

8-65-71W

CORE ANALYSIS REPORT

FOR

A. SCOTT RITCHIE
CARL BOYS "A"
GRAHAM COUNTY, KANSAS

CORE LABORATORIES, INC.
Petroleum Reservoir Engineering
OKLAHOMA CITY, OKLAHOMA

August 24, 1984

REPLY TO
SUITE 133
400 SOUTH VERMONT
OKLAHOMA CITY, OK
73108

A. Scott Ritchie
Suite 950, 125 North Market
Wichita, Kansas 67202

Attn: Mr. Galen Babcock

Subject: Core Analysis Data
Carl Boys "A"
Graham County, Kansas
CLI File 3402-12117

Gentlemen:

Cores taken in the subject well in the Topeka formation were received at the Oklahoma City laboratory for special analytical testing described on the Procedure Page.

The accompanying Coregraph presents the Surface Core-Gamma Log and binomially averaged core analysis data in graphical form to aid correlation with downhole electrical surveys.

Tabular presentation of the measured physical properties may be found on page one of this report.

It is a pleasure to have this opportunity of serving you.

Very truly yours,

CORE LABORATORIES, INC.

J. Michael Edwards

J. Michael Edwards
District Manager

JME:ja

10 cc - Addressee

A. Scott Ritchie
Carl Boys "A"
CLI File 3402-12117

Procedure Page

Handling and Analytical Procedures

Diamond coring equipment and water base mud were used to obtain 4.0 inch diameter cores between 3,370.0 and 3,407.0 feet.

The cores were preserved at the well site in a CO₂ atmosphere by CLI personnel.

The cores were transported to Oklahoma City by CLI personnel.

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

Core analysis was made in the intervals requested on right cylinder full diameter samples.

Fluid removal was accomplished using vacuum retorts.

Porosity was determined by density balance method.

Air permeability in two horizontal directions was measured without Klinkenberg correction.

Cores were picked up at the Oklahoma City laboratory by a client representative.

CORE LABORATORIES, INC.
Petroleum Reservoir Engineering
 DALLAS, TEXAS

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A. SCOTT RITCHIE
 CARL BOYS "A"
 WILDCAT
 GRAHAM COUNTY, KANSAS

DATE: 8-23-84
 FORMATION: TOPEKA
 DRLG. FLUID: WATER BASE MUD
 LOCATION: 8-65-2100

FILE NO: 3402-12117
 ANALYST: EDWARDS
 LABORATORY: OKLAHOMA CITY

FULL DIAMETER ANALYSIS

SMP. NO.	DEPTH FEET	PERM. TO AIR MD.		POROSITY PERCENT	FLUID SATS.		GRAIN DEN.	DESCRIPTION
		MAXIMUM	90 DEG.		OIL	WATER		
1	3370.0-72.0	0.11	0.07	6.4	8.2	79.4	2.76	LM,SHY
	3372.0-73.0							SH,LMY
	3373.0-75.0							SH
	3375.0-80.0							LM,SHY
	3380.0-81.0							LM,SLTY,SL/DOL,SH LAM
	3381.0-83.0							LM,SHY
LOST CORE								
2	3383.0-3386.0	0.05	0.02	3.0	0.0	70.1	2.72	LM,SL/SHY
	3386.0-90.0							LM,SLTY,SL/DOL,SH LAM,
	3390.0-91.0							STY,VF
3	3391.0-95.0	1.96	0.78	6.1	0.0	71.6	2.71	LM,SL/SHY
	3395.0-98.0							SH
	3398.0-99.0							LM,SHY
	3399.0-0.0							LM,SLTY,SL/DOL,STY,VF
	3400.0-7.0							LM,SL/SHY

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

COMPANY A. SCOTT RITCHIE FILE NO. 3482-12117
WELL CARL BOYS "A" DATE 8-23-84
FIELD WILDCAT FORMATION TOPEKA ELEV. _____
COUNTY GRAHAM STATE KANSAS DRLG. FLD. WATER BASE MUD CORES _____
LOCATION _____

CORRELATION COREGRAPH

These analyses, opinions or interpretations are based on observations and material supplied by the client to whom, and for whose exclusive and confidential use, this report is made. The interpretations or opinions expressed represent the best judgment of Core Laboratories, Inc., (all errors or omissions excepted); but Core Laboratories, Inc., and its officers and employees, assume no responsibility and make no warranty or representations as to the productivity, proper operation, or profitability of any oil, gas or other mineral well or sand in connection with which such report is used or relied upon.

VERTICAL SCALE: 5" = 100'

Total Water _____

PERCENT PORE SPACE

100 80 60 40 20 0

Oil Saturation _____

PERCENT PORE SPACE

0 20 40 60 80 100

Gamma Ray

RADIATION INCREASE →

Permeability _____

MILLIDARCIES

1000

100

10

1

Depth
Feet

Porosity _____

PERCENT

30

20

10

0

3400

3450