# MONITORING WELL COMPLETION LOG GRN01-0582

**PROJECT** UMTRA GROUND WATER
**LOCATION** GREEN RIVER, UT
**SITE** GREEN RIVER
**WELL NUMBER** 0582

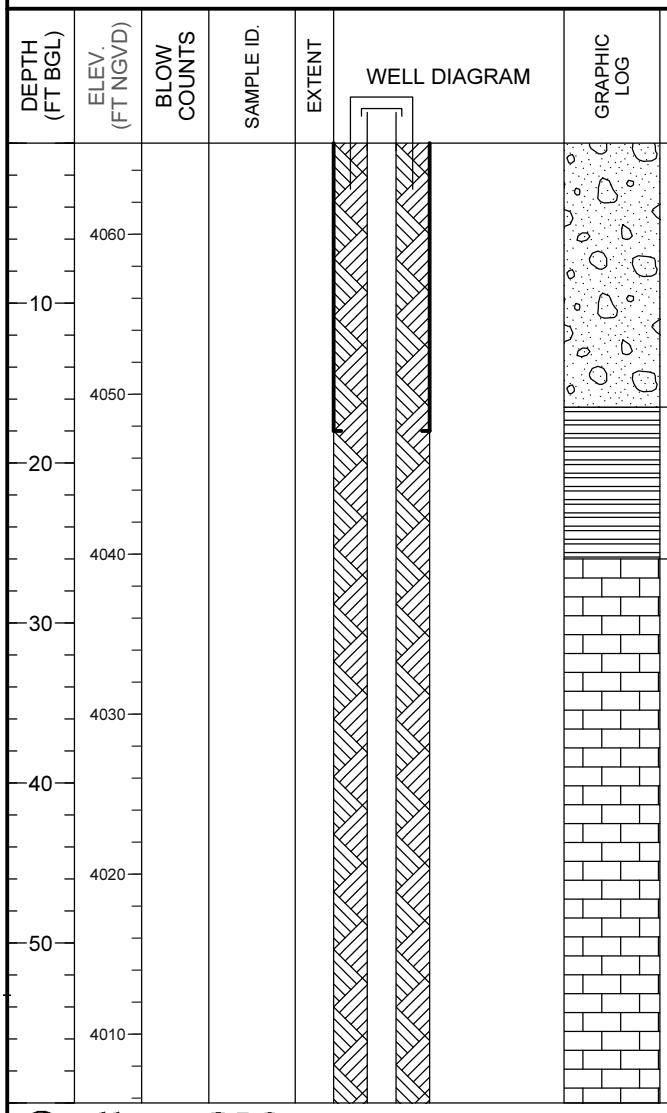
**NORTH COORD. (FT)** 238830.30
**EAST COORD. (FT)** 2385911.82
**HOLE DEPTH (FT)** 170.00
**WELL DEPTH (FT)** 168.50

**DATE DRILLED** 08/24/1986 to 09/07/1986
**SURFACE ELEV. ( FT NGVD)** 4065.70
**TOP OF CASING (FT)** 4067.00
**MEAS. PT. ELEV. (FT)** 4067.00
**SLOT SIZE (IN)** 0.050
**BIT SIZE(S) (IN)** 9.0 / 9.0

| | WELL INSTALLATION | INTERVAL (FT) | | |
|---|---|---|---|---|
| **SURFACE CASING:** | 8.75 in. Steel | -1.5 | to | 18.0 |
| **BLANK CASING:** | 4 in. PVC Sch 40 | -1.3 | to | 146.5 |
| **WELL SCREEN:** | 4 in. Slotted PVC | 146.5 | to | 166.5 |
| **SUMP/END CAP:** | 4 in. PVC Sch 40 | 166.5 | to | 168.5 |
| **SURFACE SEAL:** | | | | |
| **GROUT:** | Cement - Bentonite | 0.0 | to | 128.5 |
| **SEAL:** | Bentonite Pellets | 128.5 | to | 136.5 |
| **UPPER PACK:** | | | | |
| **LOWER PACK:** | 8-12 Silica Sand | 136.5 | to | 168.5 |

**DRILLING METHOD** AIR ROTARY -- TRI-CONE BIT
**SAMPLING METHOD** AUGER CUTTINGS
**DATE DEVELOPED** 09/10/1986
**WATER LEVEL (FT BTOC)** Flowing 09/10/1986
**LOGGED BY** Phyfe, L.
**REMARKS**

| DEPTH (FT BGL) | ELEV. (FT NGVD) | BLOW COUNTS | SAMPLE ID. | EXTENT | WELL DIAGRAM | GRAPHIC LOG | LITHOLOGIC DESCRIPTION |
|---|---|---|---|---|---|---|---|
| | | | | | | | 0-16.5 ft. ALLUVIUM: GRAVELLY SAND; fine grained, fine gravels, light brown. |
| | | | | | | | 16.5-170.0 ft. CEDAR MOUNTAIN FORMATION:<br>16.5-26.0 ft. SHALE: sandy, some mudstone stringers, light brown to gray. |
| | | | | | | | 26.0-116.0 ft. LIMESTONE AND SHALE; limestone is light gray, shale is fissile, light blue with high plasticity, some clay seams. |



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*Continued from Previous Page*

| DEPTH (FT BGL) | ELEV. (FT NGVD) | BLOW COUNTS | SAMPLE ID. | EXTENT | WELL DIAGRAM | GRAPHIC LOG | LITHOLOGIC DESCRIPTION |
|---|---|---|---|---|---|---|---|
| | 4000 | | | | Bentonite Grout | | |
| 70 | | | | | | | |
| | 3990 | | | | | | |
| 80 | | | | | | | |
| | 3980 | | | | | | |
| 90 | | | | | | | |
| | 3970 | | | | | | |
| 100 | | | | | | | |
| | 3960 | | | | | | |
| 110 | | | | | | | |
| | 3950 | | | | | | 116.0-148.0 ft. SHALE; some mudstone interbeds, fissile, indurated, purple to gray. |
| 120 | | | | | | | |
| | 3940 | | | | | | |
| 130 | | | | | Bentonite Pellets | | |
| | 3930 | | | | | | |

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*Continued from Previous Page*

| DEPTH (FT BGL) | ELEV. (FT NGVD) | BLOW COUNTS | SAMPLE ID. | EXTENT | WELL DIAGRAM | GRAPHIC LOG | LITHOLOGIC DESCRIPTION |
|---|---|---|---|---|---|---|---|
| 140 | | | | | 8-12 Silica Sand; PVC Sch 40 | | |
| | 3920 | | | | | | |
| 150 | | | | | | | 148.0-169.0 ft. SANDSTONE; fine to medium grained, well sorted, light gray to light blue. |
| | 3910 | | | | 0.050" Slotted PVC | | |
| 160 | | | | | | | |
| | 3900 | | | | | | |
| 170 | | | | | Slough | | 169.0-170.0 ft. SHALE; light gray, high plasticity clay seams. Total Depth 170.0 ft. |
| | 3890 | | | | | | |
| 180 | | | | | | | |
| | 3880 | | | | | | |
| 190 | | | | | | | |
| | 3870 | | | | | | |
| 200 | | | | | | | |
| | 3860 | | | | | | |
| 210 | | | | | | | |