

FILE NAME: Drilling Specialties (DRSP)

DATE: 1964 Apr 23

DOC#: DRSP006

DOCUMENT DESCRIPTION: Memo from F.J. Shell to H.H. Barrett

MEMORANDUM

PLAINTIFF'S EXHIBIT

DMA-1637

April 23, 1964

DIASEAL M For Canada

File: P-1-S-498-64D

To: H. B. Barrett

From: F. J. Shell

A patent on the mixture comprising DIASEAL M was applied for on December 31, 1962. This application was considered for foreign filing by the IN Committee in July 1963. At that time it was considered not to file in any foreign country. Mr. Perry Roberts could not find out why this decision was made. Since we are now interested in DIASEAL M in Canada, an application for filing in Canada will be prepared. As we plan to go into other areas, patent applications will be prepared for protection in these areas.

When the patent application was originally considered on July 19, 1963, it was considered for filing in desert areas such as Libya, Algeria, Spain, Saudi Arabia, France, Venezuela and Australia. Since we did not file in the conventional one year, these new filings will just be the same as any other filing.

Mr. Jean Louthan has indicated that there is considerable interest in DIASEAL M in Canada. One of the factors which would limit the widespread use of DIASEAL M in Canada is the present drive to use Canadian products wherein possible.

On this same subject Mr. Louthan has submitted a sample of diatomaceous earth from Gromite Diatom, Ltd. with offices in Calgary, Canada. It is a sample of DE from a deposit in British Columbia. The Gromite had a much higher bulk density than DIASEAL D. Blends of DIASEAL M were made from both DIASEAL D and Gromite. Fifty grams of the DIASEAL M was added to 350 ml of water and stirred for 10 minutes on the Multi-Mixer with the following results:

Gromite M

350 ml water, 1 g lime, 4 g FLOCEL[®], 45 g DE
Stirred 10 min MM

	Initial 600/300	3 min/600 rpm 600/300	6 min/600 rpm 600/300	Sinks/32"	Water Loss ml	minutes
DIASEAL D	60/53	40/35	38/33	30	255	1:45
Gromite	27/18	19/13	18/13	20	285	4:45

These results show that DIASEAL D is almost three times as effective as Gromite for making DIASEAL M. If sufficient Gromite were put into the mix to give equivalent viscosities, the water loss would undoubtedly be decreased which would favor DIASEAL D even more.

* A Trademark

ASB 088032

CDD 192949

DSC 17467