

D. H. MORMAN

MAY 21 1984

REPORT ON SERVICE NUMBER 11344

May 16, 1984

IHL 29534-29550

29552, 29553

PLAINTIFF'S EXHIBIT

SH-1539

To: D. H. . Morman
Shell Development Co.
Denver, CO

Analysis: The following samples were submitted for analysis:
Eighteen 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:	Sample Number	Total Fibers	Air Vol. (liters)	Air Conc. (fibers/cc)
	Rig 040684-1	15000	1410	0.01
	Rig 040684-2	13000	1380	0.009
	Rig 040684-3	28000	1390	0.02
	Rig 040784-1	28000	1430	0.02
	Rig 040784-2	30000	1420	0.02
	Rig 040784-3	19000	1420	0.01
	Rig 040784-5	11000	1410	0.008
	Rig 040784-6	12000	1410	0.009
	Rig 040784-7	15000	1410	0.01
	Rig 040884-1	34000	1410	0.02

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Results: (cont.)	Sample Number	Total Fibers	Air Vol. (liters)	Air Conc. (fibers/cc)
	Rig 040884-2	14000	1410	0.01
	Rig 040884-3	LT(5100)	1410	LT(0.004)
	Rig 040984-1	14000	1440	0.01
	Rig 040984-2	18000	1440	0.01
	Rig 040984-3	11000	1440	0.008
	Rig 040984-4(5)	14000	1410	0.01
	Rig 040984-7	17000	1410	0.01
	Rig 040984-6	42000	1410	0.03

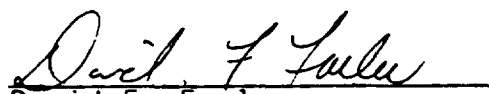
Discussion: The OSHA permissible exposure limit (PEL) for asbestos is 2 fibers/cc.

Sample RIG 040984-4 was not received, sample RIG 040984-5 was received but not listed in the data sheet.

LT() indicates "less than" with the lower limit of quantification shown in parentheses.

Laboratory data are filed and available upon request.

Submitted by:


David F. Farler
Laboratory Director

DFF/n1

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