



## PETROLEUM SERVICES

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October 1, 1997

PIONEER NATURAL RESOURCES  
P.O. Box 3178  
Midland, Texas 79702

File No: 57181-17747  
Subject: Drilled Sidewall Analysis  
Lusk Deep Unit "A" No. 22  
West Lusk Field  
Lea County, New Mexico

Gentlemen:

Sidewall Core Analysis was made on 17 drilled sidewall core samples received from Halliburton.

Samples were photographed under both ultraviolet and natural light.

Gas expansion porosity and grain density were determined using Boyle's Law.

Gas detection was measured using a "Hot Wire Gas Detector" on gas in the sealed containers.

Air permeability was measured horizontally on drilled sidewalls.

Descriptions and fluorescence were visually determined microscopically.

The samples will be returned to client.

We trust these data will be useful in the evaluation of your property and thank you for the opportunity of serving you.

Very truly yours,  
CORE LABORATORIES, INC.

A handwritten signature in cursive script, appearing to read "John Sebastian".

John Sebastian  
Laboratory Supervisor

JS/ym

