



**SCAL, Inc.**

**SPECIAL CORE ANALYSIS LABORATORIES**

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May 25, 2001

Mr. Pat Gordon

Southwestern Energy  
2350 N. Sam Houston Pkwy E.  
Suite 300  
Houston, Texas 77032

Reference:

Drilled Sidewall Core Analysis  
File: 01869  
Lonesome Dove "25" Fed. Com. #  
Eddy County, New Mexico

Dear Mr. Gordon:

Please find enclosed the final core analysis report for the rotary sidewall core samples.

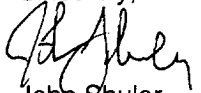
The following procedures were used:


The samples containers were opened and a gas detector was used to determine the presence and relative amount of flammable gas. The gas measurement of 500+ represents where the gas detector filament becomes saturated. The ends of the sample were trimmed and UV and Natural light photographs were taken. A Dean-Stark extraction was performed to remove pore water. The remaining oil was extracted using CO2 core cleaner. A material balance was performed to determine the oil saturation. After drying, the porosity and air permeability (@ 300 psi confining pressure) were measured.


It was a pleasure performing these analysis for you. If you have any further questions please feel free to contact our laboratory.

Thank you for using SCAL, Inc.

Sincerely,

  
John Shuler  
Lab Supervisor

  
Landon Turnbow  
Core Analyst

  
Anish Kumar Ph.D.  
Geologic Services Manager