

PHILLIPS PETROLEUM COMPANY

LAMBIRTH (A) NO. 3

PETERSON FUSSELMAN SOUTH FIELD

ROOSEVELT COUNTY, NEW MEXICO

CORE LABORATORIES, INC.

LAB

June 5, 1979

PHILLIPS PETROLEUM COMPANY  
4001 Penbrook  
Odessa, Texas 79762

File : 3202-11139  
Subject: Core Analysis  
Lambirth (A) No. 3  
Peterson Fusselman South Field  
Roosevelt County, New Mexico

Gentlemen:

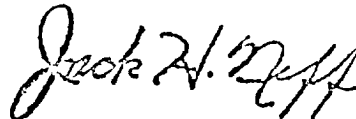
The subject well was cored using diamond coring equipment and salt gel to obtain 4¼ inch diameter cores from 7660 to 7710 feet and from 7770 to 7824 feet from the Fusselman formation.

Core analysis data is presented in tabular and graphical form for your convenience. A procedural page is also included with other pertinent data.

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.



Jack H. Neff  
Laboratory Manager

JHN/jdt/ks

PHILLIPS PETROLEUM COMPANY  
Lambirth (A) No. 3  
File: 3202-11139  
Procedural Page

The cores were preserved at the wellsite in a CO<sub>2</sub> atmosphere and transported to Midland by Core Laboratories, Inc. personnel.

A Core Gamma Log was recorded for downhole E-log correlation.

Core analysis was made from intervals requested on whole core diameter samples.

Fluid removal and fluid saturations were determined using controlled temperature vacuum retort techniques.

Porosity was determined using whole core summation of fluids.

Air permeability was measured in two horizontal directions in a Hassler sleeve.

The core was boxed after the analysis and sent via Merchants Motor Freight to Phillips Petroleum Company in Houston.

CORE LABORATORIES, INC.  
*Petroleum Reservoir Engineering*  
DALLAS, TEXAS

CORE ANALYSIS REPORT

FOR

PHILLIPS PETROLEUM CO.

LAMBIRTH (A) NO. 3  
PETERSON FUSSELMAN SOUTH FIELD  
ROOSEVELT COUNTY, NEW MEXICO

**CORE LABORATORIES, INC.**  
*Petroleum Reservoir Engineering*

PAGE 1

DALLAS, TEXAS

PHILLIPS PETROLEUM CO.	DATE	: 5-25-79	FILE NO	: 3202-11179
LAMBIRTH (A) NO. 3	FORMATION	: FUSSELMAN	ANALYSTS	: BASS
PETERSON FUSSELMAN SOUTH FIELD	DRLG. FLUID	: SALT GEL	ELEVATION	: 4424' OIL
ROOSEVELT COUNTY, NEW MEXICO	LOCATION	: 760' FSL & 1980' FWL, SEC. 31, T-5-S, R-33-E		

WHOLE CORE ANALYSIS

SAMPLE NUMBER	DEPTH	PERM. TO AIR (MD) MAXIMUM	90 DEG	CUT	POR. FLD	FLUID SATS. OIL	WTR	DESCRIPTION
CORE NO. 1 7660.0-7710.0 CUT 50' REC 50'								
	7660.0-10.0							CONG, SH MATRIX, FOSS, DNS
	7710.0-70.0							DRILLED
CORE NO. 2 7770.0-7819.0 CUT 49' REC 47'								
	7770.0-02.0							LM, SL/SHY, FOSS, DNS
	7802.0-03.0							DOL, SL/SHY, DNS
1	7803.0-04.0	<0.1	<0.1	4.3	36.7	29.1		DOL, LMY, SL/F, STY
2	7804.0-05.0	<0.1	<0.1	2.0	26.5	50.0		DOL, SL/F, STY
	7805.0-07.0							DOL, SL/SHY, DNS
3	7807.0-08.0	<0.1	<0.1	2.7	30.3	30.3		DOL, SL/F, STY
4	7808.0-09.0	<0.1	<0.1	2.4	15.0	50.8		DOL, SL/F, STY
5	7809.0-10.0	<0.1	*	12.9	18.6	44.9		DOL, SHY, SL/F, STY
6	7810.0-11.0	<0.1	*	8.5	22.3	33.9		DOL, SL/F
	7811.0-17.0							LM, SL/SHY, DNS
	7817.0-19.0							LOST CORE
	7819.0-20.0							NOT SUBMITTED FOR ANALYSIS
CORE NO. 3 7820.0-7824.0 CUT 4' REC 4'								
	7820.0-24.0							CHT, CONG, LM MATRIX, DNS

\* INDICATES PLUG PERM

DISTRIBUTION OF FINAL REPORTS

5 Copies

Mr. W.J. Mueller  
PHILLIPS PETROLEUM COMPANY  
4001 Penbrook  
Odessa, Texas 79762