

MONITORING WELL COMPLETION LOG GRN01-0817

PROJECT	UMTRA GROUND WATER	NORTH COORD. (FT)	239161.51	DATE DRILLED	09/17/1987 to 09/28/1987
LOCATION	GREEN RIVER, UT	EAST COORD. (FT)	2388838.50	SURFACE ELEV. (FT NGVD)	4083.20
SITE	GREEN RIVER	HOLE DEPTH (FT)	157.00	TOP OF CASING (FT)	4085.31
WELL NUMBER	0817	WELL DEPTH (FT)	131.80	MEAS. PT. ELEV. (FT)	4085.31
				SLOT SIZE (IN)	0.050
				BIT SIZE(S) (IN)	10.0 / 7.88
WELL INSTALLATION			INTERVAL (FT)	DRILLING METHOD	ROTARY WITH BUTTON BIT
SURFACE CASING:	8 in. Steel		-2.0 to 6.0	SAMPLING METHOD	
BLANK CASING:	4 in. PVC Sch 40		-2.11 to 100.0	DATE DEVELOPED	
WELL SCREEN:	4 in. Slotted PVC		100.0 to 130.0	WATER LEVEL (FT BTOC)	35.0 on 09/17/1987
SUMP/END CAP:	4 in. PVC Sch 40		130.0 to 131.8	LOGGED BY	Wood, W.
SURFACE SEAL:				REMARKS	
GROUT:	Cement - Bentonite		0.0 to 86.0		
SEAL:	Bentonite Pellets		86.0 to 89.0		
UPPER PACK:					
LOWER PACK:	8-12 Silica Sand		89.0 to 145.0		

DEPTH (FT BGL)	ELEV. (FT NGVD)	BLOW COUNTS	SAMPLE ID.	EXTENT	WELL DIAGRAM	GRAPHIC LOG	LITHOLOGIC DESCRIPTION
	4080						0-2.0 ft. SILTY GRAVEL (GM); poorly graded, to 2.5", occasional, cobble, subrounded, no plasticity, tan.
5							2.0-6.0 ft. SILTY SAND (SM); fine grained, tan, occasional silt and clayey sand layers.
	4075						6.0-10.0 ft. SILTY GRAVEL (GM); well graded to 3/4" subrounded, light brown.
10							10.0-14.0 ft. SILTY SAND (SM); fine grained, tan, occasional seams of sandy silt and gravel.
	4070						14.0-35.0 ft. MANCOS SHALE: SHALE; slightly weathered, moderately hard, dark gray. Some carbonaceous material.
15							
	4065						
20							
	4060						
25							
	4055						
30							
	4050						
35							
	4045						
							@35.0 ft. strong smell of H ₂ S.
							35.0-51.0 ft. DAKOTA SANDSTONE: SANDSTONE; moderately weathered, moderately hard to hard, light gray to tan.

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45	4040				Cement - Bentonite	[Dotted Pattern]	46.0-49.0 ft. becoming very hard. @47.0 ft. large, near vertical fracture.
50	4035					[Horizontal Line Pattern]	51.0-72.0 ft. CEDAR MOUNTAIN FORMATION: SHALE; slightly weathered, moderately hard, gray to blue-gray, occasional limestone seams.
60	4025					[Horizontal Line Pattern]	
65	4020					[Horizontal Line Pattern]	
70	4015					[Horizontal Line Pattern]	
75	4010					[Dotted Pattern]	72.0-78.0 ft. SANDSTONE; slightly weathered, moderately hard to hard, light gray.
80	4005					[Horizontal Line Pattern]	78.0-100.0 ft. SHALE; slightly weathered, soft to moderately hard, light blue-gray.
85	4000					[Horizontal Line Pattern]	
85	4000				Bentonite Pellets		85.0-100.0 ft. numerous limestone layers.
90	3995					[Dotted Pattern]	

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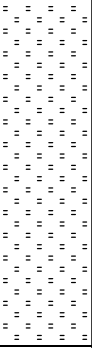
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DEPTH (FT BGL)	ELEV. (FT NGVD)	BLOW COUNTS	SAMPLE ID.	EXTENT	WELL DIAGRAM	GRAPHIC LOG	LITHOLOGIC DESCRIPTION
95 100 105 110 115 120 125 130 135 140	3990 3985 3980 3975 3970 3965 3960 3955 3950 3945				<p style="font-size: small;"> PVC Sch 40 8-12 Silica Sand 0.050" Slotted PVC </p>		100.0-140.0 ft. SANDSTONE; moderately hard, light blue-gray, seams of limestone. 127.0-135.0 ft. layer becomes hard. 140.0-157.0 ft. MUDSTONE; fresh, moderately hard, greenish gray.

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145 150 155	3940 3935 3930 3925				 <p style="text-align: center;">Slough</p>		
							Total Depth 157.0 ft.
160 165 170 175 180 185 190	3920 3915 3910 3905 3900 3895 3890						