamp; structureless, np; not sticky; not consol.; str. Hcl rxn. (Bolder chips fr.)
50 ft	7 1/2 min			SAND		SAND (50-60') ( ) SAME AS ABOVE
60 ft	5 min			SAND		SAND w/ some clay (60-100') ( ) gray (w. 10% silt), light gray (d. 2% silt), cl 10%, c.s. to med. sd. 90% (carb. 90% det. f. 10%) m.s.; sd. out to subamp structureless, np; not sticky; not consol. str. Hcl rxn. (Bolder chips fr.)
70 ft	11 min			SAND		SAND w/ some clay (70-95') ( ) SAME AS ABOVE
80 ft						

LOCATION TIME VALLEY UTAH.  
 LOGGED BY D. COYNE, R. WHITMAN, JR.  
 RELOGGED BY R. LAZO

PROJECT SHALLOW AQUIFER PROBLEM  
 W. STANLEY E. 90

# LOG OF BOREHOLE

BOREHOLE T2-ST-1

PAGE 2 OF 8

LOC. or COORDS. _____ _____ GROUND ELEV. _____ TOTAL DEPTH _____ BOREHOLE DIAM. _____	DRILLER _____ _____ RIG _____ BIT(S) _____ FLUID _____	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">START</td> <td style="text-align: center;">FINISH</td> </tr> <tr> <td>DATE _____</td> <td>DATE _____</td> </tr> <tr> <td>TIME _____</td> <td>TIME _____</td> </tr> <tr> <td colspan="2">GEOPHYS. LOG <input type="checkbox"/> YES <input type="checkbox"/> NO</td> </tr> <tr> <td colspan="2">HOW LEFT _____</td> </tr> </table>	START	FINISH	DATE _____	DATE _____	TIME _____	TIME _____	GEOPHYS. LOG <input type="checkbox"/> YES <input type="checkbox"/> NO		HOW LEFT _____	
START	FINISH											
DATE _____	DATE _____											
TIME _____	TIME _____											
GEOPHYS. LOG <input type="checkbox"/> YES <input type="checkbox"/> NO												
HOW LEFT _____												

DEPTH	PENE RATE	CIRC RET LOSS	AIRLIFT LOSS (gpm)	MATERIAL	SYM-BOL	DESCRIPTION and COMMENTS
80 ft				80'		SAND w/ LITTLE clay (80-100') ( ) gray (w. 10YR 5/2), light gray (d. 10YR 7/1), cl. 5%, cs to med sd. 95% (carb. 90%, det #A1198) ps, sd: ang to subrnd, structure, n.p.; not stky, not consol; str. Hel yxn; (Bolder chips tr.).
	13 min			SAND		
90 ft				90'		SAND w/ v. LITTLE clay (90-100') ( ) SAME AS ABOVE.
	20 min			SAND		
100 ft				100'		clay (100-110') ( ) very pale brown (w. 10YR 8/2), white (d. 10YR 8/1), cl. 95%, fsd < 5% (d2); structure; n.p. s. stky; not consol; wk to med. Hel yxn.
	10 min			clay		
110 ft				110'		clayey sand: (110-120') ( ) grayish brown (w. 10YR 5/2), light gray (d. 10YR 7/1), cl. 15%, cs to med sd. 85% (carb. 90%, det #A1198, 10%), m. s. sd: subang to subrnd; structure; n.p. not stky, not consol, med to str. Hel yxn.
	8 min			clayey sand		
120 ft				120'		SANDY clay w/ some gravel: (120-160') ( ) light gray (w. 10YR 7/2), white (d. 10YR 8/2), cl. 75%, cs to fsd. 15% (carb. 75%, det #A1198, 10%), pul. 10%, up to 10mm. (carb. 95%, chert 5%). ps, sd: sub to subrnd; pul: ang to subrnd; structure, n.p. stky, no consol. str. Hel yxn.
	5 1/2 min			SANDY clay		
130 ft				130'		SANDY clay w/ some gravel. (120-140') SAME AS ABOVE.
	7 min			SANDY clay		
140 ft				140'		SANDY clay w/ some gravel (140-160') SAME AS ABOVE.
	6 min			SANDY clay		
150 ft				150'		SANDY clay w/ some gravel (150-160') SAME AS ABOVE.
	12 min			SANDY clay		
160 ft				160'		

