

WATER BUDGET

WELL NAME: BLM-13-300

DATE	TYPE H2O INTRODUCED (SOAP/MUD/FRESH)	VOLUME (GALLONS)
8/16/88	Fresh Vadose zone	250
8/17/88	Fresh Vadose zone	50
8/26/88	Quik-foam/water Vadose zone	1500
8/27/88	Quik-foam/water Quik-foam/water Vadose zone Saturated zone	450 50
Total		2300 gallons

Volume of fluid and cuttings in mudpit:

$$\begin{aligned}
 8.7' \times 34' \times 1' &= 295.8 \text{ ft}^3 \\
 - 158.1 \text{ ft}^3 &\text{ (volume of cuttings)} \\
 \hline
 137.7 \text{ ft}^3 &= 1030 \text{ gallons recirculated during drilling}
 \end{aligned}$$