

SBW 37

U. S. DEPT. OF THE INTERIOR - GEOLOGICAL SURVEY
Statement of Water Analysis

Source Dewatering well No. 7 P/C: Discharge pipe
 Location Shirley Basin, Carbon County, Wyoming
1/4 1/4 1/4 Sec 28 T 28N R 70W Field Office No. SBW-37

Date Col. 10/4/61 Time _____
 Col. By R. H. Hargman
 Field data: Temp. ($^{\circ}$ F) 48 pH 8.0
 Sp. Cond. (μ mhos) _____ Eh _____
 Appearance Clear

Well Type _____ Use Dom.
 Depth (ft.) _____ Cased to _____
 Diam. (in.) _____ Date drilled _____
 Water level (ft.) 360 below surface
 Discharge 400 GPM pump est.
 W. B. F. Wind-White River fms.

Owner Utah Mining Corp.

Chemical components

ppm

ppm

Silica (SiO_2)	11	
Aluminum (Al)	.06	
Iron (Fe)	.08	
Manganese (Mn)	.00	
Calcium (Ca)	21	1.05
Magnesium (Mg)	3.9	.32
Strontium (Sr)		
Sodium (Na)	133	5.79
Potassium (K)	3.6	.09
Lithium (Li)	.0	

Cations (ppm) 7.25

Bicarbonate (HCO_3)	260	4.26
Carbonate (CO_3)	0.0	
Sulfate (SO_4)	123	2.56
Chloride (Cl)	10	.28
Fluoride (F)	.1	.01
Nitrate (NO_3)	.5	.01
Phosphate (PO_4)	.16	
Selenium (Se)	.00	
Boron (B)	.22	

Anions (ppm) 7.12

Physical characteristics
and computed values

Dissolved Solids (ppm)	
Res. on evap. at 180°C	403
Calculated	435
Suspended solids (ppm)	
Hardness as CaCO_3 (ppm)	
Total	69
Non-carbonate	0
Specific conductance	
(μ mhos at 25°C)	667
pH	8.0
Color	

Radiochemical data

Alpha activity (pc/l)	
as of	
Beta activity (pc/l)	
as of 12/19/61	29 \pm 4
Radium (Ra) (pc/l)	7.7 \pm 1.5
Uranium (U) ($\mu\text{g/l}$)	25 \pm 3

Lab. No. 4626 Analysts CH. PER Date Checked _____