LOCATION LOGGED BY

PROJECT

# LOG OF BOREHOLE

BOREHOLE TL-S-T-1

PAGE 3 OF 8

LOC. or COORDS. <u>TWE VALLEY - UTAH</u> <u>T. 20 S, R. 14 W, Sec 6, SE 1/4 SE 1/4</u> GROUND ELEV. <u>4507 ft.</u> TOTAL DEPTH <u>624 ft.</u> BOREHOLE DIAM. <u>9.9"</u>	DRILLER <u>S. STEPHENSON DRILLING</u> <u>A. MAC PHELDSON</u> <u>R. HAN GELSON</u> RIG <u>C.P. 1800</u> BIT(S) <u>TRICONE</u> FLUID <u>BENTONITE MUD</u>	START DATE <u>7-8-80</u> FINISH DATE <u>7-10-80</u> TIME <u>18:30</u> 14:30 GEOPHYS. LOG <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO HOW LEFT <u>UNCESTORIED</u>
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LOCATION TWE VALLEY UTAH  
 LOGGED BY D. COLMAN & WHITWORTH

PROJECT SHALLOW AERATED RAINWATER  
 AT INLET IY 30

DEPTH	PENE RATE	CIRC RET. LOG	AIRLIFT Q (gpm)	MATERIAL	SYM-BOL	DESCRIPTION and COMMENTS
160 ft.				160' SANDY CLAY		SANDY CLAY W/ SOME GRAVEL (160'-200') ( ) LIGHT GRAY (w. 10YR 7/2), white (d. 10YR 8/2), cl 25%, cs to fsd. 15% (carb. 25%, det 15%, chert 10%), silt. 10% up to 1mm (carb. 95%, chert 5%), ps; sd sub ang. to sub ang; silt. ang to sub ang, structure p; clay; no gravel; structure.
170 ft.	9 min			170' SANDY CLAY		SANDY CLAY W/ SOME GRAVEL (170'-180') ( ) SAME AS ABOVE.
180 ft.	9 min			180' SANDY CLAY		SANDY CLAY W/ SOME GRAVEL (180'-190') ( ) SAME AS ABOVE.
190 ft.	9 min			190' SANDY CLAY		SANDY CLAY W/ SOME GRAVEL (190'-200') ( ) SAME AS ABOVE.
200 ft.	7 1/2 min			200' SANDY CLAY		SANDY CLAY: (200'-240') ( ) LIGHT GRAY (w. 10YR 7/2), white (10YR 8/2), cl 80%, cs to med sd. 20% (carb. 75%, det 15%, chert 5, ps. 10%, ms; sd: sub ang to sub ang, structure s; clay; no gravel; str. det 11).
210 ft.	10 min			210' SANDY CLAY		SANDY CLAY (210'-220') ( ) SAME AS ABOVE.
220 ft.	10 min			220' SANDY CLAY		SANDY CLAY (220'-230') ( ) SAME AS ABOVE.
230 ft.	10 min			230' SANDY CLAY		SANDY CLAY (230'-240') ( ) SAME AS ABOVE.
240 ft.	10 min			240' SANDY CLAY		SANDY CLAY (240'-250') ( ) SAME AS ABOVE.

# LOG OF BOREHOLE

BOREHOLE TL-S-T-1

PAGE 4 OF 8

LOC. or COORDS. <u>TWE VALLEY - UTAH</u> <u>T. 20 S, R. 14 W. SEC 6 SE 1/4 SE 1/4</u> GROUND ELEV. <u>4507 ft.</u> TOTAL DEPTH <u>624 ft.</u> BOREHOLE DIAM. <u>9.9"</u>	DRILLER <u>S. STEPHENSON Drilling.</u> <u>A. MAC PHELDON</u> <u>B. KEN GEISONS</u> RIG <u>C.P. 1800</u> BIT(S) <u>TRICONE</u> FLUID <u>BENTONITE MUD</u>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">START</td> <td style="text-align: center;">FINISH</td> </tr> <tr> <td>DATE <u>7-8-80</u></td> <td><u>7-10-80</u></td> </tr> <tr> <td>TIME <u>18:30</u></td> <td><u>14:30</u></td> </tr> <tr> <td colspan="2">GEOPHYS. LOG <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO</td> </tr> <tr> <td colspan="2">HOW LEFT <u>UNDESTO RES.</u></td> </tr> </table>	START	FINISH	DATE <u>7-8-80</u>	<u>7-10-80</u>	TIME <u>18:30</u>	<u>14:30</u>	GEOPHYS. LOG <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		HOW LEFT <u>UNDESTO RES.</u>	
START	FINISH											
DATE <u>7-8-80</u>	<u>7-10-80</u>											
TIME <u>18:30</u>	<u>14:30</u>											
GEOPHYS. LOG <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO												
HOW LEFT <u>UNDESTO RES.</u>												

