

RESEARCH CENTER
WATER ANALYSIST.S. or File No. _____
Lab. No. T-24790
Field No. _____
API Well No. _____

LOCATION SAMPLED: Division Houston District _____ Area Levelland
Operator (Plant) Amoco Well No. 15 Lease Lovington Abo
State (Province) New Mexico County (Parish) _____
Twp. 17 S Rng. 36 E Sec. 1 Quarter (Lsd.) _____ Other (Meridian) _____
Sample collected from wellhead Date 9-1-78 Field Well (☒) Field name _____
Interval sampled _____ to _____ Interval name Abo Sample collected by _____
Recovery _____
Form 97 transmitted by V. E. Staley Date 9-8-78 Authorized by _____

ORGANIC CONSTITUENTS in mg/l

BOTTOM MIDDLE TOP MUD

	BOTTOM	MIDDLE	TOP	MUD
Benzene				
Toluene				
HC Gases				

DESCRIPTION OF SAMPLE

Sample used for detailed analyses _____
Date received _____
Condition as received _____
Color _____
Odor _____
Suspended solids _____
Bottom sediment _____
Oil or fluorescence _____

QUALITY OF SAMPLE

	BOTTOM	MIDDLE	TOP
Chloride			
ion mg/l:			

COMMENTS:

CONVENTIONAL MAJOR ION ANALYSIS

		Major Ions mg/l	% of Total Major Ions	Reaction Value meq/l	% of Total Reaction Value
CATIONS	Sodium Na ⁺	14,395	31.70	626.17	40.71
	Calcium Ca ⁺⁺	2,040	4.49	101.80	6.62
	Magnesium Mg ⁺⁺	500	1.10	41.10	2.67
	Potassium K ⁺				
ANIONS	Chloride Cl ⁻	24,600	54.18	693.72	45.10
	Bicarbonate HCO ₃ ⁻	1,170	2.58	19.19	1.25
	Sulfate SO ₄ ⁻	2,700	5.95	56.16	3.65
	Carbonate CO ₃ ⁻	0	0	0	0
TOTAL		45,405			

Total solids by evaporation 45,740 mg/l
NaCl resistivity equivalent (Dunlap) 53,599 mg/l
Resistivity .147 ohm-meters at 77 °F
pH 7.1 Specific gravity 1.034 at 75 °F
Ryznar stability index (2pHs-pH) _____ at _____ °F

OTHER IONS AND DISSOLVED SOLIDS

CATIONS	mg/l	ANIONS	mg/l	OTHERS	mg/l

REMARKS AND CONCLUSIONS:

