

BJ SERVICES

WATER ANALYSIS

Date: 5/12/94
 Company: Chi Energy
 Well Name: Winchester #1
 County: Eddy
 State: New Mexico
 Station: Hobbs

Report #: 14W-023
 Sample #: 5 of 5
 Formation: Bone Springs
 Depth: 7000
 H₂O Type: Wellhead
 Requested By: John Wolf

pH: 6.61
 Temperature (°F): 60
 Specific Gravity: 1.100

Sulfide: Absent
 Reducing Agents: Absent
 S.G. 60°F: 1.100

CATIONS	mg/l	me/l	ppm
Sodium (calc)	64704	2813	58822
Calcium	2600	130	2364
Magnesium	1020	85	1020
Iron (Fe++)	36.00	1.29	32.73
Iron (Fe+++)	14.00	0.50	12.73

ANIONS	mg/l	me/l	ppm
Chloride	107000	3014	97273
Sulfate	367	8	334
Bicarbonate	464	8	422
Phosphate	0.0		0.0
Total Dissolved Solids	176205		160186
Total Hardness as CaCO ₃	10750		9773

Calcium Carbonate Scale: PROBABLE

Calcium Sulfate Scale: REMOTE

Equivalent NaCl Concentration: 160476

Analyzed by: G. Benton

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