LOCATION TWE VALLEY UTAH  
 LOGGED BY P. Carlson & WHITING  
 PROJECT Shallow aquifer  
for water by BO

DEPTH	PENE RATE	CIRC RET	AIRLIFT LOGS	AIRLIFT Q (gpm)	MATERIAL	SYM-BOL	DESCRIPTION and COMMENTS
240 ft					240'		Sandy clay (240-250') ( ) light gray (w. 10% $H_2O$ ), white (10% $H_2O$ ), cl 85%, s.s. to med. sd. 15% (carb. 25%, det. 12% chert 10%), m.s., sd. subang. to subind, structure, p. st. clay, no congl., str. Hcl rxn.
250 ft	5 1/4 min				250'		Sandy clay (250-260') ( ) Same as above.
260 ft	7 1/2 min				260'		Sandy clay (260-270') ( ) Same as above.
270 ft	6 1/2 min				270'		Sandy clay (270-280') ( ) Same as above.
280 ft	9 min				280'		Sandy clay (280-290') ( ) Same as above.
290 ft	11 1/2 min				290'		Sandy clay (290-300') ( ) Same as above.
300 ft	12 min				300'		Sandy clay (300-310') ( ) Same as above.
310 ft	6 min				310'		Sandy clay (310-320') ( ) very pale brown (w. 10% $H_2O$ ), white (10% $H_2O$ ), cl 75%, s.s. to med. sd. 25% (carb. 90%, det. 10%, 5% chert 5%), ps, sd. subang. to subind, structure, s.p. clay, no congl., str. Hcl rxn.
320 ft					320'		Sandy clay (320-330') ( ) Same as above.
330 ft					330'		Sandy clay (330-340') ( ) Same as above.
340 ft					340'		Sandy clay (340-350') ( ) Same as above.
350 ft					350'		Sandy clay (350-360') ( ) Same as above.
360 ft					360'		Sandy clay (360-370') ( ) Same as above.
370 ft					370'		Sandy clay (370-380') ( ) Same as above.

# LOG OF BOREHOLE

BOREHOLE TL-S-T-1

PAGE 5 OF 8

LOC. or COORDS. <u>TWE VALLEY - UTAH</u> <u>T. 20 S, R. 14 W. Sec 6. SE 1/4 SE 1/4</u> GROUND ELEV. <u>4507 ft.</u> TOTAL DEPTH <u>624 ft.</u> BOREHOLE DIAM. <u>9.9"</u>	DRILLER <u>S. STEPHENSON DRILLING</u> <u>A. MAC PHELSON</u> <u>B. MANGELSON</u> RIG <u>C.P. 1800</u> BIT(S) <u>TRICONE</u> FLUID <u>BENTONITE MUD</u>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">START</td> <td style="text-align: center;">FINISH</td> </tr> <tr> <td>DATE <u>7-8-80</u></td> <td><u>7-10-80</u></td> </tr> <tr> <td>TIME <u>18:30</u></td> <td><u>14:30</u></td> </tr> <tr> <td colspan="2">GEOPHYS. LOG <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO</td> </tr> <tr> <td colspan="2">HOW LEFT <u>UNCESTORED</u></td> </tr> </table>	START	FINISH	DATE <u>7-8-80</u>	<u>7-10-80</u>	TIME <u>18:30</u>	<u>14:30</u>	GEOPHYS. LOG <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		HOW LEFT <u>UNCESTORED</u>	
START	FINISH											
DATE <u>7-8-80</u>	<u>7-10-80</u>											
TIME <u>18:30</u>	<u>14:30</u>											
GEOPHYS. LOG <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO												
HOW LEFT <u>UNCESTORED</u>												

