

WA #21

PAN AMERICAN PETROLEUM COMPANY

RESEARCH CENTER
WATER ANALYSIS

36-32-11 W-20,234
Lab. No.

Field No. 2

LOCATION SAMPLED: Division Fort Worth District Area Liberal
Operator (Plant) G. V. Coleman Well No. 1 Lease Unknown
State (Province) Kansas County (Parish) Barber
Twp. 32S Rng. 11W Sec. 36 Quarter (Lsd.) Other (Meridian)
1300' NW of Pan American's Coleman No. 1 P&A Wildcat () Field Well (X)
Field name Rhodes Northeast Sample used for detailed analyses
Sample collected from Wellhead Sample collected by J. W. Tribble Date 10/26/70
Interval sampled to Interval name
Recovery

Form 97 transmitted by E. C. Woodall Date 10/27/70 Authorized by

ORGANIC CONSTITUENTS in mg/l

	BOTTOM	MIDDLE	TOP	MUD
Benzene				
Toluene				
HC Gases				

DESCRIPTION OF SAMPLE

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 ⁺	393	4.79	17.09	5.55
	Calcium Ca ⁺⁺	1,320	16.09	65.87	21.39
	Magnesium Mg ⁺⁺	864	10.53	71.02	23.06
	Potassium K ⁺				
ANIONS	Chloride Cl ⁻	5,180	63.12	146.08	47.44
	Bicarbonate HCO ₃ ⁻	329	4.01	5.40	1.75
	Sulfate SO ₄ ⁻⁻	120	1.46	2.50	.81
	Carbonate CO ₃ ⁻⁻	0	0	0	0
TOTAL		8,206			

Total solids by evaporation 7,940 mg/l
NaCl resistivity equivalent (Dunlap) 8,704 mg/l
Resistivity .680 ohm-meters at 77 °F
pH 7.0 Specific gravity 1.007 at 69 °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:

COPY

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CC: J. L. Hoyt, Jr.
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Analyst J. J. Elliott Date 11/11/70
J. J. Elliott

Water charts on back ()