



HUMBOLDT DRILLING & PUMP CO., INC.

P.O. BOX 592  
4675 W. WINNEMUCCA BLVD.  
WINNEMUCCA, NEVADA, 89445  
(702) 623-5259

MONITOR LOG

#MW-3

GIVE DETAILED PROCEDURE:

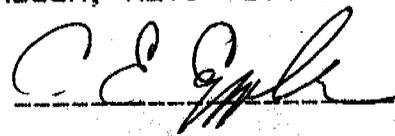
Monitoring well MW-3 was installed as an exploration hole drilled by Stephensen Exploration, using 5 1/2" bit, REV. CIRC.

This well was installed with 1.5 inch sch. 80 screw jointed PVC casing. A ten foot section of 0.020 factory slotted screen was lowered to the bottom of the well with two stainless steel centralizers including sch.80 blank above.

A medium silica sand filter pack envelope was pumped along side the screened interval and app. 5 feet above the screen using a 25 hp grout pump. A 2 foot fine grained sand filter was pumped into place above the filter pack. A 5 to 10 foot grout seal was pumped above the sand pack. After the seal was properly hydrated (2 to 3 hrs.) the annulus of the well was filled with an 80 to 100 viscosity mixture of high yield bentonite mud. The mud was pumped from the bottom to the top of the well to assure proper filling. A twenty foot plug of cement was installed at the top of the well with a locking well cap. After installation the well was developed by air-lifting for a period of 2 hrs. A water quality was collected at the end of the air-lifting packed in ice and sent for analysis. Once the well recovered to static water level a falling head permeability test was performed and the static water level was 220.8 feet from surface.  
ESTIMATED YIELD 2 to 3 gpm.

2101

NAME\_HUMBOLDT DRILLING AND PUMP\_ LIC. NO. 795\_\_\_\_\_  
ADDRESS\_P.O. BOX 590\_\_\_\_\_ CONTRACTORS NO. 015234  
\_WINNEMUCCA, NEV. 89445-0590\_\_\_\_\_

SIGNED  on site driller or contractor