DEPTH	PENE. RATE	CIRC. MET. LOSS	AIRLIFT Q (gpm)	MATERIAL	SYM-BOL	DESCRIPTION and COMMENTS
320 ft				320'		clay w/ some sand & gravel: (320' - 400') ( ) Very pale brown (w. 10% 8/16), white (d. 10% 8/16) clay. 80% cc to med sd. 10% (carb. 90% (st & dr. 10%) qtz. 10% up to 10mm (carb); ps; sd. sub due to subrd; gvl: subrd to subrd; structure p, stky, no consol; str. Hol var.
330 ft	10 3/8 min			330'		clay.
340 ft	10 min			340'		clay w/ some sand & gravel: (330' - 340') ( ) SAME AS ABOVE
350 ft	2 1/2 min			350'		clay w/ some sand (340' - 350') ( ) SAME AS ABOVE EXCEPT no gvl.
360 ft	7 1/2 min			360'		clay w/ some sand (350' - 360') ( ) SAME AS ABOVE
370 ft	4 1/2 min			370'		clay w/ some sand (360' - 370') ( ) SAME AS ABOVE
380 ft	6 min			380'		clay w/ some sand (370' - 380') ( ) SAME AS ABOVE
390 ft	5 min			390'		clay w/ some sand (380' - 390') ( ) SAME AS ABOVE
400 ft	5 min			400'		clay w/ some sand (390' - 400') ( ) SAME AS ABOVE

LOCATION TWE VALLEY UTAH  
 LOGGED BY D. GAYLOR & WHITWORTH  
 PROJECT SHALLOW AQUIFER PROGRAM  
 R/A INJECT FY 80

# LOG OF BOREHOLE

BOREHOLE TL-S-T-1

PAGE 6 OF 8

LOC. or COORDS. <u>TWE VALLEY - UTAH</u> <u>T. 20 S, R. 14 W - Sec 6 SE 1/4 SE 1/4</u> GROUND ELEV. <u>4507 ft.</u> TOTAL DEPTH <u>624 ft.</u> BOREHOLE DIAM. <u>9.9"</u>	DRILLER <u>S. STEPHENSON Drilling</u> <u>A. MAC THELSON</u> <u>B. NEW GEISON</u> RIG <u>C.P. 1800</u> BIT(S) <u>TBICONE</u> FLUID <u>BENTONITE MUD</u>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">START</td> <td style="text-align: center;">FINISH</td> </tr> <tr> <td>DATE <u>7-8-80</u></td> <td><u>7-10-80</u></td> </tr> <tr> <td>TIME <u>18:30</u></td> <td><u>14:30</u></td> </tr> </table> GEOPHYS. LOG <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO HOW LEFT <u>UNCESTORED</u>	START	FINISH	DATE <u>7-8-80</u>	<u>7-10-80</u>	TIME <u>18:30</u>	<u>14:30</u>
START	FINISH							
DATE <u>7-8-80</u>	<u>7-10-80</u>							
TIME <u>18:30</u>	<u>14:30</u>							

LOCATION TWE VALLEY UTAH  
 LOGGED BY D. G. LAW & WHITWORTH

PROJECT SHALLOW AUGURED FOOTINGS  
 AT PROJECT EX 50

DEPTH	PENE. RATE	CIRC. RET. LOSS	AIRLIFT Q (gpm)	MATERIAL	SYM-BOL	DESCRIPTION and COMMENTS
400 ft				400'		clay w/v. little sand (400'-600') ( ) light gray (w. 5% 7/2), white (d. 5% 8/2), cl. 95%, cs to fsd. < 5% (carb); ps; sd. subang. to subnd. structure; p, sty, no consol, str. Hel Y11.
410 ft	1 1/2 min			410'		clay w/v. little sand (410-420') ( ) SAME AS ABOVE
420 ft	1 1/2 min			420'		clay w/v. little sand (420-430') ( ) SAME AS ABOVE
430 ft	1 1/2 min			430'		clay w/v. little sand (430-440') ( ) SAME AS ABOVE
440 ft	1 1/2 min			440'		clay w/v. little sand (440-450') ( ) SAME AS ABOVE
450 ft	1 1/2 min			450'		clay w/v. little sand (450-460') ( ) SAME AS ABOVE
460 ft	1 1/2 min			460'		clay w/v. little sand (460-470') ( ) SAME AS ABOVE
470 ft	1 1/2 min			470'		clay w/v. little sand (470-480') ( ) SAME AS ABOVE
480 ft	1 1/2 min			480'		clay w/v. little sand (480-490') ( ) SAME AS ABOVE
490 ft	1 1/2 min			490'		clay w/v. little sand (490-500') ( ) SAME AS ABOVE

