

D. H. MORMAN

NOV 21 1983

PLAINTIFF'S EXHIBIT

SH-1478

REPORT ON SERVICE NUMBER 9986
November 18, 1983

To: D. H. Morman
Shell Development Co.
Houston, TX

Analysis: The following samples were submitted for analysis:
Twenty-eight membrane filter samples and two blanks for
asbestos count.

Method: ASBESTOS (count)
The asbestos content of each filter sample was analyzed
following NIOSH procedure P&CAM 239. Wedges from each
filter were examined at 450 power using polarizing and
phase contrast microscopes. Birefringent fibers longer
than five (5) microns with a length-to-width ratio of
3:1 or more were counted as asbestos.

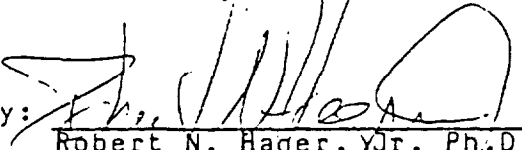
Results: Data is tabulated in Table 1 and 2 of this report.

Discussion: The OSHA permissible exposure limit (PEL) for asbestos
is 0.5 fibers/cc.

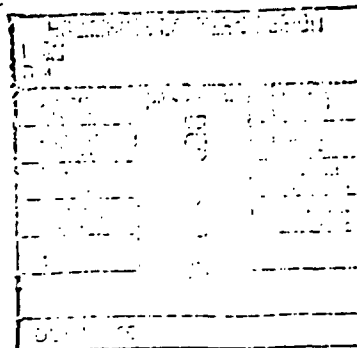
ND() indicates none of the substance was detected,
with a detection limit shown in the parentheses.

LT() indicates "less than" with a detection limit
for the analysis shown in the parentheses.

Laboratory data are filed and available upon request.

Submitted by: 
Robert N. Hager, Jr. Ph.D.
Laboratory Director

RNH/nl



LAM 028312

D. H. MORMAN

NOV 21 1983

SN9986
11/18/83

TABLE 2

Sample Number	Total Fibers (less blank)	Air Volume (liters)	Air Concentration (fibers/cc)
17 Rig 102083-9	6400	570	0.01
18 Rig 102083-8	3800	870	LT(0.01)
19 Rig 102083-7	9200	1400	LT(0.01)
20 Rig 102083-5	9700	1400	LT(0.01)
21 Rig 102083-6	13000	1400	LT(0.01)
22 Rig ²¹ 102083 -1	1300	1500	LT(0.01)
23 Rig 102083 -1	9200	1300	LT(0.01)
24 Rig 101983-2	ND(1300)	1300	ND(0.01)
25 Rig 101983-3	2500	710	LT(0.01)
26 Rig 101983-4	1300	770	LT(0.01)
27 Rig 102083-4	ND(1300)	680	ND(0.01)
28 Rig 102083-3	ND(1300)	720	ND(0.01)
29 Rig 102083-2	ND(1300)	680	ND(0.01)
30 Rig 102083-1	7000	720	LT(0.01)

LAM 028313

ABS-047203