

WATER ANALYSIS REPORT

UIC PERMIT NUMBER: _____

API NUMBER: _____

OPERATOR _____

DATE SAMPLED _____

OPERATOR CODE _____

DATE ANALYZED _____

ATTENTION: _____

LEGAL LOCATION: _____ QTR _____ QTR

WELL NUMBER _____

SEC. _____ TWP _____ RGE _____

COUNTY _____

COUNTY CODE _____

FIELD _____

FIELD CODE _____

RESERVOIR _____

RESERVOIR CODE _____

OTHER DATA: _____

Cations	mg/l	Factor	meq/l	Anions	mg/l	Factor	meq/l
Sodium	_____	0.0435	0	Sulfate	_____	0.0208	0
Potassium	_____	0.0256	0	Chloride	_____	0.0282	0
* Lithium	_____	0.1441	0	Carbonate	_____	0.0333	0
Calcium	_____	0.0499	0	Bicarbonate	_____	0.0164	0
Magnesium	_____	0.0822	0	*Hydroxide	_____	0.0588	0
Iron	_____	0.0537	0	Hydrogen sulfide			
Total Cations	_____		_____	Total Anions			_____
				Less Cations			_____
Sodium			_____	Balance			_____
				Specific resistance @ 68° F			
Total dissolved solids, mg/l			_____	Observed			_____
NaCl equivalent, mg/l			_____	Calculated			_____
Observed pH			_____				

NOTE: mg/l = milligrams per liter
 meq/l = milligram equivalent per liter

milligram equivalent per liter
 60 40 20 0 20 40 60

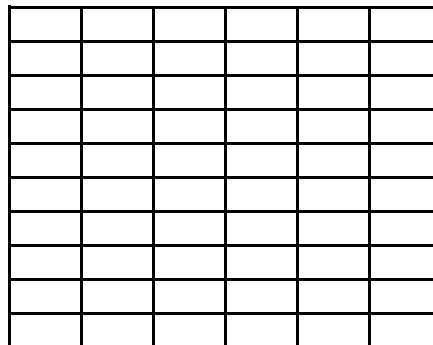
Sodium chloride equivalent =
 by Dunlap & Hawthorne
 calculations from components

0.00 Na

0.00 Ca

0.00 Mg

0.00 Fe



Cl 0.00

HCO³ 0.00

SO⁴ 0.00

CO⁴ 0.00

* WATER ANALYSIS PATTERN
 Scale
 meq per unit

(Na value in above graph includes Na and K)

REMARKS & CONCLUSIONS _____

* Optional

Sodium Absorption Ratio= SAR= $\text{Na}^+ / \sqrt{\text{Ca}^{++} \text{ plus } \text{Mg}^+} / 2$

SAR= #DIV/0!

Exchangeable Sodium Percentage= ESP= $100 * (-.0126 + .01475 * \text{SAR}) / (1 + (-.0126 + .01475 * \text{SAR}))$

ESP= #DIV/0!

