

ARTESIA, NEW MEXICO
CONTINENTAL OIL COMPANY

24



Reorder No. 912-1/3

PARK BRAND FOLDER
MEDIUM HEAVY WEIGHT

KE 0021204

bottom. Full equipment used during cleaning and of cleaning. Small holes found in bottom. Instr representative that new steel bottom could not be of sides sandblasted. It was agreed that new con protective equipment although tank had not been d intermittently for three days after cleaning pres might have been under floor. Concrete floor pour

Seven men were on concrete job and all worke

[REDACTED] the contractor, was in and out of tank bu short periods. [REDACTED] and [REDACTED] were in tank very short time. [REDACTED] was in tank a "considera in tank "part time," [REDACTED] was in one-half day a [REDACTED] was in essentially full time and worked ver

Illness in relationship to in-tank time is s

<u>Name</u>	<u>In Tank</u>	<u>Urine</u> <u>Pb</u> <u>Mg./L.</u>	<u>Blood</u> <u>Pb</u> <u>Mg./10</u>
[REDACTED]	very little		
[REDACTED]	"out most of time"		
[REDACTED]	"out most of time"		
[REDACTED]	"considerable time"	0.13	0.07
[REDACTED]	"probably half or more time"	0.80	0.05

KE 0021392

Discussion

All evidence would point to a very high concentration of lead in the atmosphere against which there was no defense.

Correlation between time in tank and illness for Nobles who had only a very mild intoxication in contrast to time of 1/2 day in tank. However, time in tank for Noble's findings which is consistent with more severe intoxication. Gibson's moderate illness is consistent with time in tank and blood and urine lead.

The entire picture is consistent with what would be expected in all of the circumstances.

Cause - Working in tank with no protective equipment. Lead vapors undoubtedly forced from beneath tank through concrete. Organic lead in side scale presumably as

10- 7-1963 LWS

KE 0021393

Factors responsible:

1. Tank steamed
2. Leaking bottom
3. No respiratory protection
4. Fatal illness produced by eight without mask.
5. Extremely high concentration of sludge.

11- 1-63 -

Lester

KE 0021394

Samples of urine and blood received from n
Continental Oil Company, (Dr. Schradin) A

Name	Urine		
	Analysis Number	Volume Ml.	Mg. Pb/L.
[REDACTED]	44A-6949	90	0.80
[REDACTED]			
[REDACTED]	44A-6947	100	0.80
[REDACTED]	44A-6945*	100	0.13

*Specific gravity not taken, but urine was colo