RECEIVED HOBBBS DISTRICT	
OCT 5 1978	
POS	
DAS	
DE	<u>15</u>
AF	
DS	
SE	
AS	
2 CMG	
ML	<u>102</u>
23	File

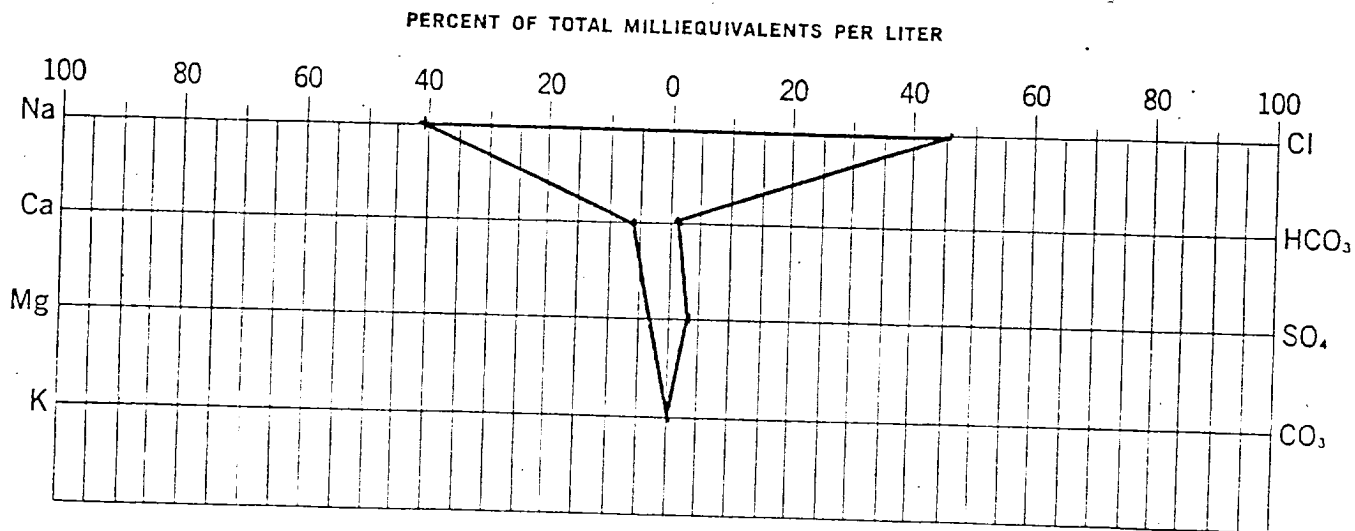
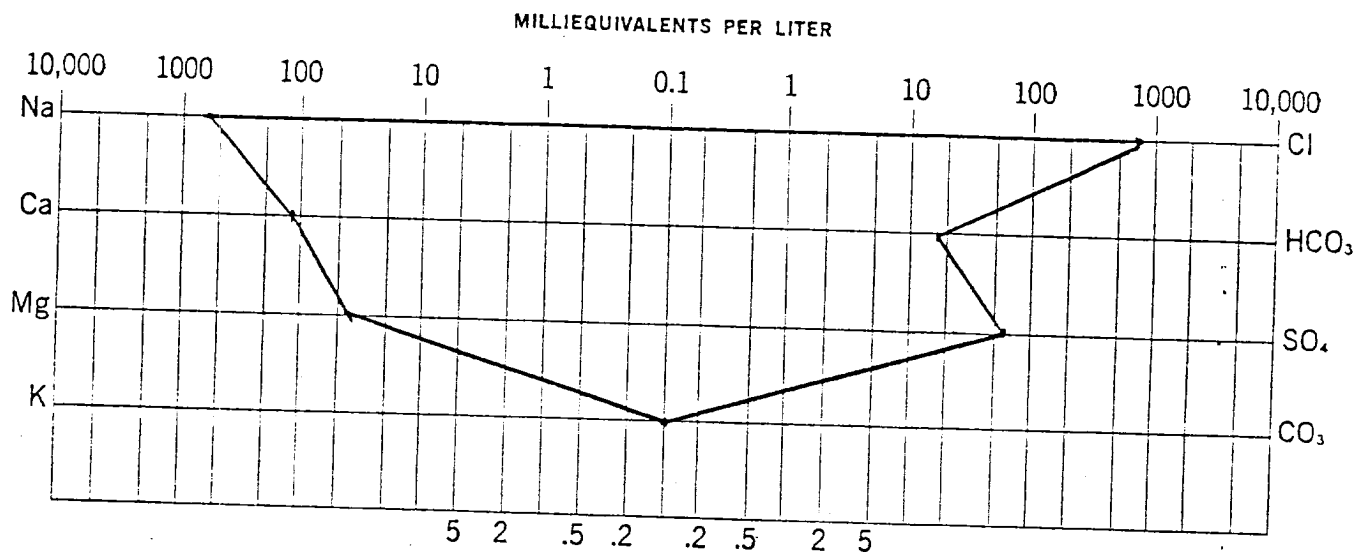
CC: W. V. Grisham
A. R. Reed
A. H. Green
G. W. Schmidt
David Boatwright

Analyst

Bruce BarnesDate 10-2-78

Water charts on back ()

WATER ANALYSIS PATTERNS



RECEIVED

JUN 24 1980

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