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ANALYSIS #: HB010069

GENERAL INFORMATION	
OPERATOR: HALLWOOD PETROLEUM	DEPTH: 0
WELL: Bass Federal #2	DATE SAMPLED: 4/7/94
FIELD: Hat Mesa Delaware	DATE RECEIVED: 4/7/94
FORMATION: Delaware 7,900-8,110'	SUBMITTED BY: BILL CAPERTON
COUNTY: Lea	WORKED BY: MIKE HILL
STATE: NM	PHONE #: 505-392-5556

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SAMPLE DESCRIPTION: HALLWOOD WATER SAMPLE WHICH CONTAINS A TRACE OF HYDROCARBON

PHYSICAL AND CHEMICAL DETERMINATIONS			
SPECIFIC GRAVITY:	1.185 @ 75 °F	PH:	5.35
RESISTIVITY (CALC.):	.035	OHMS @ 75 °F	
IRON (FE++):	3 PPM	SULFATE:	169 PPM
CALCIUM:	30380 PPM	TOTAL HARDNESS:	79325 PPM
MAGNESIUM:	820 PPM	BICARBONATE:	32 PPM
CHLORIDE:	178863 PPM	SODIUM CHLORIDE (CALC)	294229 PPM
SODIUM+POTASS:	79705 PPM	TOT. DISSOLVED SOLIDS:	338143 PPM
KCL	:NONE	H2S	:NONE

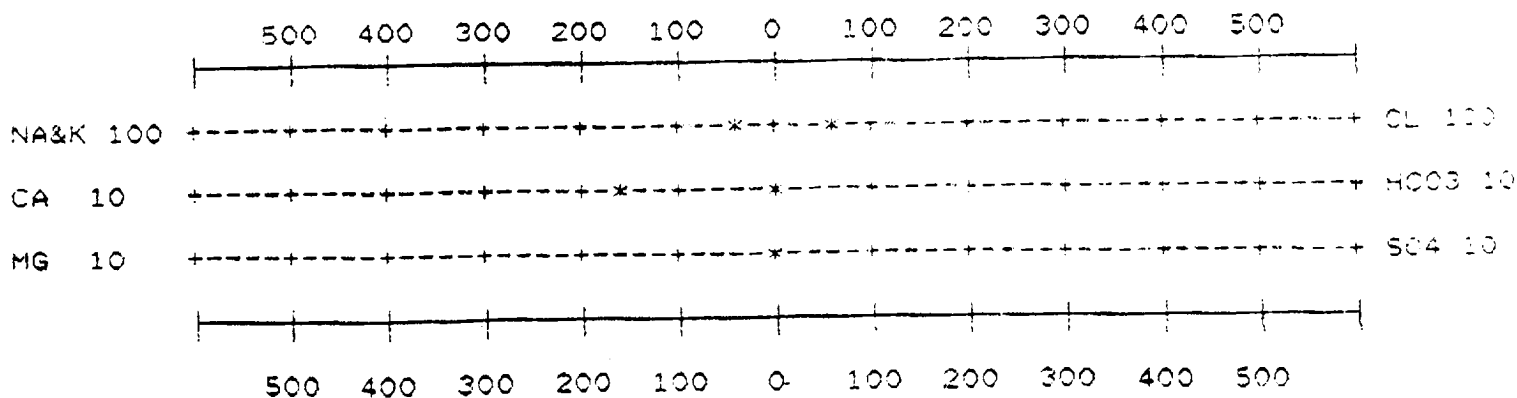
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KCL	:NONE	H2S	:NONE

REMARKS: THIS IS PROBABLY FORMATION WATER.

STIFF TYPE PLOT (IN REQ/L)

500 400 300 200 100 0 100 200 300 400 500

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MIKE HILL