



Texaco USA
Eastern E&P Region
Offshore Producing

P O Box 81050
New Orleans LA 70161-1050

July 24, 1990

American Overseas Petroleum Ltd.
P. O. Box 237
Orchard Point Post Office
Singapore 9123

Attention: Mr. Muhammad Nasir

Dear Sir:

I have been told that you have requested information on a Fibrous material called Ultraseal. Here in the Gulf of Mexico we have had favorable success with this product. We have used Ultraseal in several different areas and have found the following applications favorable. They are:

1. Lost Circulation Material: Helped seal off sections of the hole that were losing partial mud returns.
2. Torque and Drag Reducer: Has reduced torque and drag in high angle holes across sand zones.
3. Sealing of Depleted Sands: While drilling depleted sands and having differential sticking problems Ultraseal helped seal those sands and prevent from sticking.
4. Running Casing in High Angle Holes: Ran casing after spotting Ultraseal across sand zones. Had no problems running casing in a 78 degree deviated hole and got full cement returns which had not been seen in other similar jobs.

If you have any further questions please contact myself or Darryl Boyce (Drilling Engineer), Eastern Division, New Orleans, Louisiana USA.

Yours very truly,

C. P. English
Exploration Area Manager

JDB:ltl

24 MARCH 1994



SANTA CRUZ, BOLIVIA

[REDACTED]

Chevron International Limited (Bolivia)
Calle Sevilla 3244
P.O. Box 2256
Santa Cruz, Bolivia

Phone 591-4013-531314
Fax 591-4013-521721

DEAR SIR,

THIS LETTER SERVES TO CONFIRM THAT WE USED ULTRA-SEAL ON OUR BOLIVIAN DRILLING PROJECT WITH MEASUREABLE SUCCESS. THE ABILITY TO DRILL WITH HIGH MUD WEIGHTS WITH EXPOSED LOW PRESSURE SANDS WAS A MAJOR CONSIDERATION IN OUR DRILLING PROGRAM.

WE EXPERIENCED SERIOUS MECHANICAL PROBLEMS WHICH REQUIRED THAT WE SET OUR 13-3/8" CASING STRING SUBSTANTIALLY HIGHER THAN DESIRED. CONSEQUENTLY, IT BECAME OUR PLAN TO PUSH THE 9-5/8" CASING STRING TO ITS ORIGINAL PLANNED DEPTH. TO DO THIS WE HAD TO DRILL THROUGH NUMEROUS LOW PRESSURE SANDS (8.9 PPG EQUIV) AND THEN INTO THE HIGH PRESSURED LOS MONOS SHALE.

RELYING ON PAST CASE HISTORIES, WE DETERMINED THAT WE COULD SUCCESSFULLY DRILL WITH UP TO A 2500 PSI DIFFERENTIAL ACROSS THE SANDS BY USING ULTRA-SEAL XP IN OUR DRILLING FLUID. UNFORTUNATELY, WE WERE NOT ABLE TO GET THE 9-5/8" CASING AS DEEP AS DESIGNED HOWEVER WE HAD REACHED A MUD WEIGHT OF 12.4 PPG. THIS EQUALLED A DIFFERENTIAL OF 1200 PSI AT THE SANDS. WE EXPERIENCED NO LOST RETURNS AND NO STICKING PROBLEMS.

THE ULTRA SEAL WAS MAINTAINED IN THE MUD SYSTEM AFTER SETTING 9-5/8" CASING AS A PRECAUTION WHILE DRILLING THE HIGH PRESSURED LOS MONOS. OUR FINAL MUD WEIGHT REACHED 17.7 PPG HOWEVER WE NEVER DRILLED ANY SANDS IN OR BELOW THE LOS MONOS.

WE FEEL THAT THE USE OF THE PRODUCT WAS JUSTIFIED AND IT PERFORMED AS EXPECTED. IT IS OUR JUDGEMENT THAT THE USE OF ULTRA-SEAL ALLOWED US TO GET THE 9-5/8" STRING SET THROUGH THE PRESSURE TRANSITION ZONE WITHOUT LOSSES OR STICKING PROBLEMS IN THE HIGHER EXPOSED SANDS. THE SUCCESSFUL USE OF YOUR PRODUCT LEAD TO THE SUCCESSFUL COMPLETION OF OUR WELL.

VILLA H. PICHE'
PROJECT DRILLING MANAGER

CASE HISTORY

ULTRA SEAL-XP and ULTRA SEAL-C®

LOCATION:

Gulf Coast



DELTA DRILLING COMPANY
Gulf Coast Drilling Division
Post Office Drawer 80429 • Lafayette, Louisiana 70598-0429
(318) 837-2043

January 8, 1993

M & D Industries of Louisiana
P. O. Box 30606
Lafayette, Louisiana 70593

Attention: Mr. Don Burts

Dear Sir:

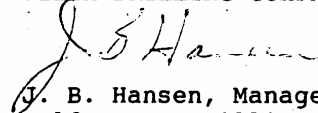
This is to apprise you of some of the results we have obtained by utilizing Ultra-seal products. These products have been proven beneficial in cases of mud seepage as well as cases of complete loss of returns. We have also noticed reduced torque and drag by utilizing sweeps of Ultra-seal XP in areas where differential sticking has been a problem.

Also, your service people have been most helpful in suggesting applications of these products.

We look forward to further successful applications of these products in the future.

Yours very truly,

DELTA DRILLING COMPANY


J. B. Hansen, Manager
Gulf Coast Drilling Division