# LOG OF BOREHOLE

BOREHOLE TL-S-T-1

PAGE 7 OF 8

LOC. or COORDS. <u>TWE VALLEY - UTAH</u>	DRILLER <u>S. STEPHENSON Drilling</u>	START DATE <u>7-8-80</u>	FINISH DATE <u>7-10-80</u>
<u>T. 20 S, R14W, S206 SE 1/4 SE 1/4</u>	<u>A. MAC PHERSON</u>	TIME <u>18:30</u>	<u>14:30</u>
GROUND ELEV. <u>4507 ft.</u>	<u>B. KEN GEISSON</u>	GEOPHYS. LOG <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	HOW LEFT <u>UNDESTORED</u>
TOTAL DEPTH <u>624 ft.</u>	RIG <u>C.P. 1800</u>		
BOREHOLE DIAM. <u>9.9"</u>	BIT(S) <u>TBICONE</u>		
	FLUID <u>BENTONITE MUD</u>		

LOCATION TWE VALLEY UTAH  
 LOGGED BY D. Carlson R. WHITWORTH  
 PROJECT Shallow Aquifer Program  
 ALL PROJECT BY BO

DEPTH	PENE. RATE	CIRC. RET. LOSS	AIRLIFT Q (gpm)	MATERIAL	SYM-BOL	DESCRIPTION and COMMENTS
480 ft	0 1/4 min			480' clay		clay w/ v. little sand (480' - 600') (light gray (w. 54 1/2) white (d. 54 1/2) cl 95%, cs to fsd 5% (s. 4.6), m. s. sd. subar. 10 submd; structureless, p, sticky, no concol; St. Hcl yrn.
490 ft	5 1/2 min			490' clay		clay w/ v. little sand (490 - 500') (same as above)
500 ft	3 1/2 min			500' clay		clay w/ v. little sand (500 - 510') (same as above)
510 ft	4 1/2 min			510' clay		clay w/ v. little sand (510 - 520') (same as above)
520 ft	3 min			520' clay		clay w/ v. little sand (520 - 530') (same as above)
530 ft	2 1/2 min			530' clay		clay w/ v. little sand (530 - 540') (same as above)
540 ft	5 min			540' clay		clay w/ v. little sand (540 - 550') (same as above)
550 ft	5 min			550' clay		clay w/ v. little sand (550 - 560') (same as above)
560 ft				560' clay		clay w/ v. little sand (560 - 570') (same as above)



# LOG OF BOREHOLE

BOREHOLE 72-5-T-1

PAGE 8 OF 8

LOC. or COORDS. <u>TWE VALLEY - UTAH.</u> <u>T. 20 S, R. 14 W. SEC 6. SE 1/4 SE 1/4</u>	DRILLER <u>S. STEPHENSON DRILLING.</u> <u>A. MAC PHERSON.</u> <u>R. MANGELSON.</u>	START DATE <u>7-8-80</u>	FINISH DATE <u>7-10-80</u>
GROUND ELEV. <u>4507 ft.</u>	RIG <u>C.P. 1800</u>	TIME <u>18:30</u>	<u>14:30</u>
TOTAL DEPTH <u>624 ft.</u>	BIT(S) <u>TRICONE</u>	GEOPHYS. LOG <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
BOREHOLE DIAM. <u>9.9"</u>	FLUID <u>BENTONITE MUD.</u>	HOW LEFT <u>UNDESTOVED.</u>	

LOCATION 101E VALLEY  
 LOGGED BY D. GAYLOR R. WHITWORTH.  
 PROJECT PROJECT FY 80

DEPTH	PENE. RATE	CIRC. RET. LOSS	AIRLIFT (ppm)	MATERIAL	SYM-BOL	DESCRIPTION and COMMENTS
560'	4 1/4 min			clay		clay w/v. little sand (560 - 624') ( ) light gray (w. 54 7/2) white (d. 54 7/2) cl. 95%, cs to fsd. 5% (carb), m s, sd. silty to subind; structure, p, sh, no consol, str. Hcl rxn.
570'	5 1/2 min			clay		clay w/v. little sand (570 - 580') ( ) same as above
580'	6 min			clay		clay w/v. little sand (580 - 590') ( ) same as above
590'	7 min			clay		clay w/v. little sand (590 - 600') ( ) same as above
600'	7 1/2 min			clay		clay w/v. little sand (600 - 610') ( ) same as above
610'	8 min			clay		clay w/v. little sand (610 - 620') ( ) same as above
620'	11 1/2 min					
624'						